



**Financial products Markup Language**

**FpML® Financial product Markup Language**

**Trial Recommendation 09 June 2008**

## ***Version: 4.4***

### **This Version:**

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### **Previous Version:**

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### **Errata For This Version:**

<http://www.fpml.org/spec/fpml-4-4-7-tr-1/html/fpml-4-4-errata.html>

### **Document built**

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# Table Of Contents

|      |   |     |
|------|---|-----|
| 1    | Index of All Components                       | 5   |
| 1.1  | Index of All Components - Global Elements     | 5   |
| 1.2  | Index of All Components - Local Elements      | 7   |
| 1.3  | Index of All Components - Complex Types       | 48  |
| 2    | Base Financial Types                          | 62  |
| 2.1  | Base Financial Types - Global Elements        | 62  |
| 2.2  | Base Financial Types - Local Elements         | 63  |
| 2.3  | Base Financial Types - Complex Types          | 68  |
| 3    | Dates and Times                               | 70  |
| 3.1  | Dates and Times - Global Elements             | 70  |
| 3.2  | Dates and Times - Local Elements              | 71  |
| 3.3  | Dates and Times - Complex Types               | 81  |
| 4    | Entities and Reference Data                   | 84  |
| 4.1  | Entities and Reference Data - Global Elements | 84  |
| 4.2  | Entities and Reference Data - Local Elements  | 85  |
| 4.3  | Entities and Reference Data - Complex Types   | 91  |
| 5    | Documentation and Legal                       | 92  |
| 5.1  | Documentation and Legal - Global Elements     | 92  |
| 5.2  | Documentation and Legal - Local Elements      | 93  |
| 5.3  | Documentation and Legal - Complex Types       | 95  |
| 6    | Settlement                                    | 97  |
| 6.1  | Settlement - Global Elements                  | 97  |
| 6.2  | Settlement - Local Elements                   | 98  |
| 6.3  | Settlement - Complex Types                    | 103 |
| 7    | Valuation                                     | 105 |
| 7.1  | Valuation - Global Elements                   | 105 |
| 7.2  | Valuation - Local Elements                    | 106 |
| 7.3  | Valuation - Complex Types                     | 108 |
| 8    | References                                    | 109 |
| 8.1  | References - Global Elements                  | 109 |
| 8.2  | References - Local Elements                   | 110 |
| 8.3  | References - Complex Types                    | 115 |
| 9    | Option Structures                             | 117 |
| 9.1  | Option Structures - Global Elements           | 117 |
| 9.2  | Option Structures - Local Elements            | 118 |
| 9.3  | Option Structures - Complex Types             | 121 |
| 10   | Basic Financial Structures                    | 123 |
| 10.1 | Basic Financial Structures - Global Elements  | 123 |
| 10.2 | Basic Financial Structures - Local Elements   | 124 |
| 10.3 | Basic Financial Structures - Complex Types    | 129 |
| 11   | Products                                      | 132 |
| 11.1 | Products - Global Elements                    | 132 |
| 11.2 | Products - Local Elements                     | 133 |
| 11.3 | Products - Complex Types                      | 134 |
| 12   | Interest Rates                                | 135 |
| 12.1 | Interest Rates - Global Elements              | 135 |
| 12.2 | Interest Rates - Local Elements               | 136 |
| 12.3 | Interest Rates - Complex Types                | 138 |
| 13   | FX and Currency                               | 139 |
| 13.1 | FX and Currency - Global Elements             | 139 |
| 13.2 | FX and Currency - Local Elements              | 140 |
| 13.3 | FX and Currency - Complex Types               |     |

# 1 Index of All Components

## 1.1 Index of All Components - Global Elements

| Component                         | Contained In | File                                   |
|-----------------------------------|--------------|--|
| americanExercise                  |              | fpml-shared-4-4.xsd                    |
| bankruptcy                        |              | fpml-credit-event-notification-4-4.xsd |
| basket                            |              | fpml-asset-4-4.xsd                     |
| bermudaExercise                   |              | fpml-shared-4-4.xsd                    |
| bond                              |              | fpml-asset-4-4.xsd                     |
| bondOption                        |              | fpml-bond-option-4-4.xsd               |
| brokerEquityOption                |              | fpml-eqd-4-4.xsd                       |
| bulletPayment                     |              | fpml-ird-4-4.xsd                       |
| capFloor                          |              | fpml-ird-4-4.xsd                       |
| cash                              |              | fpml-asset-4-4.xsd                     |
| convertibleBond                   |              | fpml-asset-4-4.xsd                     |
| correlationSwap                   |              | fpml-correlation-swaps-4-4.xsd         |
| creditCurve                       |              | fpml-mktenv-4-4.xsd                    |
| creditCurveValuation              |              | fpml-mktenv-4-4.xsd                    |
| creditDefaultSwap                 |              | fpml-cd-4-4.xsd                        |
| creditDefaultSwapOption           |              | fpml-cd-4-4.xsd                        |
| creditEvent                       |              | fpml-credit-event-notification-4-4.xsd |
| creditEventNotice                 |              | fpml-credit-event-notification-4-4.xsd |
| deposit                           |              | fpml-asset-4-4.xsd                     |
| dividendSwapTransactionSupplement |              | fpml-dividend-swaps-4-4.xsd            |
| equity                            |              | fpml-asset-4-4.xsd                     |
| equityForward                     |              | fpml-eqd-4-4.xsd                       |
| equityLeg                         |              | fpml-return-swaps-4-4.xsd              |
| equityOption                      |              | fpml-eqd-4-4.xsd                       |
| equityOptionTransactionSupplement |              | fpml-eqd-4-4.xsd                       |
| equitySwap                        |              | fpml-return-swaps-4-4.xsd              |
| equitySwapTransactionSupplement   |              | fpml-return-swaps-4-4.xsd              |
| europeanExercise                  |              | fpml-shared-4-4.xsd                    |
| event                             |              | fpml-doc-4-4.xsd                       |
| exchangeTradedFund                |              | fpml-asset-4-4.xsd                     |
| exercise                          |              | fpml-shared-4-4.xsd                    |
| failureToPay                      |              | fpml-credit-event-notification-4-4.xsd |
| floatingRateCalculation           |              | fpml-ird-4-4.xsd                       |
| FpML                              |              | fpml-main-4-4.xsd                      |
| fra                               |              | fpml-ird-4-4.xsd                       |
| future                            |              | fpml-asset-4-4.xsd                     |
| fxAverageRateOption               |              | fpml-fx-4-4.xsd                        |
| fxBarrierOption                   |              | fpml-fx-4-4.xsd                        |
| fxCurve                           |              | fpml-mktenv-4-4.xsd                    |
| fxCurveValuation                  |              | fpml-mktenv-4-4.xsd                    |
| fxDigitalOption                   |              | fpml-fx-4-4.xsd                        |
| fxRate                            |              | fpml-asset-4-4.xsd                     |
| fxSimpleOption                    |              | fpml-fx-4-4.xsd                        |
| fxSingleLeg                       |              | fpml-fx-4-4.xsd                        |
| fxSwap                            |              | fpml-fx-4-4.xsd                        |
| index                             |              | fpml-asset-4-4.xsd                     |
| inflationRateCalculation          |              | fpml-ird-4-4.xsd                       |
| interestLeg                       |              | fpml-eq-shared-4-4.xsd                 |
| loan                              |              | fpml-asset-4-4.xsd                     |
| market                            |              | fpml-riskdef-4-4.xsd                   |

|                           |  |  |  |
|---------------------------|--|--|--|
| mortgage                  |  | fpml-asset-4-4.xsd                     |  |
| mutualFund                |  | fpml-asset-4-4.xsd                     |  |
| obligationAcceleration    |  | fpml-credit-event-notification-4-4.xsd |  |
| obligationDefault         |  | fpml-credit-event-notification-4-4.xsd |  |
| portfolio                 |  | fpml-reporting-4-4.xsd                 |  |
| pricingStructure          |  | fpml-riskdef-4-4.xsd                   |  |
| pricingStructureValuation |  | fpml-riskdef-4-4.xsd                   |  |
| product                   |  | fpml-shared-4-4.xsd                    |  |
| queryPortfolio            |  | fpml-reporting-4-4.xsd                 |  |
| quotableFxSingleLeg       |  | fpml-pretrade-4-4.xsd                  |  |
| quotableProduct           |  | fpml-pretrade-4-4.xsd                  |  |
| rateCalculation           |  | fpml-ird-4-4.xsd                       |  |
| rateIndex                 |  | fpml-asset-4-4.xsd                     |  |
| repudiationMoratorium     |  | fpml-credit-event-notification-4-4.xsd |  |
| restructuring             |  | fpml-credit-event-notification-4-4.xsd |  |
| returnLeg                 |  | fpml-eq-shared-4-4.xsd                 |  |
| returnSwap                |  | fpml-eq-shared-4-4.xsd                 |  |
| returnSwapLeg             |  | fpml-eq-shared-4-4.xsd                 |  |
| simpleCreditDefaultSwap   |  | fpml-asset-4-4.xsd                     |  |
| simpleFra                 |  | fpml-asset-4-4.xsd                     |  |
| simpleIrrSwap             |  | fpml-asset-4-4.xsd                     |  |
| strategy                  |  | fpml-doc-4-4.xsd                       |  |
| swap                      |  | fpml-ird-4-4.xsd                       |  |
| swaption                  |  | fpml-ird-4-4.xsd                       |  |
| termDeposit               |  | fpml-fx-4-4.xsd                        |  |
| underlyingAsset           |  | fpml-asset-4-4.xsd                     |  |
| valuationSet              |  | fpml-valuation-4-4.xsd                 |  |
| varianceLeg               |  | fpml-eq-shared-4-4.xsd                 |  |
| varianceSwap              |  | fpml-variance-swaps-4-4.xsd            |  |
| volatilityMatrixValuation |  | fpml-mktenv-4-4.xsd                    |  |
| volatilityRepresentation  |  | fpml-mktenv-4-4.xsd                    |  |
| yieldCurve                |  | fpml-mktenv-4-4.xsd                    |  |
| yieldCurveValuation       |  | fpml-mktenv-4-4.xsd                    |  |

## 1.2 Index of All Components - Local Elements

| Component                           | Contained In                           | File                        |
|-------------------------------------|--|-----------------------------|
| acceleratedOrMatured                | DeliverableObligations                 | fpml-cd-4-4.xsd             |
| account                             | Party                                  | fpml-shared-4-4.xsd         |
| account                             | PartyRole                              | fpml-doc-4-4.xsd            |
| accountant                          | TradeSide                              | fpml-doc-4-4.xsd            |
| accountBeneficiary                  | Account                                | fpml-shared-4-4.xsd         |
| accountId                           | Account                                | fpml-shared-4-4.xsd         |
| accountName                         | Account                                | fpml-shared-4-4.xsd         |
| accountReference                    | Allocation                             | fpml-doc-4-4.xsd            |
| accrualAmount                       | FeeAccrualPeriod                       | fpml-loan-4-4.xsd           |
| accruedAmount                       | CashflowCalculationPeriod              | fpml-reconciliation-4-4.xsd |
| accruedInterest                     | CashSettlementTerms                    | fpml-cd-4-4.xsd             |
| accruedInterest                     | DeliverableObligations                 | fpml-cd-4-4.xsd             |
| accruedInterest                     | PendingPayment                         | fpml-asset-4-4.xsd          |
| accruedInterestPrice                | Price                                  | fpml-asset-4-4.xsd          |
| activityProvider                    | ReportingRoles                         | fpml-valuation-4-4.xsd      |
| additionalAcknowledgements          | Representations                        | fpml-eq-shared-4-4.xsd      |
| additionalData                      | MessageRejected                        | fpml-msg-4-4.xsd            |
| additionalData                      | Reason                                 | fpml-msg-4-4.xsd            |
| additionalDisruptionEvents          | ExtraordinaryEvents                    | fpml-eq-shared-4-4.xsd      |
| additionalDividends                 | CalculatedAmount                       | fpml-eq-shared-4-4.xsd      |
| additionalDividends                 | ReturnSwapAmount                       | fpml-eq-shared-4-4.xsd      |
| additionalFixedPayments             | FloatingAmountEvents                   | fpml-cd-4-4.xsd             |
| additionalPayment                   | CapFloor                               | fpml-ird-4-4.xsd            |
| additionalPayment                   | NettedSwapBase                         | fpml-eq-shared-4-4.xsd      |
| additionalPayment                   | ReturnSwap                             | fpml-eq-shared-4-4.xsd      |
| additionalPayment                   | Swap                                   | fpml-ird-4-4.xsd            |
| additionalPaymentAmount             | ReturnSwapAdditionalPayment            | fpml-eq-shared-4-4.xsd      |
| additionalPaymentDate               | ReturnSwapAdditionalPayment            | fpml-eq-shared-4-4.xsd      |
| additionalTerm                      | GeneralTerms                           | fpml-cd-4-4.xsd             |
| additionalTerms                     | Swap                                   | fpml-ird-4-4.xsd            |
| adjustableDate                      | AdjustableDateOrRelativeDateSequence   | fpml-eq-shared-4-4.xsd      |
| adjustableDate                      | AdjustableOrRelativeDate               | fpml-shared-4-4.xsd         |
| adjustableDate                      | DeprecatedScheduledTerminationDate     | fpml-cd-4-4.xsd             |
| adjustableDate                      | DividendPaymentDate                    | fpml-shared-4-4.xsd         |
| adjustableDate                      | ScheduledTerminationDate               | fpml-cd-4-4.xsd             |
| adjustableDate                      | StartingDate                           | fpml-eq-shared-4-4.xsd      |
| adjustableDates                     | AdjustableDatesOrRelativeDateOffset    | fpml-shared-4-4.xsd         |
| adjustableDates                     | AdjustableOrRelativeDates              | fpml-shared-4-4.xsd         |
| adjustableDates                     | AdjustableRelativeOrPeriodicDates      | fpml-shared-4-4.xsd         |
| adjustableDates                     | AdjustableRelativeOrPeriodicDates2     | fpml-shared-4-4.xsd         |
| adjustableDates                     | CashSettlementPaymentDate              | fpml-ird-4-4.xsd            |
| adjustablePaymentDate               | InitialPayment                         | fpml-cd-4-4.xsd             |
| adjustablePaymentDate               | PaymentDetail                          | fpml-doc-4-4.xsd            |
| adjustablePaymentDate               | SinglePayment                          | fpml-cd-4-4.xsd             |
| adjustedCashSettlementPaymentDate   | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| adjustedCashSettlementValuationDate | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedCashSettlementValuationDate | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedCashSettlementValuationDate | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| adjustedDate                        | AdjustableOrRelativeAndAdjustedDate    | fpml-shared-4-4.xsd         |
| adjustedDate                        | ScheduledDate                          | fpml-valuation-4-4.xsd      |
| adjustedDate                        | ScheduledDate                          | fpml-valuation-4-4.xsd      |

|                                   |  |  |
|-----------------------------------|--|--|
| adjustedEarlyTerminationDate      | CancellationEvent                      | fpml-ird-4-4.xsd                       |
| adjustedEarlyTerminationDate      | EarlyTerminationEvent                  | fpml-ird-4-4.xsd                       |
| adjustedEarlyTerminationDate      | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd                       |
| adjustedEffectiveDate             | Fra                                    | fpml-ird-4-4.xsd                       |
| adjustedEndDate                   | CalculationPeriod                      | fpml-ird-4-4.xsd                       |
| adjustedEndDate                   | CashflowCalculationPeriod              | fpml-reconciliation-4-4.xsd            |
| adjustedExerciseDate              | CancellationEvent                      | fpml-ird-4-4.xsd                       |
| adjustedExerciseDate              | EarlyTerminationEvent                  | fpml-ird-4-4.xsd                       |
| adjustedExerciseDate              | ExerciseEvent                          | fpml-ird-4-4.xsd                       |
| adjustedExerciseDate              | ExtensionEvent                         | fpml-ird-4-4.xsd                       |
| adjustedExerciseFeePaymentDate    | EarlyTerminationEvent                  | fpml-ird-4-4.xsd                       |
| adjustedExerciseFeePaymentDate    | ExerciseEvent                          | fpml-ird-4-4.xsd                       |
| adjustedExtendedTerminationDate   | ExtensionEvent                         | fpml-ird-4-4.xsd                       |
| adjustedFixingDate                | RateObservation                        | fpml-shared-4-4.xsd                    |
| adjustedFxSpotFixingDate          | FxLinkedNotionalAmount                 | fpml-ird-4-4.xsd                       |
| adjustedPaymentDate               | AdjustedPaymentDates                   | fpml-cd-4-4.xsd                        |
| adjustedPaymentDate               | AllegedCashflow                        | fpml-reconciliation-4-4.xsd            |
| adjustedPaymentDate               | AssertedCashflow                       | fpml-reconciliation-4-4.xsd            |
| adjustedPaymentDate               | CancelTradeCashflows                   | fpml-reconciliation-4-4.xsd            |
| adjustedPaymentDate               | InitialPayment                         | fpml-cd-4-4.xsd                        |
| adjustedPaymentDate               | Payment                                | fpml-shared-4-4.xsd                    |
| adjustedPaymentDate               | PaymentCalculationPeriod               | fpml-ird-4-4.xsd                       |
| adjustedPaymentDate               | PaymentDetail                          | fpml-doc-4-4.xsd                       |
| adjustedPaymentDate               | SinglePayment                          | fpml-cd-4-4.xsd                        |
| adjustedPaymentDate               | TradeCashflowsAsserted                 | fpml-reconciliation-4-4.xsd            |
| adjustedPaymentDate               | TradeCashflowsProposedMatch            | fpml-reconciliation-4-4.xsd            |
| adjustedPaymentDates              | PeriodicPayment                        | fpml-cd-4-4.xsd                        |
| adjustedPrincipalExchangeDate     | PrincipalExchange                      | fpml-ird-4-4.xsd                       |
| adjustedRelevantSwapEffectiveDate | ExerciseEvent                          | fpml-ird-4-4.xsd                       |
| adjustedStartDate                 | CalculationPeriod                      | fpml-ird-4-4.xsd                       |
| adjustedStartDate                 | CashflowCalculationPeriod              | fpml-reconciliation-4-4.xsd            |
| adjustedTerminationDate           | Fra                                    | fpml-ird-4-4.xsd                       |
| adjustment                        | VolatilityMatrix                       | fpml-mktenv-4-4.xsd                    |
| adjustmentValue                   | ParametricAdjustmentPoint              | fpml-mktenv-4-4.xsd                    |
| adjustsCommitment                 | FacilityRepayment                      | fpml-loan-4-4.xsd                      |
| affectedTransactions              | CreditEventNoticeDocument              | fpml-credit-event-notification-4-4.xsd |
| agentBankPartyReference           | FacilityNotice                         | fpml-loan-4-4.xsd                      |
| agentBankPartyReference           | LoanContractNotice                     | fpml-loan-4-4.xsd                      |
| agreementsRegardingHedging        | Representations                        | fpml-eq-shared-4-4.xsd                 |
| algorithm                         | YieldCurve                             | fpml-mktenv-4-4.xsd                    |
| allDividends                      | CalculatedAmount                       | fpml-eq-shared-4-4.xsd                 |
| allDividends                      | DeprecatedVarianceAmount               | fpml-eq-shared-4-4.xsd                 |
| allegedCashflow                   | TradeCashflowsMatchResult              | fpml-reconciliation-4-4.xsd            |
| allegedPosition                   | PositionMatchResult                    | fpml-reconciliation-4-4.xsd            |
| allGuarantees                     | ReferenceInformation                   | fpml-cd-4-4.xsd                        |
| allInRate                         | InterestRatePeriod                     | fpml-loan-4-4.xsd                      |
| allocatedFraction                 | Allocation                             | fpml-doc-4-4.xsd                       |
| allocatedNotional                 | Allocation                             | fpml-doc-4-4.xsd                       |
| allocation                        | Allocations                            | fpml-doc-4-4.xsd                       |
| allocations                       | RequestAllocation                      | fpml-allocation-4-4.xsd                |
| allocations                       | Trade                                  | fpml-doc-4-4.xsd                       |
| allocationTradeld                 | Allocation                             | fpml-doc-4-4.xsd                       |
| allocationTradeld                 | BlockTradeIdentifier                   | fpml-doc-4-4.xsd                       |
| amendedTrade                      | TradeAmendment                         | fpml-posttrade-4-4.xsd                 |
| amendment                         | AllocationAmended                      | fpml-allocation-4-4.xsd                |
| amendment                         | AmendmentConfirmed                     | fpml-posttrade-confirmation-4-4.xsd    |
| amendment                         | RequestAmendmentConfirmation           | fpml-posttrade-confirmation-4-4.xsd    |



|                                |                                   |                                    |
|--------------------------------|-----------------------------------|------------------------------------|
| amendment                      | TradeAmendmentRequest             | fpml-posttrade-negotiation-4-4.xsd |
| amendment                      | TradeAmendmentResponse            | fpml-posttrade-negotiation-4-4.xsd |
| amendmentEffectiveDate         | Amendment                         | fpml-doc-4-4.xsd                   |
| amendmentTradeDate             | Amendment                         | fpml-doc-4-4.xsd                   |
| amount                         | ActualPrice                       | fpml-asset-4-4.xsd                 |
| amount                         | CashflowNotional                  | fpml-reconciliation-4-4.xsd        |
| amount                         | CorrelationLeg                    | fpml-correlation-swaps-4-4.xsd     |
| amount                         | FacilityRepayment                 | fpml-loan-4-4.xsd                  |
| amount                         | FeaturePayment                    | fpml-option-shared-4-4.xsd         |
| amount                         | InterestPayment                   | fpml-loan-4-4.xsd                  |
| amount                         | LoanContract                      | fpml-loan-4-4.xsd                  |
| amount                         | LoanContractRepayment             | fpml-loan-4-4.xsd                  |
| amount                         | Money                             | fpml-shared-4-4.xsd                |
| amount                         | NonNegativeMoney                  | fpml-shared-4-4.xsd                |
| amount                         | OneOffFeePayment                  | fpml-loan-4-4.xsd                  |
| amount                         | OnGoingFeePayment                 | fpml-loan-4-4.xsd                  |
| amount                         | PendingPayment                    | fpml-asset-4-4.xsd                 |
| amount                         | PositiveMoney                     | fpml-shared-4-4.xsd                |
| amount                         | ReturnLeg                         | fpml-eq-shared-4-4.xsd             |
| amount                         | VarianceLeg                       | fpml-variance-swaps-4-4.xsd        |
| amountRelativeTo               | FxConversion                      | fpml-asset-4-4.xsd                 |
| amountRelativeTo               | Price                             | fpml-asset-4-4.xsd                 |
| amountRelativeTo               | PrincipalExchangeAmount           | fpml-eq-shared-4-4.xsd             |
| amountRelativeTo               | ReturnSwapNotional                | fpml-eq-shared-4-4.xsd             |
| approval                       | Approvals                         | fpml-doc-4-4.xsd                   |
| approvals                      | Allocation                        | fpml-doc-4-4.xsd                   |
| approver                       | Approval                          | fpml-doc-4-4.xsd                   |
| asian                          | OptionFeature                     | fpml-option-shared-4-4.xsd         |
| asian                          | OptionFeatures                    | fpml-eq-shared-4-4.xsd             |
| ask                            | TermPoint                         | fpml-mktenv-4-4.xsd                |
| asOfDate                       | AllegedCashflow                   | fpml-reconciliation-4-4.xsd        |
| asOfDate                       | AssertedCashflow                  | fpml-reconciliation-4-4.xsd        |
| asOfDate                       | PortfolioDefinition               | fpml-reconciliation-4-4.xsd        |
| asOfDate                       | PositionReport                    | fpml-reporting-4-4.xsd             |
| asOfDate                       | RequestPortfolio                  | fpml-reconciliation-4-4.xsd        |
| asOfDate                       | RequestPositionReport             | fpml-reporting-4-4.xsd             |
| asOfDate                       | TradeCashflowsAsserted            | fpml-reconciliation-4-4.xsd        |
| assertedCashflow               | TradeCashflowsMatchResult         | fpml-reconciliation-4-4.xsd        |
| assertedPosition               | PositionMatchResult               | fpml-reconciliation-4-4.xsd        |
| asset                          | VolatilityRepresentation          | fpml-mktenv-4-4.xsd                |
| assetQuote                     | QuotedAssetSet                    | fpml-riskdef-4-4.xsd               |
| assetReference                 | ForwardRateCurve                  | fpml-mktenv-4-4.xsd                |
| assetReference                 | PricingMethod                     | fpml-riskdef-4-4.xsd               |
| assetReference                 | ScheduledDate                     | fpml-valuation-4-4.xsd             |
| assetValuation                 | ValuationSet                      | fpml-valuation-4-4.xsd             |
| assignableLoan                 | DeliverableObligations            | fpml-cd-4-4.xsd                    |
| associatedValue                | ScheduledDate                     | fpml-valuation-4-4.xsd             |
| associatedValueReference       | ScheduledDate                     | fpml-valuation-4-4.xsd             |
| attachmentPoint                | Tranche                           | fpml-cd-4-4.xsd                    |
| automaticExercise              | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd                   |
| automaticExercise              | ExerciseProcedure                 | fpml-shared-4-4.xsd                |
| averaged                       | DerivativeCalculationProcedure    | fpml-riskdef-4-4.xsd               |
| averageRateObservationDate     | FxAverageRateOption               | fpml-fx-4-4.xsd                    |
| averageRateObservationSchedule | FxAverageRateOption               | fpml-fx-4-4.xsd                    |
| averageRateQuoteBasis          | FxAverageRateOption               | fpml-fx-4-4.xsd                    |
| averageRateWeightingFactor     | FxAverageRateObservationDate      | fpml-fx-4-4.xsd                    |
| averagingDateTimes             | AveragingPeriod                   | fpml-option-shared-4-4.xsd         |

|                            |                            |                              |
|----------------------------|----------------------------|------------------------------|
| averagingInOut             | Asian                      | fpml-option-shared-4-4.xsd   |
| averagingMethod            | FloatingRateCalculation    | fpml-shared-4-4.xsd          |
| averagingPeriodIn          | Asian                      | fpml-option-shared-4-4.xsd   |
| averagingPeriodOut         | Asian                      | fpml-option-shared-4-4.xsd   |
| bankruptcy                 | CreditEvents               | fpml-option-shared-4-4.xsd   |
| barrier                    | OptionFeature              | fpml-option-shared-4-4.xsd   |
| barrier                    | OptionFeatures             | fpml-eq-shared-4-4.xsd       |
| barrierCap                 | Barrier                    | fpml-option-shared-4-4.xsd   |
| barrierFloor               | Barrier                    | fpml-option-shared-4-4.xsd   |
| baseCurrency               | SideRates                  | fpml-fx-4-4.xsd              |
| baseDate                   | PricingStructureValuation  | fpml-riskdef-4-4.xsd         |
| baseParty                  | ReportingRoles             | fpml-valuation-4-4.xsd       |
| baseParty                  | ValuationSet               | fpml-valuation-4-4.xsd       |
| basePath                   | TradeDifference            | fpml-doc-4-4.xsd             |
| baseValuationScenario      | DerivedValuationScenario   | fpml-valuation-4-4.xsd       |
| baseValue                  | TradeDifference            | fpml-doc-4-4.xsd             |
| baseYieldCurve             | DefaultProbabilityCurve    | fpml-mktenv-4-4.xsd          |
| basket                     | Underlyer                  | fpml-asset-4-4.xsd           |
| basketAmount               | ConstituentWeight          | fpml-asset-4-4.xsd           |
| basketConstituent          | Basket                     | fpml-asset-4-4.xsd           |
| basketCurrency             | Basket                     | fpml-asset-4-4.xsd           |
| basketDivisor              | Basket                     | fpml-asset-4-4.xsd           |
| basketId                   | Basket                     | fpml-asset-4-4.xsd           |
| basketId                   | Basket                     | fpml-asset-4-4.xsd           |
| basketId                   | BasketReferenceInformation | fpml-cd-4-4.xsd              |
| basketId                   | BasketReferenceInformation | fpml-cd-4-4.xsd              |
| basketName                 | Basket                     | fpml-asset-4-4.xsd           |
| basketName                 | BasketReferenceInformation | fpml-cd-4-4.xsd              |
| basketPercentage           | ConstituentWeight          | fpml-asset-4-4.xsd           |
| basketReferenceInformation | GeneralTerms               | fpml-cd-4-4.xsd              |
| benchmarkPricingMethod     | Market                     | fpml-riskdef-4-4.xsd         |
| benchmarkQuotes            | Market                     | fpml-riskdef-4-4.xsd         |
| beneficiary                | SettlementInstruction      | fpml-shared-4-4.xsd          |
| beneficiary                | SplitSettlement            | fpml-shared-4-4.xsd          |
| beneficiary                | TradeSide                  | fpml-doc-4-4.xsd             |
| beneficiaryBank            | SettlementInstruction      | fpml-shared-4-4.xsd          |
| beneficiaryBank            | SplitSettlement            | fpml-shared-4-4.xsd          |
| beneficiaryPartyReference  | Beneficiary                | fpml-shared-4-4.xsd          |
| bermudaExerciseDates       | BermudaExercise            | fpml-shared-4-4.xsd          |
| bermudaExerciseDates       | EquityBermudaExercise      | fpml-eqd-4-4.xsd             |
| bestFitTrade               | TradeMismatched            | fpml-matching-status-4-4.xsd |
| bestFitTradeId             | TradeAlleged               | fpml-matching-status-4-4.xsd |
| bestFitTradeId             | TradeUnmatched             | fpml-matching-status-4-4.xsd |
| bid                        | TermPoint                  | fpml-mktenv-4-4.xsd          |
| blockTradeId               | AllocationTradeIdentifier  | fpml-doc-4-4.xsd             |
| blockTradeId               | BlockTradeIdentifier       | fpml-doc-4-4.xsd             |
| blockTradeIdentifier       | RequestAllocation          | fpml-allocation-4-4.xsd      |
| bondReference              | SwapAdditionalTerms        | fpml-ird-4-4.xsd             |
| borrower                   | Loan                       | fpml-asset-4-4.xsd           |
| borrowerPartyReference     | FacilityNotice             | fpml-loan-4-4.xsd            |
| borrowerPartyReference     | LoanContract               | fpml-loan-4-4.xsd            |
| borrowerPartyReference     | LoanContractNotice         | fpml-loan-4-4.xsd            |
| borrowerReference          | Loan                       | fpml-asset-4-4.xsd           |
| boundedCorrelation         | Correlation                | fpml-eq-shared-4-4.xsd       |
| boundedVariance            | Variance                   | fpml-eq-shared-4-4.xsd       |
| breakageCost               | FacilityRepayment          | fpml-loan-4-4.xsd            |
| brokerageFee               | BrokerEquityOption         | fpml-eqd-4-4.xsd             |

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|--------------------------|--------------------------------------|-----------------------------|
| brokerConfirmation       | Documentation                        | fpml-shared-4-4.xsd         |
| brokerConfirmationType   | BrokerConfirmation                   | fpml-shared-4-4.xsd         |
| brokerNotes              | BrokerEquityOption                   | fpml-eqd-4-4.xsd            |
| brokerPartyReference     | Trade                                | fpml-doc-4-4.xsd            |
| buildDateTime            | PricingStructureValuation            | fpml-riskdef-4-4.xsd        |
| businessCenter           | BasicQuotation                       | fpml-asset-4-4.xsd          |
| businessCenter           | BusinessCenters                      | fpml-shared-4-4.xsd         |
| businessCenter           | BusinessCenterTime                   | fpml-shared-4-4.xsd         |
| businessCenter           | CreditEventNotice                    | fpml-option-shared-4-4.xsd  |
| businessCenter           | ExerciseNotice                       | fpml-shared-4-4.xsd         |
| businessCenter           | MultiDimensionalPricingData          | fpml-mktenv-4-4.xsd         |
| businessCenter           | PricingStructurePoint                | fpml-mktenv-4-4.xsd         |
| businessCenter           | Quotation                            | fpml-valuation-4-4.xsd      |
| businessCenter           | QuotationCharacteristics             | fpml-asset-4-4.xsd          |
| businessCenters          | BusinessDateRange                    | fpml-shared-4-4.xsd         |
| businessCenters          | BusinessDayAdjustments               | fpml-shared-4-4.xsd         |
| businessCenters          | FxFixingDate                         | fpml-ird-4-4.xsd            |
| businessCenters          | RelativeDateOffset                   | fpml-shared-4-4.xsd         |
| businessCenters          | RelativeDateSequence                 | fpml-shared-4-4.xsd         |
| businessCentersReference | BusinessDateRange                    | fpml-shared-4-4.xsd         |
| businessCentersReference | BusinessDayAdjustments               | fpml-shared-4-4.xsd         |
| businessCentersReference | FxFixingDate                         | fpml-ird-4-4.xsd            |
| businessCentersReference | RelativeDateOffset                   | fpml-shared-4-4.xsd         |
| businessCentersReference | RelativeDateSequence                 | fpml-shared-4-4.xsd         |
| businessDateRange        | CashSettlementPaymentDate            | fpml-ird-4-4.xsd            |
| businessDayConvention    | BusinessDateRange                    | fpml-shared-4-4.xsd         |
| businessDayConvention    | BusinessDayAdjustments               | fpml-shared-4-4.xsd         |
| businessDayConvention    | DateOffset                           | fpml-shared-4-4.xsd         |
| businessDayConvention    | FinalCalculationPeriodDateAdjustment | fpml-ird-4-4.xsd            |
| businessDayConvention    | FxFixingDate                         | fpml-ird-4-4.xsd            |
| businessDayConvention    | RelativeDateOffset                   | fpml-shared-4-4.xsd         |
| businessDays             | PhysicalSettlementPeriod             | fpml-cd-4-4.xsd             |
| businessDays             | SingleValuationDate                  | fpml-cd-4-4.xsd             |
| businessDaysNotSpecified | PhysicalSettlementPeriod             | fpml-cd-4-4.xsd             |
| businessDaysThereafter   | MultipleValuationDates               | fpml-cd-4-4.xsd             |
| buyer                    | Strike                               | fpml-shared-4-4.xsd         |
| buyer                    | StrikeSchedule                       | fpml-shared-4-4.xsd         |
| buyerPartyReference      | CancelableProvision                  | fpml-ird-4-4.xsd            |
| buyerPartyReference      | EquityDerivativeBase                 | fpml-eqd-4-4.xsd            |
| buyerPartyReference      | ExtendibleProvision                  | fpml-ird-4-4.xsd            |
| buyerPartyReference      | Fra                                  | fpml-ird-4-4.xsd            |
| buyerPartyReference      | FxAverageRateOption                  | fpml-fx-4-4.xsd             |
| buyerPartyReference      | FxDigitalOption                      | fpml-fx-4-4.xsd             |
| buyerPartyReference      | FxOptionLeg                          | fpml-fx-4-4.xsd             |
| buyerPartyReference      | GeneralTerms                         | fpml-cd-4-4.xsd             |
| buyerPartyReference      | NotifyingParty                       | fpml-option-shared-4-4.xsd  |
| buyerPartyReference      | OptionBase                           | fpml-option-shared-4-4.xsd  |
| buyerPartyReference      | ReturnSwapBase                       | fpml-eq-shared-4-4.xsd      |
| buyerPartyReference      | SinglePartyOption                    | fpml-ird-4-4.xsd            |
| buyerPartyReference      | Swaption                             | fpml-ird-4-4.xsd            |
| calculatedRate           | CashflowCalculationElements          | fpml-reconciliation-4-4.xsd |
| calculatedRate           | FloatingRateDefinition               | fpml-ird-4-4.xsd            |
| calculatedRateReference  | CashflowCalculationPeriod            | fpml-reconciliation-4-4.xsd |
| calculatedValue          | CashflowFixing                       | fpml-reconciliation-4-4.xsd |
| calclater                | TradeSide                            | fpml-doc-4-4.xsd            |
| calculation              | CalculationPeriodAmount              | fpml-ird-4-4.xsd            |
| calculationAgent         | Contract                             | fpml-doc-4-4.xsd            |

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|-----------------------------------|--------------------------------------|-----------------------------|
| calculationAgent                  | MandatoryEarlyTermination            | fpml-ird-4-4.xsd            |
| calculationAgent                  | OptionalEarlyTermination             | fpml-ird-4-4.xsd            |
| calculationAgent                  | Swaption                             | fpml-ird-4-4.xsd            |
| calculationAgent                  | Trade                                | fpml-doc-4-4.xsd            |
| calculationAgentBusinessCenter    | Contract                             | fpml-doc-4-4.xsd            |
| calculationAgentBusinessCenter    | Trade                                | fpml-doc-4-4.xsd            |
| calculationAgentDetermination     | FallbackReferencePrice               | fpml-ird-4-4.xsd            |
| calculationAgentParty             | CalculationAgent                     | fpml-shared-4-4.xsd         |
| calculationAgentPartyReference    | CalculationAgent                     | fpml-shared-4-4.xsd         |
| calculationAmount                 | FixedAmountCalculation               | fpml-cd-4-4.xsd             |
| calculationAmount                 | ProtectionTerms                      | fpml-cd-4-4.xsd             |
| calculationDates                  | CalculatedAmount                     | fpml-eq-shared-4-4.xsd      |
| calculationDates                  | LegAmount                            | fpml-eq-shared-4-4.xsd      |
| calculationDetails                | PaymentMatching                      | fpml-reconciliation-4-4.xsd |
| calculationElements               | CalculationDetails                   | fpml-reconciliation-4-4.xsd |
| calculationEndDate                | PeriodicDates                        | fpml-shared-4-4.xsd         |
| calculationMethod                 | InterestPayment                      | fpml-loan-4-4.xsd           |
| calculationPeriod                 | CashflowCalculationElements          | fpml-reconciliation-4-4.xsd |
| calculationPeriod                 | PaymentCalculationPeriod             | fpml-ird-4-4.xsd            |
| calculationPeriodAmount           | InterestRateStream                   | fpml-ird-4-4.xsd            |
| calculationPeriodDates            | InterestRateStream                   | fpml-ird-4-4.xsd            |
| calculationPeriodDatesAdjustments | CalculationPeriodDates               | fpml-ird-4-4.xsd            |
| calculationPeriodDatesAdjustments | PeriodicDates                        | fpml-shared-4-4.xsd         |
| calculationPeriodDatesReference   | DateRelativeToCalculationPeriodDates | fpml-ird-4-4.xsd            |
| calculationPeriodDatesReference   | InterestLegResetDates                | fpml-eq-shared-4-4.xsd      |
| calculationPeriodDatesReference   | NotionalStepRule                     | fpml-ird-4-4.xsd            |
| calculationPeriodDatesReference   | PaymentDates                         | fpml-ird-4-4.xsd            |
| calculationPeriodDatesReference   | ResetDates                           | fpml-ird-4-4.xsd            |
| calculationPeriodDatesReference   | StubCalculationPeriodAmount          | fpml-ird-4-4.xsd            |
| calculationPeriodFrequency        | CalculationPeriodDates               | fpml-ird-4-4.xsd            |
| calculationPeriodFrequency        | FxAverageRateObservationSchedule     | fpml-fx-4-4.xsd             |
| calculationPeriodFrequency        | PeriodicDates                        | fpml-shared-4-4.xsd         |
| calculationPeriodNumberOfDays     | CalculationPeriod                    | fpml-ird-4-4.xsd            |
| calculationPeriodNumberOfDays     | Fra                                  | fpml-ird-4-4.xsd            |
| calculationProcedure              | PricingParameterDerivative           | fpml-riskdef-4-4.xsd        |
| calculationProcedure              | SensitivitySetDefinition             | fpml-riskdef-4-4.xsd        |
| calculationStartDate              | PeriodicDates                        | fpml-shared-4-4.xsd         |
| calendarSpread                    | StrategyFeature                      | fpml-option-shared-4-4.xsd  |
| callCurrencyAmount                | FxAverageRateOption                  | fpml-fx-4-4.xsd             |
| callCurrencyAmount                | FxOptionLeg                          | fpml-fx-4-4.xsd             |
| cancelableProvision               | Swap                                 | fpml-ird-4-4.xsd            |
| cancelableProvisionAdjustedDates  | CancelableProvision                  | fpml-ird-4-4.xsd            |
| cancellationEvent                 | CancelableProvisionAdjustedDates     | fpml-ird-4-4.xsd            |
| capFloorStream                    | CapFloor                             | fpml-ird-4-4.xsd            |
| capRate                           | FloatingRateDefinition               | fpml-ird-4-4.xsd            |
| capRateSchedule                   | FloatingRate                         | fpml-shared-4-4.xsd         |
| capValue                          | CashflowFixing                       | fpml-reconciliation-4-4.xsd |
| cashflowAmount                    | GrossCashflow                        | fpml-reconciliation-4-4.xsd |
| cashflowId                        | GrossCashflow                        | fpml-reconciliation-4-4.xsd |
| cashflows                         | InterestRateStream                   | fpml-ird-4-4.xsd            |
| cashflowsMatchParameters          | Cashflows                            | fpml-ird-4-4.xsd            |
| cashFlowType                      | BasicQuotation                       | fpml-asset-4-4.xsd          |
| cashFlowType                      | GrossCashflow                        | fpml-reconciliation-4-4.xsd |
| cashFlowType                      | MultiDimensionalPricingData          | fpml-mktenv-4-4.xsd         |
| cashFlowType                      | PricingStructurePoint                | fpml-mktenv-4-4.xsd         |
| cashFlowType                      | Quotation                            | fpml-valuation-4-4.xsd      |
| cashFlowType                      | QuotationCharacteristics             | fpml-asset-4-4.xsd          |

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|------------------------------------|-----------------------------------|--|
| cashPriceAlternateMethod           | CashSettlement                    | fpml-ird-4-4.xsd                       |
| cashPriceMethod                    | CashSettlement                    | fpml-ird-4-4.xsd                       |
| cashSettlement                     | MandatoryEarlyTermination         | fpml-ird-4-4.xsd                       |
| cashSettlement                     | OptionalEarlyTermination          | fpml-ird-4-4.xsd                       |
| cashSettlement                     | ReturnSwapAmount                  | fpml-eq-shared-4-4.xsd                 |
| cashSettlement                     | Swaption                          | fpml-ird-4-4.xsd                       |
| cashSettlementAmount               | CashSettlementTerms               | fpml-cd-4-4.xsd                        |
| cashSettlementBusinessDays         | CashSettlementTerms               | fpml-cd-4-4.xsd                        |
| cashSettlementCurrency             | CashPriceMethod                   | fpml-ird-4-4.xsd                       |
| cashSettlementPaymentDate          | CashSettlement                    | fpml-ird-4-4.xsd                       |
| cashSettlementPaymentDate          | DeprecatedVarianceAmount          | fpml-eq-shared-4-4.xsd                 |
| cashSettlementReferenceBanks       | CashPriceMethod                   | fpml-ird-4-4.xsd                       |
| cashSettlementReferenceBanks       | SettlementRateSource              | fpml-shared-4-4.xsd                    |
| cashSettlementTerms                | CreditDefaultSwap                 | fpml-cd-4-4.xsd                        |
| cashSettlementTerms                | FxOptionLeg                       | fpml-fx-4-4.xsd                        |
| cashSettlementValuationDate        | CashSettlement                    | fpml-ird-4-4.xsd                       |
| cashSettlementValuationTime        | CashSettlement                    | fpml-ird-4-4.xsd                       |
| category                           | DeliverableObligations            | fpml-cd-4-4.xsd                        |
| category                           | Obligations                       | fpml-cd-4-4.xsd                        |
| changeInLaw                        | AdditionalDisruptionEvents        | fpml-eq-shared-4-4.xsd                 |
| changeInNotionalAmount             | ChangeContractSize                | fpml-doc-4-4.xsd                       |
| changeInNumberOfOptions            | ChangeContractSize                | fpml-doc-4-4.xsd                       |
| changeInNumberOfUnits              | ChangeContractSize                | fpml-doc-4-4.xsd                       |
| city                               | Address                           | fpml-shared-4-4.xsd                    |
| cleanNetPrice                      | Price                             | fpml-asset-4-4.xsd                     |
| clearanceSystem                    | UnderlyingAsset                   | fpml-asset-4-4.xsd                     |
| closingLevel                       | CalculationFromObservation        | fpml-eq-shared-4-4.xsd                 |
| closingLevel                       | DeprecatedVariance                | fpml-eq-shared-4-4.xsd                 |
| coefficient                        | FormulaTerm                       | fpml-riskdef-4-4.xsd                   |
| collateral                         | Allocation                        | fpml-doc-4-4.xsd                       |
| collateral                         | Contract                          | fpml-doc-4-4.xsd                       |
| collateral                         | Trade                             | fpml-doc-4-4.xsd                       |
| commencementDate                   | AmericanExercise                  | fpml-shared-4-4.xsd                    |
| commencementDate                   | SharedAmericanExercise            | fpml-shared-4-4.xsd                    |
| comments                           | FacilityNotice                    | fpml-loan-4-4.xsd                      |
| comments                           | LoanContractNotice                | fpml-loan-4-4.xsd                      |
| comments                           | Resource                          | fpml-credit-event-notification-4-4.xsd |
| commission                         | Price                             | fpml-asset-4-4.xsd                     |
| commissionAmount                   | Commission                        | fpml-asset-4-4.xsd                     |
| commissionDenomination             | Commission                        | fpml-asset-4-4.xsd                     |
| commissionPerTrade                 | Commission                        | fpml-asset-4-4.xsd                     |
| componentDescription               | FormulaComponent                  | fpml-shared-4-4.xsd                    |
| composite                          | FxFeature                         | fpml-option-shared-4-4.xsd             |
| compositionOfCombinedConsideration | ExtraordinaryEvents               | fpml-eq-shared-4-4.xsd                 |
| compounding                        | InterestCalculation               | fpml-eq-shared-4-4.xsd                 |
| compounding                        | InterestShortFall                 | fpml-cd-4-4.xsd                        |
| compoundingFrequency               | ZeroRateCurve                     | fpml-mktnv-4-4.xsd                     |
| compoundingMethod                  | Calculation                       | fpml-ird-4-4.xsd                       |
| compoundingMethod                  | CashflowCalculationPeriod         | fpml-reconciliation-4-4.xsd            |
| compoundingMethod                  | Compounding                       | fpml-eq-shared-4-4.xsd                 |
| compoundingMethod                  | InterestAccrualsCompoundingMethod | fpml-shared-4-4.xsd                    |
| compoundingRate                    | Compounding                       | fpml-eq-shared-4-4.xsd                 |
| compoundingSpread                  | Compounding                       | fpml-eq-shared-4-4.xsd                 |
| conditionPrecedentBond             | BondReference                     | fpml-ird-4-4.xsd                       |
| conditionsPrecedentComment         | LoanContract                      | fpml-loan-4-4.xsd                      |
| conditionsPrecedentMet             | LoanContract                      | fpml-loan-4-4.xsd                      |
| conditionsPrecedentType            | DrawdownNotice                    | fpml-loan-4-4.xsd                      |

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|-----------------------------------|-------------------------------------|------------------------------------|
| confirmationSenderPartyReference  | FxLeg                               | fpml-fx-4-4.xsd                    |
| confirmer                         | TradeSide                           | fpml-doc-4-4.xsd                   |
| consentRequiredLoan               | DeliverableObligations              | fpml-cd-4-4.xsd                    |
| constantNotionalScheduleReference | FxLinkedNotionalSchedule            | fpml-ird-4-4.xsd                   |
| constituent                       | AssertedPosition                    | fpml-reconciliation-4-4.xsd        |
| constituent                       | Position                            | fpml-valuation-4-4.xsd             |
| constituent                       | PositionProposedMatch               | fpml-reconciliation-4-4.xsd        |
| constituentExchangeId             | ExchangeTradedCalculatedPrice       | fpml-asset-4-4.xsd                 |
| constituentWeight                 | BasketConstituent                   | fpml-asset-4-4.xsd                 |
| constituentWeight                 | ReferencePoolItem                   | fpml-cd-4-4.xsd                    |
| contract                          | ContractCreated                     | fpml-contract-notification-4-4.xsd |
| contract                          | PositionConstituent                 | fpml-valuation-4-4.xsd             |
| contractDate                      | ContractHeader                      | fpml-doc-4-4.xsd                   |
| contractId                        | ContractIdentifier                  | fpml-doc-4-4.xsd                   |
| contractId                        | VersionedContractId                 | fpml-doc-4-4.xsd                   |
| contractReference                 | ChangeContract                      | fpml-doc-4-4.xsd                   |
| contractReference                 | ContractFullTerminationCancelled    | fpml-contract-notification-4-4.xsd |
| contractReference                 | ContractIncreasedCancelled          | fpml-contract-notification-4-4.xsd |
| contractReference                 | ContractNovatedCancelled            | fpml-contract-notification-4-4.xsd |
| contractReference                 | ContractPartialTerminationCancelled | fpml-contract-notification-4-4.xsd |
| contractReference                 | ContractReferenceMessage            | fpml-contract-notification-4-4.xsd |
| contractReference                 | ExchangeTradedContract              | fpml-asset-4-4.xsd                 |
| contractReference                 | PositionConstituent                 | fpml-valuation-4-4.xsd             |
| contractualDefinitions            | ContractNovation                    | fpml-doc-4-4.xsd                   |
| contractualDefinitions            | Documentation                       | fpml-shared-4-4.xsd                |
| contractualDefinitions            | Novation                            | fpml-posttrade-4-4.xsd             |
| contractualMatrix                 | Documentation                       | fpml-shared-4-4.xsd                |
| contractualSupplement             | Documentation                       | fpml-shared-4-4.xsd                |
| contractualSupplement             | Novation                            | fpml-posttrade-4-4.xsd             |
| contractualTermsSupplement        | ContractNovation                    | fpml-doc-4-4.xsd                   |
| contractualTermsSupplement        | Documentation                       | fpml-shared-4-4.xsd                |
| contractualTermsSupplement        | Novation                            | fpml-posttrade-4-4.xsd             |
| conversationId                    | MessageHeader                       | fpml-msg-4-4.xsd                   |
| coordinate                        | PricingStructurePoint               | fpml-mktenv-4-4.xsd                |
| coordinate                        | SensitivityDefinition               | fpml-riskdef-4-4.xsd               |
| coordinateReference               | PricingStructurePoint               | fpml-mktenv-4-4.xsd                |
| coordinateReference               | SensitivityDefinition               | fpml-riskdef-4-4.xsd               |
| copyTo                            | NotificationMessageHeader           | fpml-msg-4-4.xsd                   |
| copyTo                            | RequestMessageHeader                | fpml-msg-4-4.xsd                   |
| copyTo                            | ResponseMessageHeader               | fpml-msg-4-4.xsd                   |
| correlation                       | CorrelationAmount                   | fpml-correlation-swaps-4-4.xsd     |
| correlationLeg                    | CorrelationSwap                     | fpml-correlation-swaps-4-4.xsd     |
| correlationStrikePrice            | Correlation                         | fpml-eq-shared-4-4.xsd             |
| correspondentInformation          | SettlementInstruction               | fpml-shared-4-4.xsd                |
| correspondentPartyReference       | CorrespondentInformation            | fpml-shared-4-4.xsd                |
| country                           | Address                             | fpml-shared-4-4.xsd                |
| couponPayment                     | BasketConstituent                   | fpml-asset-4-4.xsd                 |
| couponPayment                     | SingleUnderlyer                     | fpml-asset-4-4.xsd                 |
| couponRate                        | Bond                                | fpml-asset-4-4.xsd                 |
| couponRate                        | Mortgage                            | fpml-asset-4-4.xsd                 |
| couponType                        | Bond                                | fpml-asset-4-4.xsd                 |
| couponType                        | Mortgage                            | fpml-asset-4-4.xsd                 |
| creationTimestamp                 | NotificationMessageHeader           | fpml-msg-4-4.xsd                   |
| creationTimestamp                 | RequestMessageHeader                | fpml-msg-4-4.xsd                   |
| creationTimestamp                 | ResponseMessageHeader               | fpml-msg-4-4.xsd                   |
| creditAgreementDate               | DealIdentifier                      | fpml-loan-4-4.xsd                  |
| creditAgreementDate               | Loan                                | fpml-asset-4-4.xsd                 |

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|---------------------------|-----------------------------|-----------------------------|-----------|
| creditChargeAmount        | Allocation                  | fpml-doc-4-4.xsd            |           |
| creditDerivativesNotices  | ContractNovation            | fpml-doc-4-4.xsd            |           |
| creditDerivativesNotices  | Novation                    | fpml-posttrade-4-4.xsd      |           |
| creditEntityReference     | CreditCurve                 | fpml-mktenv-4-4.xsd         |           |
| creditEntityReference     | SimpleCreditDefaultSwap     | fpml-asset-4-4.xsd          |           |
| creditEvent               | CreditDerivativesNotices    | fpml-doc-4-4.xsd            |           |
| creditEventDate           | CreditEventNoticeDocument   | fpml-credit-event-notificat | on-4-4.xs |
| creditEventNotice         | CreditEventNotification     | fpml-credit-event-notificat | on-4-4.xs |
| creditEventNotice         | CreditEvents                | fpml-option-shared-4-4.xsd  |           |
| creditEventNoticeDate     | CreditEventNoticeDocument   | fpml-credit-event-notificat | on-4-4.xs |
| creditEvents              | CreditCurve                 | fpml-mktenv-4-4.xsd         |           |
| creditEvents              | ProtectionTerms             | fpml-cd-4-4.xsd             |           |
| creditEvents              | Trigger                     | fpml-option-shared-4-4.xsd  |           |
| creditEventsReference     | Trigger                     | fpml-option-shared-4-4.xsd  |           |
| creditor                  | TradeSide                   | fpml-doc-4-4.xsd            |           |
| creditSupportAgreement    | Documentation               | fpml-shared-4-4.xsd         |           |
| creditSupportDocument     | Documentation               | fpml-shared-4-4.xsd         |           |
| crossCurrency             | FxFeature                   | fpml-option-shared-4-4.xsd  |           |
| currency                  | ActualPrice                 | fpml-asset-4-4.xsd          |           |
| currency                  | AmountSchedule              | fpml-shared-4-4.xsd         |           |
| currency                  | BasicQuotation              | fpml-asset-4-4.xsd          |           |
| currency                  | Cash                        | fpml-asset-4-4.xsd          |           |
| currency                  | CashflowNotional            | fpml-reconciliation-4-4.xsd |           |
| currency                  | Commission                  | fpml-asset-4-4.xsd          |           |
| currency                  | CreditCurve                 | fpml-mktenv-4-4.xsd         |           |
| currency                  | DividendConditions          | fpml-shared-4-4.xsd         |           |
| currency                  | EquityStrike                | fpml-eq-shared-4-4.xsd      |           |
| currency                  | FacilityIdentifier          | fpml-loan-4-4.xsd           |           |
| currency                  | FeaturePayment              | fpml-option-shared-4-4.xsd  |           |
| currency                  | LegAmount                   | fpml-eq-shared-4-4.xsd      |           |
| currency                  | MoneyBase                   | fpml-shared-4-4.xsd         |           |
| currency                  | MultiDimensionalPricingData | fpml-mktenv-4-4.xsd         |           |
| currency                  | NotDomesticCurrency         | fpml-cd-4-4.xsd             |           |
| currency                  | OptionStrike                | fpml-option-shared-4-4.xsd  |           |
| currency                  | PaymentCurrency             | fpml-shared-4-4.xsd         |           |
| currency                  | PricingStructure            | fpml-shared-4-4.xsd         |           |
| currency                  | PricingStructurePoint       | fpml-mktenv-4-4.xsd         |           |
| currency                  | Quotation                   | fpml-valuation-4-4.xsd      |           |
| currency                  | QuotationCharacteristics    | fpml-asset-4-4.xsd          |           |
| currency                  | SideRate                    | fpml-fx-4-4.xsd             |           |
| currency                  | SpecifiedCurrency           | fpml-cd-4-4.xsd             |           |
| currency                  | UnderlyingAsset             | fpml-asset-4-4.xsd          |           |
| currency1                 | QuotedCurrencyPair          | fpml-shared-4-4.xsd         |           |
| currency1SideRate         | SideRates                   | fpml-fx-4-4.xsd             |           |
| currency1ValueDate        | FxLeg                       | fpml-fx-4-4.xsd             |           |
| currency2                 | QuotedCurrencyPair          | fpml-shared-4-4.xsd         |           |
| currency2SideRate         | SideRates                   | fpml-fx-4-4.xsd             |           |
| currency2ValueDate        | FxLeg                       | fpml-fx-4-4.xsd             |           |
| currencyReference         | DividendConditions          | fpml-shared-4-4.xsd         |           |
| currencyReference         | LegAmount                   | fpml-eq-shared-4-4.xsd      |           |
| currentAmount             | FacilityCommitmentPosition  | fpml-loan-4-4.xsd           |           |
| currentAmount             | LoanContractPosition        | fpml-loan-4-4.xsd           |           |
| currentFactor             | AssetPool                   | fpml-asset-4-4.xsd          |           |
| currentInterestRatePeriod | LoanContract                | fpml-loan-4-4.xsd           |           |
| cutName                   | ExpiryDateTime              | fpml-fx-4-4.xsd             |           |
| datapoint                 | ParametricAdjustment        | fpml-mktenv-4-4.xsd         |           |
| dataPoints                | VolatilityMatrix            | fpml-mktenv-4-4.xsd         |           |

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|--|---------------------------|-----------------------------|
| dataSetName                              | PositionReport            | fpml-reporting-4-4.xsd      |
| dataSetName                              | RequestPositionReport     | fpml-reporting-4-4.xsd      |
| date                                     | ChangeContract            | fpml-doc-4-4.xsd            |
| date                                     | CreditSupportAgreement    | fpml-shared-4-4.xsd         |
| date                                     | DateList                  | fpml-shared-4-4.xsd         |
| date                                     | TimeDimension             | fpml-riskdef-4-4.xsd        |
| dateAdjustments                          | AdjustableDate            | fpml-shared-4-4.xsd         |
| dateAdjustments                          | AdjustableDate2           | fpml-shared-4-4.xsd         |
| dateAdjustments                          | AdjustableDates           | fpml-shared-4-4.xsd         |
| dateAdjustments                          | DividendPeriod            | fpml-eq-shared-4-4.xsd      |
| dateAdjustments                          | GeneralTerms              | fpml-cd-4-4.xsd             |
| dateAdjustmentsReference                 | AdjustableDate2           | fpml-shared-4-4.xsd         |
| dateOffset                               | RelativeDateSequence      | fpml-shared-4-4.xsd         |
| dateRelativeTo                           | RelativeDateOffset        | fpml-shared-4-4.xsd         |
| dateRelativeTo                           | RelativeDateSequence      | fpml-shared-4-4.xsd         |
| dateRelativeTo                           | StartingDate              | fpml-eq-shared-4-4.xsd      |
| dateRelativeToCalculationPeriodDates     | FxFixingDate              | fpml-ird-4-4.xsd            |
| dateRelativeToPaymentDates               | FxFixingDate              | fpml-ird-4-4.xsd            |
| dateTime                                 | DateTimeList              | fpml-shared-4-4.xsd         |
| dayCountFraction                         | Bond                      | fpml-asset-4-4.xsd          |
| dayCountFraction                         | Calculation               | fpml-ird-4-4.xsd            |
| dayCountFraction                         | CashflowCalculationPeriod | fpml-reconciliation-4-4.xsd |
| dayCountFraction                         | Deposit                   | fpml-asset-4-4.xsd          |
| dayCountFraction                         | FixedAmountCalculation    | fpml-cd-4-4.xsd             |
| dayCountFraction                         | Fra                       | fpml-ird-4-4.xsd            |
| dayCountFraction                         | InterestCalculation       | fpml-eq-shared-4-4.xsd      |
| dayCountFraction                         | Mortgage                  | fpml-asset-4-4.xsd          |
| dayCountFraction                         | RateIndex                 | fpml-asset-4-4.xsd          |
| dayCountFraction                         | SimpleFra                 | fpml-asset-4-4.xsd          |
| dayCountFraction                         | SimpleIRSwap              | fpml-asset-4-4.xsd          |
| dayCountFraction                         | TermDeposit               | fpml-fx-4-4.xsd             |
| dayCountYearFraction                     | CalculationPeriod         | fpml-ird-4-4.xsd            |
| dayCountYearFraction                     | CashflowCalculationPeriod | fpml-reconciliation-4-4.xsd |
| dayOfWeek                                | AveragingSchedule         | fpml-option-shared-4-4.xsd  |
| daysInRangeAdjustment                    | BoundedVariance           | fpml-eq-shared-4-4.xsd      |
| dayType                                  | Offset                    | fpml-shared-4-4.xsd         |
| dealer                                   | CashSettlementTerms       | fpml-cd-4-4.xsd             |
| dealIdentifier                           | FacilityNotice            | fpml-loan-4-4.xsd           |
| dealIdentifier                           | LoanContractNotice        | fpml-loan-4-4.xsd           |
| dealName                                 | DealIdentifier            | fpml-loan-4-4.xsd           |
| declaredCashDividendPercentage           | DividendLeg               | fpml-dividend-swaps-4-4.xsd |
| declaredCashEquivalentDividendPercentage | DividendLeg               | fpml-dividend-swaps-4-4.xsd |
| decreaseInNotionalAmount                 | PartialTerminationAmount  | fpml-posttrade-4-4.xsd      |
| decreaseInNumberOfOptions                | PartialTerminationAmount  | fpml-posttrade-4-4.xsd      |
| defaultProbabilities                     | DefaultProbabilityCurve   | fpml-mktenv-4-4.xsd         |
| defaultProbabilityCurve                  | CreditCurveValuation      | fpml-mktenv-4-4.xsd         |
| defaultRequirement                       | CreditEvents              | fpml-option-shared-4-4.xsd  |
| definedPosition                          | PositionsAcknowledged     | fpml-reconciliation-4-4.xsd |
| definePosition                           | PositionsAsserted         | fpml-reconciliation-4-4.xsd |
| definePosition                           | PositionsAsserted         | fpml-reconciliation-4-4.xsd |
| definingParty                            | PortfolioDefinition       | fpml-reconciliation-4-4.xsd |
| definition                               | TermPoint                 | fpml-mktenv-4-4.xsd         |
| definition                               | UnderlyingAsset           | fpml-asset-4-4.xsd          |
| definitionReference                      | SensitivitySet            | fpml-valuation-4-4.xsd      |
| delisting                                | ExtraordinaryEvents       | fpml-eq-shared-4-4.xsd      |
| deliverableObligations                   | CreditCurve               | fpml-mktenv-4-4.xsd         |
| deliverableObligations                   | PhysicalSettlementTerms   | fpml-cd-4-4.xsd             |



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|------------------------------|-----------------------------------|------------------------------|
| deltaCrossed                 | BrokerEquityOption                | fpml-eqd-4-4.xsd             |
| denominatorTerm              | DerivativeFormula                 | fpml-riskdef-4-4.xsd         |
| depositoryPartyReference     | SettlementInstruction             | fpml-shared-4-4.xsd          |
| derivativeFormula            | DerivativeCalculationProcedure    | fpml-riskdef-4-4.xsd         |
| description                  | IdentifiedAsset                   | fpml-asset-4-4.xsd           |
| description                  | PricingParameterDerivative        | fpml-riskdef-4-4.xsd         |
| description                  | Reason                            | fpml-msg-4-4.xsd             |
| designatedPriority           | Obligations                       | fpml-cd-4-4.xsd              |
| detail                       | ValuationSet                      | fpml-valuation-4-4.xsd       |
| determinationMethod          | Composite                         | fpml-option-shared-4-4.xsd   |
| determinationMethod          | DividendConditions                | fpml-shared-4-4.xsd          |
| determinationMethod          | LegAmount                         | fpml-eq-shared-4-4.xsd       |
| determinationMethod          | PaymentCurrency                   | fpml-shared-4-4.xsd          |
| determinationMethod          | Price                             | fpml-asset-4-4.xsd           |
| determinationMethod          | PrincipalExchangeAmount           | fpml-eq-shared-4-4.xsd       |
| determinationMethod          | ReturnSwapNotional                | fpml-eq-shared-4-4.xsd       |
| determiningPartyReference    | AdditionalDisruptionEvents        | fpml-eq-shared-4-4.xsd       |
| difference                   | PositionProposedMatch             | fpml-reconciliation-4-4.xsd  |
| difference                   | TradeCashflowsProposedMatch       | fpml-reconciliation-4-4.xsd  |
| differences                  | BestFitTrade                      | fpml-doc-4-4.xsd             |
| differences                  | TradeMatched                      | fpml-matching-status-4-4.xsd |
| differenceSeverity           | TradeDifference                   | fpml-doc-4-4.xsd             |
| differenceType               | TradeDifference                   | fpml-doc-4-4.xsd             |
| directLoanParticipation      | DeliverableObligations            | fpml-cd-4-4.xsd              |
| discountFactor               | Payment                           | fpml-shared-4-4.xsd          |
| discountFactor               | PaymentCalculationPeriod          | fpml-ird-4-4.xsd             |
| discountFactor               | Premium                           | fpml-option-shared-4-4.xsd   |
| discountFactor               | PrincipalExchange                 | fpml-ird-4-4.xsd             |
| discountFactorCurve          | YieldCurveValuation               | fpml-mktenv-4-4.xsd          |
| discounting                  | Calculation                       | fpml-ird-4-4.xsd             |
| discountingType              | Discounting                       | fpml-ird-4-4.xsd             |
| discountRate                 | Discounting                       | fpml-ird-4-4.xsd             |
| discountRateDayCountFraction | Discounting                       | fpml-ird-4-4.xsd             |
| discrepancyClause            | BondReference                     | fpml-ird-4-4.xsd             |
| distressedRatingsDowngrade   | CreditEvents                      | fpml-option-shared-4-4.xsd   |
| dividend                     | DividendPeriodDividend            | fpml-eq-shared-4-4.xsd       |
| dividendAdjustment           | OptionFeatures                    | fpml-eq-shared-4-4.xsd       |
| dividendAmount               | DividendConditions                | fpml-shared-4-4.xsd          |
| dividendConditions           | EquityDerivativeLongFormBase      | fpml-eqd-4-4.xsd             |
| dividendConditions           | Return                            | fpml-eq-shared-4-4.xsd       |
| dividendDateReference        | DividendPaymentDate               | fpml-shared-4-4.xsd          |
| dividendEntitlement          | DividendConditions                | fpml-shared-4-4.xsd          |
| dividendFxTriggerDate        | DividendConditions                | fpml-shared-4-4.xsd          |
| dividendLeg                  | DividendSwapTransactionSupplement | fpml-dividend-swaps-4-4.xsd  |
| dividendPayment              | DividendPayout                    | fpml-asset-4-4.xsd           |
| dividendPaymentDate          | DividendConditions                | fpml-shared-4-4.xsd          |
| dividendPayout               | BasketConstituent                 | fpml-asset-4-4.xsd           |
| dividendPayout               | SingleUnderlyer                   | fpml-asset-4-4.xsd           |
| dividendPayoutConditions     | DividendPayout                    | fpml-asset-4-4.xsd           |
| dividendPayoutRatio          | DividendPayout                    | fpml-asset-4-4.xsd           |
| dividendPeriod               | DividendAdjustment                | fpml-eq-shared-4-4.xsd       |
| dividendPeriod               | DividendConditions                | fpml-shared-4-4.xsd          |
| dividendPeriod               | DividendLeg                       | fpml-dividend-swaps-4-4.xsd  |
| dividendPeriodEffectiveDate  | DividendConditions                | fpml-shared-4-4.xsd          |
| dividendPeriodEndDate        | DividendConditions                | fpml-shared-4-4.xsd          |
| dividendReinvestment         | DividendConditions                | fpml-shared-4-4.xsd          |
| documentation                | Contract                          | fpml-doc-4-4.xsd             |

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|---------------------------|---------------------------------------|-----------------------------|
| documentation             | Trade                                 | fpml-doc-4-4.xsd            |
| drawdownEventType         | DrawdownNotice                        | fpml-loan-4-4.xsd           |
| drawdownPayment           | DrawdownNotice                        | fpml-loan-4-4.xsd           |
| earliestExerciseDateTenor | ExercisePeriod                        | fpml-ird-4-4.xsd            |
| earliestExerciseTime      | AmericanExercise                      | fpml-shared-4-4.xsd         |
| earliestExerciseTime      | BermudaExercise                       | fpml-shared-4-4.xsd         |
| earliestExerciseTime      | EuropeanExercise                      | fpml-shared-4-4.xsd         |
| earlyCallDate             | MakeWholeAmount                       | fpml-bond-option-4-4.xsd    |
| earlyTermination          | ReturnSwap                            | fpml-eq-shared-4-4.xsd      |
| earlyTerminationEvent     | OptionalEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| earlyTerminationProvision | CapFloor                              | fpml-ird-4-4.xsd            |
| earlyTerminationProvision | Swap                                  | fpml-ird-4-4.xsd            |
| effectiveDate             | AssetPool                             | fpml-asset-4-4.xsd          |
| effectiveDate             | CalculationPeriodDates                | fpml-ird-4-4.xsd            |
| effectiveDate             | ChangeContract                        | fpml-doc-4-4.xsd            |
| effectiveDate             | DeprecatedEquityLeg                   | fpml-return-swaps-4-4.xsd   |
| effectiveDate             | DirectionalLeg                        | fpml-eq-shared-4-4.xsd      |
| effectiveDate             | GeneralTerms                          | fpml-cd-4-4.xsd             |
| effectiveDate             | InterestLegCalculationPeriodDates     | fpml-eq-shared-4-4.xsd      |
| effectiveDate             | LoanContract                          | fpml-loan-4-4.xsd           |
| effectiveDate             | OneOffFeePayment                      | fpml-loan-4-4.xsd           |
| effectiveDate             | ReturnSwapLegUnderlyer                | fpml-eq-shared-4-4.xsd      |
| effectiveDate             | TradeDetails                          | fpml-reconciliation-4-4.xsd |
| effectiveDate             | VersionedContractId                   | fpml-doc-4-4.xsd            |
| effectiveDate             | VersionedTradeId                      | fpml-doc-4-4.xsd            |
| element                   | TradeDifference                       | fpml-doc-4-4.xsd            |
| encodedDescription        | LegAmount                             | fpml-eq-shared-4-4.xsd      |
| endDate                   | AveragingSchedule                     | fpml-option-shared-4-4.xsd  |
| endDate                   | FeeAccrualPeriod                      | fpml-loan-4-4.xsd           |
| endDate                   | FxTermsSchedule                       | fpml-loan-4-4.xsd           |
| endDate                   | InterestAccrualPeriod                 | fpml-loan-4-4.xsd           |
| endDate                   | InterestRatePeriod                    | fpml-loan-4-4.xsd           |
| endDate                   | LenderLoanContractPeriod              | fpml-loan-4-4.xsd           |
| endDate                   | LenderPositionPeriod                  | fpml-loan-4-4.xsd           |
| endDate                   | OnGoingFeePayment                     | fpml-loan-4-4.xsd           |
| endDate                   | PikPeriod                             | fpml-loan-4-4.xsd           |
| endDate                   | PricingStructureValuation             | fpml-riskdef-4-4.xsd        |
| endDate                   | RatePeriod                            | fpml-loan-4-4.xsd           |
| endTerm                   | SimpleFra                             | fpml-asset-4-4.xsd          |
| entitlementCurrency       | OptionBaseExtended                    | fpml-option-shared-4-4.xsd  |
| entityId                  | LegalEntity                           | fpml-shared-4-4.xsd         |
| entityId                  | LegalEntity                           | fpml-shared-4-4.xsd         |
| entityName                | LegalEntity                           | fpml-shared-4-4.xsd         |
| entityType                | ReferencePair                         | fpml-cd-4-4.xsd             |
| equityAmericanExercise    | EquityExerciseValuationSettlement     | fpml-eqd-4-4.xsd            |
| equityAmount              | DeprecatedEquityLeg                   | fpml-return-swaps-4-4.xsd   |
| equityAmount              | DeprecatedVarianceLeg                 | fpml-eq-shared-4-4.xsd      |
| equityBermudaExercise     | EquityExerciseValuationSettlement     | fpml-eqd-4-4.xsd            |
| equityEffectiveDate       | EquityDerivativeBase                  | fpml-eqd-4-4.xsd            |
| equityEuropeanExercise    | EquityExerciseValuationSettlement     | fpml-eqd-4-4.xsd            |
| equityExercise            | EquityDerivativeBase                  | fpml-eqd-4-4.xsd            |
| equityExpirationTime      | EquityAmericanExercise                | fpml-eqd-4-4.xsd            |
| equityExpirationTime      | EquityBermudaExercise                 | fpml-eqd-4-4.xsd            |
| equityExpirationTime      | EquityEuropeanExercise                | fpml-eqd-4-4.xsd            |
| equityExpirationTimeType  | EquityAmericanExercise                | fpml-eqd-4-4.xsd            |
| equityExpirationTimeType  | EquityBermudaExercise                 | fpml-eqd-4-4.xsd            |
| equityExpirationTimeType  | EquityEuropeanExercise                | fpml-eqd-4-4.xsd            |

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|-------------------------------|-----------------------------------|-----------------------------|
| equityFeatures                | EquityDerivativeLongFormBase      | fpml-eqd-4-4.xsd            |
| equityMultipleExercise        | EquityAmericanExercise            | fpml-eqd-4-4.xsd            |
| equityMultipleExercise        | EquityBermudaExercise             | fpml-eqd-4-4.xsd            |
| equityNotionalReset           | DeprecatedEquityLegValuation      | fpml-return-swaps-4-4.xsd   |
| equityPaymentDateFinal        | DeprecatedEquityPaymentDates      | fpml-return-swaps-4-4.xsd   |
| equityPaymentDates            | DeprecatedEquityLegValuation      | fpml-return-swaps-4-4.xsd   |
| equityPaymentDatesInterim     | DeprecatedEquityPaymentDates      | fpml-return-swaps-4-4.xsd   |
| equityPremium                 | EquityDerivativeShortFormBase     | fpml-eqd-4-4.xsd            |
| equityPremium                 | EquityOption                      | fpml-eqd-4-4.xsd            |
| equityValuation               | DeprecatedEquityLegValuationPrice | fpml-return-swaps-4-4.xsd   |
| equityValuation               | DeprecatedVarianceLeg             | fpml-eq-shared-4-4.xsd      |
| equityValuation               | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd            |
| escrow                        | PhysicalSettlementTerms           | fpml-cd-4-4.xsd             |
| eventId                       | Event                             | fpml-doc-4-4.xsd            |
| exceptionFlag                 | FacilityNotice                    | fpml-loan-4-4.xsd           |
| exceptionFlag                 | LoanContractNotice                | fpml-loan-4-4.xsd           |
| excessDividendAmount          | DividendConditions                | fpml-shared-4-4.xsd         |
| exchangedCurrency             | QuotableFxLeg                     | fpml-pretrade-4-4.xsd       |
| exchangedCurrency1            | FxLeg                             | fpml-fx-4-4.xsd             |
| exchangedCurrency2            | FxLeg                             | fpml-fx-4-4.xsd             |
| exchanged                     | BasicQuotation                    | fpml-asset-4-4.xsd          |
| exchanged                     | MultiDimensionalPricingData       | fpml-mktenv-4-4.xsd         |
| exchanged                     | PricingStructurePoint             | fpml-mktenv-4-4.xsd         |
| exchanged                     | Quotation                         | fpml-valuation-4-4.xsd      |
| exchanged                     | QuotationCharacteristics          | fpml-asset-4-4.xsd          |
| exchanged                     | UnderlyingAsset                   | fpml-asset-4-4.xsd          |
| exchangeLookAlike             | EquityOptionTransactionSupplement | fpml-eqd-4-4.xsd            |
| exchangeRate                  | FxLeg                             | fpml-fx-4-4.xsd             |
| exchangeRate                  | QuotableFxLeg                     | fpml-pretrade-4-4.xsd       |
| exchangeTradedContractNearest | DeprecatedVariance                | fpml-eq-shared-4-4.xsd      |
| exchangeTradedContractNearest | EquityOptionTransactionSupplement | fpml-eqd-4-4.xsd            |
| exchangeTradedContractNearest | ReturnLegValuation                | fpml-eq-shared-4-4.xsd      |
| exchangeTradedContractNearest | Variance                          | fpml-eq-shared-4-4.xsd      |
| excluded                      | DeliverableObligations            | fpml-cd-4-4.xsd             |
| excluded                      | Obligations                       | fpml-cd-4-4.xsd             |
| excludedReferenceEntity       | IndexReferenceInformation         | fpml-cd-4-4.xsd             |
| excludeSpecialDividends       | DividendLeg                       | fpml-dividend-swaps-4-4.xsd |
| executionDateTime             | PartyTradeInformation             | fpml-doc-4-4.xsd            |
| executor                      | TradeSide                         | fpml-doc-4-4.xsd            |
| exerciseEvent                 | SwaptionAdjustedDates             | fpml-ird-4-4.xsd            |
| exerciseFee                   | EuropeanExercise                  | fpml-shared-4-4.xsd         |
| exerciseFeeSchedule           | AmericanExercise                  | fpml-shared-4-4.xsd         |
| exerciseFeeSchedule           | BermudaExercise                   | fpml-shared-4-4.xsd         |
| exerciseFrequency             | ExercisePeriod                    | fpml-ird-4-4.xsd            |
| exerciseNotice                | CancelableProvision               | fpml-ird-4-4.xsd            |
| exerciseNotice                | ExtendibleProvision               | fpml-ird-4-4.xsd            |
| exerciseNotice                | ManualExercise                    | fpml-shared-4-4.xsd         |
| exerciseNotice                | OptionalEarlyTermination          | fpml-ird-4-4.xsd            |
| exerciseNoticePartyReference  | ExerciseNotice                    | fpml-shared-4-4.xsd         |
| exerciseProcedure             | OptionBaseExtended                | fpml-option-shared-4-4.xsd  |
| exerciseProcedure             | Swaption                          | fpml-ird-4-4.xsd            |
| exerciseStyle                 | FxAverageRateOption               | fpml-fx-4-4.xsd             |
| exerciseStyle                 | FxOptionLeg                       | fpml-fx-4-4.xsd             |
| exhaustionPoint               | Tranche                           | fpml-cd-4-4.xsd             |
| expectedN                     | CalculationFromObservation        | fpml-eq-shared-4-4.xsd      |
| expectedN                     | DeprecatedVariance                | fpml-eq-shared-4-4.xsd      |
| expiration                    | PricingDataPointCoordinate        | fpml-riskdef-4-4.xsd        |

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|-------------------------------------|----------------------------------|----------------------------|
| expirationDate                      | AmericanExercise                 | fpml-shared-4-4.xsd        |
| expirationDate                      | EquityEuropeanExercise           | fpml-eqd-4-4.xsd           |
| expirationDate                      | EuropeanExercise                 | fpml-shared-4-4.xsd        |
| expirationDate                      | ExchangeTradedContract           | fpml-asset-4-4.xsd         |
| expirationDate                      | SharedAmericanExercise           | fpml-shared-4-4.xsd        |
| expirationDateTwo                   | CalendarSpread                   | fpml-option-shared-4-4.xsd |
| expirationTime                      | AmericanExercise                 | fpml-shared-4-4.xsd        |
| expirationTime                      | BermudaExercise                  | fpml-shared-4-4.xsd        |
| expirationTime                      | EuropeanExercise                 | fpml-shared-4-4.xsd        |
| expiringLevel                       | CalculationFromObservation       | fpml-eq-shared-4-4.xsd     |
| expiringLevel                       | DeprecatedVariance               | fpml-eq-shared-4-4.xsd     |
| expiryDate                          | ExpiryDateTime                   | fpml-fx-4-4.xsd            |
| expiryDateTime                      | FxAverageRateOption              | fpml-fx-4-4.xsd            |
| expiryDateTime                      | FxDigitalOption                  | fpml-fx-4-4.xsd            |
| expiryDateTime                      | FxOptionLeg                      | fpml-fx-4-4.xsd            |
| expiryTime                          | BasicQuotation                   | fpml-asset-4-4.xsd         |
| expiryTime                          | ExpiryDateTime                   | fpml-fx-4-4.xsd            |
| expiryTime                          | MultiDimensionalPricingData      | fpml-mktenv-4-4.xsd        |
| expiryTime                          | PricingStructurePoint            | fpml-mktenv-4-4.xsd        |
| expiryTime                          | Quotation                        | fpml-valuation-4-4.xsd     |
| expiryTime                          | QuotationCharacteristics         | fpml-asset-4-4.xsd         |
| expiryTimestamp                     | NotificationMessageHeader        | fpml-msg-4-4.xsd           |
| expiryTimestamp                     | RequestMessageHeader             | fpml-msg-4-4.xsd           |
| expiryTimestamp                     | ResponseMessageHeader            | fpml-msg-4-4.xsd           |
| extendibleProvision                 | Swap                             | fpml-ird-4-4.xsd           |
| extendibleProvisionAdjustedDates    | ExtendibleProvision              | fpml-ird-4-4.xsd           |
| extensionEvent                      | ExtendibleProvisionAdjustedDates | fpml-ird-4-4.xsd           |
| extraElement                        | TradeDifference                  | fpml-doc-4-4.xsd           |
| extraOrdinaryDividends              | DividendConditions               | fpml-shared-4-4.xsd        |
| extraordinaryEvents                 | EquityDerivativeLongFormBase     | fpml-eqd-4-4.xsd           |
| extraordinaryEvents                 | NettedSwapBase                   | fpml-eq-shared-4-4.xsd     |
| extraordinaryEvents                 | ReturnSwap                       | fpml-eq-shared-4-4.xsd     |
| extrapolationPermitted              | TermCurve                        | fpml-mktenv-4-4.xsd        |
| faceAmount                          | Bond                             | fpml-asset-4-4.xsd         |
| faceOnCurrency                      | QuotedAs                         | fpml-fx-4-4.xsd            |
| facilityCommitmentPosition          | FacilityNotice                   | fpml-loan-4-4.xsd          |
| facilityCommitmentPosition          | LoanContractNotice               | fpml-loan-4-4.xsd          |
| facilityIdentifier                  | FacilityNotice                   | fpml-loan-4-4.xsd          |
| facilityIdentifier                  | LoanContractNotice               | fpml-loan-4-4.xsd          |
| facilityName                        | FacilityIdentifier               | fpml-loan-4-4.xsd          |
| facilityRepayment                   | Repayment                        | fpml-loan-4-4.xsd          |
| facilityType                        | Loan                             | fpml-asset-4-4.xsd         |
| failureToDeliver                    | AdditionalDisruptionEvents       | fpml-eq-shared-4-4.xsd     |
| failureToDeliver                    | ExtraordinaryEvents              | fpml-eq-shared-4-4.xsd     |
| failureToPay                        | CreditEvents                     | fpml-option-shared-4-4.xsd |
| failureToPayInterest                | CreditEvents                     | fpml-option-shared-4-4.xsd |
| failureToPayPrincipal               | CreditEvents                     | fpml-option-shared-4-4.xsd |
| failureToPayPrincipal               | FloatingAmountEvents             | fpml-cd-4-4.xsd            |
| fallbackBondApplicable              | InflationRateCalculation         | fpml-ird-4-4.xsd           |
| fallbackExercise                    | ManualExercise                   | fpml-shared-4-4.xsd        |
| fallbackReferencePrice              | PriceSourceDisruption            | fpml-ird-4-4.xsd           |
| fallbackSettlementRateOption        | FallbackReferencePrice           | fpml-ird-4-4.xsd           |
| fallbackSurveyValuationPostponement | FallbackReferencePrice           | fpml-ird-4-4.xsd           |
| feature                             | EquityDerivativeBase             | fpml-eqd-4-4.xsd           |
| feature                             | OptionBaseExtended               | fpml-option-shared-4-4.xsd |
| featurePayment                      | TriggerEvent                     | fpml-option-shared-4-4.xsd |
| featurePaymentDate                  | FeaturePayment                   | fpml-option-shared-4-4.xsd |

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|--------------------------------------|-----------------------------------|-----------------------------|
| feeAccrualPeriod                     | FeeAccrualSchedule                | fpml-loan-4-4.xsd           |
| feeAccrualSchedule                   | OnGoingFeeNotice                  | fpml-loan-4-4.xsd           |
| feeAmount                            | ExerciseFee                       | fpml-shared-4-4.xsd         |
| feeAmountSchedule                    | ExerciseFeeSchedule               | fpml-shared-4-4.xsd         |
| feeDayBasis                          | OnGoingFeePayment                 | fpml-loan-4-4.xsd           |
| feeLeg                               | CreditDefaultSwap                 | fpml-cd-4-4.xsd             |
| feePayment                           | OneOffFeeNotice                   | fpml-loan-4-4.xsd           |
| feePayment                           | OnGoingFeeNotice                  | fpml-loan-4-4.xsd           |
| feePaymentDate                       | ExerciseFee                       | fpml-shared-4-4.xsd         |
| feePaymentDate                       | ExerciseFeeSchedule               | fpml-shared-4-4.xsd         |
| feeRate                              | ExerciseFee                       | fpml-shared-4-4.xsd         |
| feeRatePeriod                        | FeeAccrualSchedule                | fpml-loan-4-4.xsd           |
| feeRateSchedule                      | ExerciseFeeSchedule               | fpml-shared-4-4.xsd         |
| feeType                              | OneOffFeePayment                  | fpml-loan-4-4.xsd           |
| feeType                              | OnGoingFeePayment                 | fpml-loan-4-4.xsd           |
| finalCalculationPeriodDateAdjustment | CancelableProvision               | fpml-ird-4-4.xsd            |
| finalExchange                        | PrincipalExchanges                | fpml-shared-4-4.xsd         |
| finalRateRounding                    | FloatingRateCalculation           | fpml-shared-4-4.xsd         |
| finalStub                            | StubCalculationPeriod             | fpml-eq-shared-4-4.xsd      |
| finalStub                            | StubCalculationPeriod             | fpml-eq-shared-4-4.xsd      |
| finalStub                            | StubCalculationPeriodAmount       | fpml-ird-4-4.xsd            |
| finalStub                            | StubCalculationPeriodAmount       | fpml-ird-4-4.xsd            |
| firstCompoundingPeriodEndDate        | CalculationPeriodDates            | fpml-ird-4-4.xsd            |
| firstNotionalStepDate                | NotionalStepRule                  | fpml-ird-4-4.xsd            |
| firstPaymentDate                     | PaymentDates                      | fpml-ird-4-4.xsd            |
| firstPaymentDate                     | PeriodicPayment                   | fpml-cd-4-4.xsd             |
| firstPeriodStartDate                 | CalculationPeriodDates            | fpml-ird-4-4.xsd            |
| firstPeriodStartDate                 | ContractNovation                  | fpml-doc-4-4.xsd            |
| firstPeriodStartDate                 | Novation                          | fpml-posttrade-4-4.xsd      |
| firstPeriodStartDate                 | PeriodicPayment                   | fpml-cd-4-4.xsd             |
| firstRegularPeriodStartDate          | CalculationPeriodDates            | fpml-ird-4-4.xsd            |
| fixedAmount                          | PeriodicPayment                   | fpml-cd-4-4.xsd             |
| fixedAmount                          | SinglePayment                     | fpml-cd-4-4.xsd             |
| fixedAmountCalculation               | PeriodicPayment                   | fpml-cd-4-4.xsd             |
| fixedLeg                             | DividendSwapTransactionSupplement | fpml-dividend-swaps-4-4.xsd |
| fixedPayment                         | FixedPaymentLeg                   | fpml-dividend-swaps-4-4.xsd |
| fixedPaymentAmount                   | PaymentCalculationPeriod          | fpml-ird-4-4.xsd            |
| fixedRate                            | CalculationPeriod                 | fpml-ird-4-4.xsd            |
| fixedRate                            | FixedAmountCalculation            | fpml-cd-4-4.xsd             |
| fixedRate                            | Fra                               | fpml-ird-4-4.xsd            |
| fixedRate                            | InterestAccrualsMethod            | fpml-shared-4-4.xsd         |
| fixedRate                            | TermDeposit                       | fpml-fx-4-4.xsd             |
| fixedRate                            | TradeUnderlyer                    | fpml-reconciliation-4-4.xsd |
| fixedRateSchedule                    | Calculation                       | fpml-ird-4-4.xsd            |
| fixedRateStepReference               | CashflowCalculationPeriod         | fpml-reconciliation-4-4.xsd |
| fixedStrike                          | DividendPeriodPayment             | fpml-dividend-swaps-4-4.xsd |
| fixing                               | FxCashSettlement                  | fpml-shared-4-4.xsd         |
| fixingDate                           | FxFixing                          | fpml-shared-4-4.xsd         |
| fixingDate                           | FxTerms                           | fpml-loan-4-4.xsd           |
| fixingDateOffset                     | Fra                               | fpml-ird-4-4.xsd            |
| fixingDates                          | InterestLegResetDates             | fpml-eq-shared-4-4.xsd      |
| fixingDates                          | ResetDates                        | fpml-ird-4-4.xsd            |
| fixingTime                           | FxAverageRateOption               | fpml-fx-4-4.xsd             |
| fixingTime                           | FxSpotRateSource                  | fpml-shared-4-4.xsd         |
| floatingAmountEvents                 | ProtectionTerms                   | fpml-cd-4-4.xsd             |
| floatingAmountProvisions             | FloatingAmountEvents              | fpml-cd-4-4.xsd             |
| floatingRate                         | StubValue                         | fpml-shared-4-4.xsd         |

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|--------------------------------|--------------------------|-----------------------------|
| floatingRate                   | TradeUnderlyer           | fpml-reconciliation-4-4.xsd |
| floatingRateCalculation        | InterestAccrualsMethod   | fpml-shared-4-4.xsd         |
| floatingRateDefinition         | CalculationPeriod        | fpml-ird-4-4.xsd            |
| floatingRateIndex              | FloatingRate             | fpml-shared-4-4.xsd         |
| floatingRateIndex              | ForecastRateIndex        | fpml-shared-4-4.xsd         |
| floatingRateIndex              | Fra                      | fpml-ird-4-4.xsd            |
| floatingRateIndex              | InterestRatePeriod       | fpml-loan-4-4.xsd           |
| floatingRateIndex              | RateIndex                | fpml-asset-4-4.xsd          |
| floatingRateIndex              | SwapCurveValuation       | fpml-bond-option-4-4.xsd    |
| floatingRateMultiplier         | FloatingRateDefinition   | fpml-ird-4-4.xsd            |
| floatingRateMultiplierSchedule | FloatingRate             | fpml-shared-4-4.xsd         |
| floorRate                      | FloatingRateDefinition   | fpml-ird-4-4.xsd            |
| floorRateSchedule              | FloatingRate             | fpml-shared-4-4.xsd         |
| floorValue                     | CashflowFixing           | fpml-reconciliation-4-4.xsd |
| followUpConfirmation           | CancelableProvision      | fpml-ird-4-4.xsd            |
| followUpConfirmation           | ExerciseProcedure        | fpml-shared-4-4.xsd         |
| followUpConfirmation           | ExtendibleProvision      | fpml-ird-4-4.xsd            |
| followUpConfirmation           | OptionalEarlyTermination | fpml-ird-4-4.xsd            |
| forceMatch                     | DefinePosition           | fpml-reconciliation-4-4.xsd |
| forecastAmount                 | CalculationPeriod        | fpml-ird-4-4.xsd            |
| forecastCurrencyYieldCurve     | FxCurveValuation         | fpml-mktenv-4-4.xsd         |
| forecastPaymentAmount          | PaymentCalculationPeriod | fpml-ird-4-4.xsd            |
| forecastRate                   | CalculationPeriod        | fpml-ird-4-4.xsd            |
| forecastRate                   | RateObservation          | fpml-shared-4-4.xsd         |
| forecastRateIndex              | YieldCurve               | fpml-mktenv-4-4.xsd         |
| formula                        | AdditionalPaymentAmount  | fpml-eq-shared-4-4.xsd      |
| formula                        | FormulaComponent         | fpml-shared-4-4.xsd         |
| formula                        | InterestRateStream       | fpml-ird-4-4.xsd            |
| formula                        | LegAmount                | fpml-eq-shared-4-4.xsd      |
| formula                        | SensitivityDefinition    | fpml-riskdef-4-4.xsd        |
| formulaComponent               | Formula                  | fpml-shared-4-4.xsd         |
| formulaDescription             | Formula                  | fpml-shared-4-4.xsd         |
| forwardCurve                   | YieldCurveValuation      | fpml-mktenv-4-4.xsd         |
| forwardPoints                  | ExchangeRate             | fpml-fx-4-4.xsd             |
| forwardPoints                  | SideRate                 | fpml-fx-4-4.xsd             |
| forwardPrice                   | EquityForward            | fpml-eqd-4-4.xsd            |
| fraDiscounting                 | Fra                      | fpml-ird-4-4.xsd            |
| frequency                      | AveragingSchedule        | fpml-option-shared-4-4.xsd  |
| frequencyType                  | AveragingSchedule        | fpml-option-shared-4-4.xsd  |
| full                           | Termination              | fpml-posttrade-4-4.xsd      |
| fullFaithAndCreditObLiability  | DeliverableObligations   | fpml-cd-4-4.xsd             |
| fullFaithAndCreditObLiability  | Obligations              | fpml-cd-4-4.xsd             |
| fullFirstCalculationPeriod     | ContractNovation         | fpml-doc-4-4.xsd            |
| fullFirstCalculationPeriod     | Novation                 | fpml-posttrade-4-4.xsd      |
| fundManager                    | ExchangeTradedFund       | fpml-asset-4-4.xsd          |
| fundManager                    | MutualFund               | fpml-asset-4-4.xsd          |
| futureContractReference        | Future                   | fpml-asset-4-4.xsd          |
| futureId                       | Index                    | fpml-asset-4-4.xsd          |
| futuresPriceValuation          | EquityValuation          | fpml-eq-shared-4-4.xsd      |
| fxAmericanTrigger              | FxDigitalOption          | fpml-fx-4-4.xsd             |
| fxBarrier                      | FxBarrierOption          | fpml-fx-4-4.xsd             |
| fxBarrierType                  | FxBarrier                | fpml-fx-4-4.xsd             |
| fxConversion                   | Price                    | fpml-asset-4-4.xsd          |
| fxEuropeanTrigger              | FxDigitalOption          | fpml-fx-4-4.xsd             |
| fxFeature                      | DeprecatedEquityLeg      | fpml-return-swaps-4-4.xsd   |
| fxFeature                      | DeprecatedVariance       | fpml-eq-shared-4-4.xsd      |
| fxFeature                      | DirectionalLegUnderlyer  | fpml-eq-shared-4-4.xsd      |

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| fxFeature                      | EquityDerivativeBase        | fpml-eqd-4-4.xsd                    |
| fxFeature                      | OptionFeature               | fpml-option-shared-4-4.xsd          |
| fxFeature                      | ReturnLeg                   | fpml-eq-shared-4-4.xsd              |
| fxFixingDate                   | NonDeliverableSettlement    | fpml-ird-4-4.xsd                    |
| fxForwardCurve                 | FxCurveValuation            | fpml-mktenv-4-4.xsd                 |
| fxForwardPointsCurve           | FxCurveValuation            | fpml-mktenv-4-4.xsd                 |
| fxLinkedNotionalAmount         | CalculationPeriod           | fpml-ird-4-4.xsd                    |
| fxLinkedNotionalSchedule       | Calculation                 | fpml-ird-4-4.xsd                    |
| fxOptionPremium                | FxAverageRateOption         | fpml-fx-4-4.xsd                     |
| fxOptionPremium                | FxDigitalOption             | fpml-fx-4-4.xsd                     |
| fxOptionPremium                | FxOptionLeg                 | fpml-fx-4-4.xsd                     |
| fxRate                         | AssetValuation              | fpml-valuation-4-4.xsd              |
| fxRate                         | Commission                  | fpml-asset-4-4.xsd                  |
| fxRate                         | FxConversion                | fpml-asset-4-4.xsd                  |
| fxRate                         | FxTerms                     | fpml-loan-4-4.xsd                   |
| fxRate                         | Quanto                      | fpml-option-shared-4-4.xsd          |
| fxSpotRateSource               | Composite                   | fpml-option-shared-4-4.xsd          |
| fxSpotRateSource               | FxLinkedNotionalSchedule    | fpml-ird-4-4.xsd                    |
| fxSpotRateSource               | Quanto                      | fpml-option-shared-4-4.xsd          |
| fxStrikePrice                  | FxAverageRateOption         | fpml-fx-4-4.xsd                     |
| fxStrikePrice                  | FxOptionLeg                 | fpml-fx-4-4.xsd                     |
| fxTerms                        | FxTermsSchedule             | fpml-loan-4-4.xsd                   |
| fxTermsSchedule                | LoanContract                | fpml-loan-4-4.xsd                   |
| generalFundObligationLiability | DeliverableObligations      | fpml-cd-4-4.xsd                     |
| generalFundObligationLiability | Obligations                 | fpml-cd-4-4.xsd                     |
| generalTerms                   | CreditDefaultSwap           | fpml-cd-4-4.xsd                     |
| generic                        | PricingDataPointCoordinate  | fpml-riskdef-4-4.xsd                |
| globalAmount                   | ParticipationAmount         | fpml-loan-4-4.xsd                   |
| governingLaw                   | Contract                    | fpml-doc-4-4.xsd                    |
| governingLaw                   | Trade                       | fpml-doc-4-4.xsd                    |
| gracePeriod                    | GracePeriodExtension        | fpml-option-shared-4-4.xsd          |
| gracePeriodExtension           | FailureToPay                | fpml-option-shared-4-4.xsd          |
| grossCashflow                  | CalculationDetails          | fpml-reconciliation-4-4.xsd         |
| grossPrice                     | Price                       | fpml-asset-4-4.xsd                  |
| guarantor                      | ReferenceObligation         | fpml-cd-4-4.xsd                     |
| guarantorReference             | ReferenceObligation         | fpml-cd-4-4.xsd                     |
| header                         | Contract                    | fpml-doc-4-4.xsd                    |
| header                         | NotificationMessage         | fpml-msg-4-4.xsd                    |
| header                         | RequestMessage              | fpml-msg-4-4.xsd                    |
| header                         | ResponseMessage             | fpml-msg-4-4.xsd                    |
| hedgingDisruption              | AdditionalDisruptionEvents  | fpml-eq-shared-4-4.xsd              |
| hourMinuteTime                 | BusinessCenterTime          | fpml-shared-4-4.xsd                 |
| identifier                     | ContractHeader              | fpml-doc-4-4.xsd                    |
| identifier                     | ContractReference           | fpml-doc-4-4.xsd                    |
| identifier                     | LoanContractIdentifier      | fpml-loan-4-4.xsd                   |
| identifier                     | PaymentMatching             | fpml-reconciliation-4-4.xsd         |
| increase                       | ContractIncreased           | fpml-contract-notification-4-4.xsd  |
| increase                       | ContractIncreasedCancelled  | fpml-contract-notification-4-4.xsd  |
| increase                       | IncreaseConfirmed           | fpml-posttrade-confirmation-4-4.xsd |
| increase                       | RequestIncreaseConfirmation | fpml-posttrade-confirmation-4-4.xsd |
| increase                       | TradeIncreaseRequest        | fpml-posttrade-negotiation-4-4.xsd  |
| increase                       | TradeIncreaseResponse       | fpml-posttrade-negotiation-4-4.xsd  |
| increasedCostOfHedging         | AdditionalDisruptionEvents  | fpml-eq-shared-4-4.xsd              |
| increasedCostOfStockBorrow     | AdditionalDisruptionEvents  | fpml-eq-shared-4-4.xsd              |
| increaseEffectiveDate          | Increase                    | fpml-doc-4-4.xsd                    |
| increaseInNotionalAmount       | Increase                    | fpml-doc-4-4.xsd                    |
| increaseInNumberOfOptions      | Increase                    | fpml-doc-4-4.xsd                    |

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|----------------------------|------------------------------|---------------------------|
| increaseTradeDate          | Increase                     | fpml-doc-4-4.xsd          |
| incurredRecoveryApplicable | Tranche                      | fpml-cd-4-4.xsd           |
| independentAmount          | Collateral                   | fpml-doc-4-4.xsd          |
| indexAdjustmentEvents      | ExtraordinaryEvents          | fpml-eq-shared-4-4.xsd    |
| indexAnnexDate             | IndexReferenceInformation    | fpml-cd-4-4.xsd           |
| indexAnnexSource           | IndexReferenceInformation    | fpml-cd-4-4.xsd           |
| indexAnnexVersion          | IndexReferenceInformation    | fpml-cd-4-4.xsd           |
| indexCancellation          | IndexAdjustmentEvents        | fpml-eq-shared-4-4.xsd    |
| indexDisclaimer            | Representations              | fpml-eq-shared-4-4.xsd    |
| indexDisruption            | IndexAdjustmentEvents        | fpml-eq-shared-4-4.xsd    |
| indexId                    | IndexReferenceInformation    | fpml-cd-4-4.xsd           |
| indexId                    | IndexReferenceInformation    | fpml-cd-4-4.xsd           |
| indexModification          | IndexAdjustmentEvents        | fpml-eq-shared-4-4.xsd    |
| indexName                  | IndexReferenceInformation    | fpml-cd-4-4.xsd           |
| indexReferenceInformation  | GeneralTerms                 | fpml-cd-4-4.xsd           |
| indexSeries                | IndexReferenceInformation    | fpml-cd-4-4.xsd           |
| indexSource                | InflationRateCalculation     | fpml-ird-4-4.xsd          |
| indexTenor                 | FloatingRate                 | fpml-shared-4-4.xsd       |
| indexTenor                 | ForecastRateIndex            | fpml-shared-4-4.xsd       |
| indexTenor                 | Fra                          | fpml-ird-4-4.xsd          |
| indexTenor                 | InterestRatePeriod           | fpml-loan-4-4.xsd         |
| indexTenor                 | SwapCurveValuation           | fpml-bond-option-4-4.xsd  |
| indirectLoanParticipation  | DeliverableObligations       | fpml-cd-4-4.xsd           |
| inflationLag               | InflationRateCalculation     | fpml-ird-4-4.xsd          |
| information                | ContractHeader               | fpml-doc-4-4.xsd          |
| informationSource          | BasicQuotation               | fpml-asset-4-4.xsd        |
| informationSource          | FxAmericanTrigger            | fpml-fx-4-4.xsd           |
| informationSource          | FxBarrier                    | fpml-fx-4-4.xsd           |
| informationSource          | FxEuropeanTrigger            | fpml-fx-4-4.xsd           |
| informationSource          | MultiDimensionalPricingData  | fpml-mktenv-4-4.xsd       |
| informationSource          | PricingStructurePoint        | fpml-mktenv-4-4.xsd       |
| informationSource          | Quotation                    | fpml-valuation-4-4.xsd    |
| informationSource          | QuotationCharacteristics     | fpml-asset-4-4.xsd        |
| informationSource          | SettlementRateSource         | fpml-shared-4-4.xsd       |
| initialExchange            | PrincipalExchanges           | fpml-shared-4-4.xsd       |
| initialFactor              | AssetPool                    | fpml-asset-4-4.xsd        |
| initialFee                 | CancelableProvision          | fpml-ird-4-4.xsd          |
| initialFixingDate          | InterestLegResetDates        | fpml-eq-shared-4-4.xsd    |
| initialFixingDate          | ResetDates                   | fpml-ird-4-4.xsd          |
| initialIndexLevel          | InflationRateCalculation     | fpml-ird-4-4.xsd          |
| initialLevel               | CalculationFromObservation   | fpml-eq-shared-4-4.xsd    |
| initialLevel               | DeprecatedVariance           | fpml-eq-shared-4-4.xsd    |
| initialPayerReference      | TermDeposit                  | fpml-fx-4-4.xsd           |
| initialPayment             | FeeLeg                       | fpml-cd-4-4.xsd           |
| initialPrice               | DeprecatedEquityLegValuation | fpml-return-swaps-4-4.xsd |
| initialPrice               | ReturnLegValuation           | fpml-eq-shared-4-4.xsd    |
| initialRate                | FloatingRateCalculation      | fpml-shared-4-4.xsd       |
| initialReceiverReference   | TermDeposit                  | fpml-fx-4-4.xsd           |
| initialStub                | StubCalculationPeriod        | fpml-eq-shared-4-4.xsd    |
| initialStub                | StubCalculationPeriodAmount  | fpml-ird-4-4.xsd          |
| initialValue               | FxLinkedNotionalSchedule     | fpml-ird-4-4.xsd          |
| initialValue               | Schedule                     | fpml-shared-4-4.xsd       |
| inputDataDate              | PricingStructureValuation    | fpml-riskdef-4-4.xsd      |
| inputDateReference         | PricingParameterDerivative   | fpml-riskdef-4-4.xsd      |
| inputs                     | CreditCurveValuation         | fpml-mktenv-4-4.xsd       |
| inputs                     | YieldCurveValuation          | fpml-mktenv-4-4.xsd       |
| inputUnits                 | ParametricAdjustment         | fpml-mktenv-4-4.xsd       |



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| inReplyTo                         | NotificationMessageHeader         | fpml-msg-4-4.xsd                       |
| inReplyTo                         | ResponseMessageHeader             | fpml-msg-4-4.xsd                       |
| insolvencyFiling                  | AdditionalDisruptionEvents        | fpml-eq-shared-4-4.xsd                 |
| instrumentId                      | IdentifiedAsset                   | fpml-asset-4-4.xsd                     |
| instrumentSet                     | QuotedAssetSet                    | fpml-riskdef-4-4.xsd                   |
| insurer                           | Mortgage                          | fpml-asset-4-4.xsd                     |
| insurerReference                  | Mortgage                          | fpml-asset-4-4.xsd                     |
| integralMultipleAmount            | MultipleExercise                  | fpml-shared-4-4.xsd                    |
| integralMultipleAmount            | PartialExercise                   | fpml-shared-4-4.xsd                    |
| integralMultipleExercise          | EquityMultipleExercise            | fpml-eqd-4-4.xsd                       |
| interest                          | TermDeposit                       | fpml-fx-4-4.xsd                        |
| interestAccrualPeriod             | InterestAccrualSchedule           | fpml-loan-4-4.xsd                      |
| interestAccrualSchedule           | InterestPaymentNotice             | fpml-loan-4-4.xsd                      |
| interestAccrualsMethod            | DividendConditions                | fpml-shared-4-4.xsd                    |
| interestAmount                    | InterestLeg                       | fpml-eq-shared-4-4.xsd                 |
| interestCalculation               | InterestLeg                       | fpml-eq-shared-4-4.xsd                 |
| interestDayBasis                  | InterestRatePeriod                | fpml-loan-4-4.xsd                      |
| interestLegCalculationPeriodDates | InterestLeg                       | fpml-eq-shared-4-4.xsd                 |
| interestLegPaymentDates           | InterestLegCalculationPeriodDates | fpml-eq-shared-4-4.xsd                 |
| interestLegRate                   | CompoundingRate                   | fpml-eq-shared-4-4.xsd                 |
| interestLegResetDates             | InterestLegCalculationPeriodDates | fpml-eq-shared-4-4.xsd                 |
| interestPaidWithRepayment         | LoanContractRepayment             | fpml-loan-4-4.xsd                      |
| interestPayment                   | InterestPaymentNotice             | fpml-loan-4-4.xsd                      |
| interestPaymentTenor              | LoanContract                      | fpml-loan-4-4.xsd                      |
| interestRate                      | InterestRatePeriod                | fpml-loan-4-4.xsd                      |
| interestRatePeriod                | InterestAccrualSchedule           | fpml-loan-4-4.xsd                      |
| interestShortfall                 | FloatingAmountEvents              | fpml-cd-4-4.xsd                        |
| interestShortfallCap              | InterestShortFall                 | fpml-cd-4-4.xsd                        |
| interestShortfallReimbursement    | AdditionalFixedPayments           | fpml-cd-4-4.xsd                        |
| intermediaryInformation           | SettlementInstruction             | fpml-shared-4-4.xsd                    |
| intermediaryPartyReference        | IntermediaryInformation           | fpml-shared-4-4.xsd                    |
| intermediarySequenceNumber        | IntermediaryInformation           | fpml-shared-4-4.xsd                    |
| intermediateExchange              | PrincipalExchanges                | fpml-shared-4-4.xsd                    |
| interpolationMethod               | InflationRateCalculation          | fpml-ird-4-4.xsd                       |
| interpolationMethod               | MakeWholeAmount                   | fpml-bond-option-4-4.xsd               |
| interpolationMethod               | TermCurve                         | fpml-mktenv-4-4.xsd                    |
| introducer                        | TradeSide                         | fpml-doc-4-4.xsd                       |
| issuerName                        | Bond                              | fpml-asset-4-4.xsd                     |
| issuerName                        | Mortgage                          | fpml-asset-4-4.xsd                     |
| issuerPartyReference              | Bond                              | fpml-asset-4-4.xsd                     |
| issuerPartyReference              | Mortgage                          | fpml-asset-4-4.xsd                     |
| knock                             | OptionFeature                     | fpml-option-shared-4-4.xsd             |
| knock                             | OptionFeatures                    | fpml-eq-shared-4-4.xsd                 |
| knockIn                           | Knock                             | fpml-option-shared-4-4.xsd             |
| knockOut                          | Knock                             | fpml-option-shared-4-4.xsd             |
| knownAmountSchedule               | CalculationPeriodAmount           | fpml-ird-4-4.xsd                       |
| language                          | Resource                          | fpml-credit-event-notification-4-4.xsd |
| lastNotionalStepDate              | NotionalStepRule                  | fpml-ird-4-4.xsd                       |
| lastRegularPaymentDate            | PaymentDates                      | fpml-ird-4-4.xsd                       |
| lastRegularPaymentDate            | PeriodicPayment                   | fpml-cd-4-4.xsd                        |
| lastRegularPeriodEndDate          | CalculationPeriodDates            | fpml-ird-4-4.xsd                       |
| latestExerciseTime                | AmericanExercise                  | fpml-shared-4-4.xsd                    |
| latestExerciseTime                | BermudaExercise                   | fpml-shared-4-4.xsd                    |
| latestExerciseTime                | SharedAmericanExercise            | fpml-shared-4-4.xsd                    |
| latestExerciseTimeType            | EquityAmericanExercise            | fpml-eqd-4-4.xsd                       |
| latestExerciseTimeType            | EquityBermudaExercise             | fpml-eqd-4-4.xsd                       |
| lenderCommitmentPeriod            | FeeAccrualSchedule                | fpml-loan-4-4.xsd                      |

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| lenderLoanContractPeriod               | InterestAccrualSchedule           | fpml-loan-4-4.xsd                      |  |
| lenderPartyReference                   | FacilityNotice                    | fpml-loan-4-4.xsd                      |  |
| lenderPartyReference                   | LoanContractNotice                | fpml-loan-4-4.xsd                      |  |
| lenderUnutilizedPeriod                 | FeeAccrualSchedule                | fpml-loan-4-4.xsd                      |  |
| lenderUtilizationPeriod                | FeeAccrualSchedule                | fpml-loan-4-4.xsd                      |  |
| length                                 | Resource                          | fpml-credit-event-notification-4-4.xsd |  |
| lengthUnit                             | ResourceLength                    | fpml-credit-event-notification-4-4.xsd |  |
| lengthValue                            | ResourceLength                    | fpml-credit-event-notification-4-4.xsd |  |
| level                                  | Trigger                           | fpml-option-shared-4-4.xsd             |  |
| levelPercentage                        | FeaturePayment                    | fpml-option-shared-4-4.xsd             |  |
| levelPercentage                        | Trigger                           | fpml-option-shared-4-4.xsd             |  |
| lien                                   | Loan                              | fpml-asset-4-4.xsd                     |  |
| limitedRightToConfirm                  | ExerciseProcedure                 | fpml-shared-4-4.xsd                    |  |
| linkId                                 | PartyTradeIdentifier              | fpml-doc-4-4.xsd                       |  |
| listed                                 | DeliverableObligations            | fpml-cd-4-4.xsd                        |  |
| listed                                 | Obligations                       | fpml-cd-4-4.xsd                        |  |
| loanContract                           | LoanContractNotice                | fpml-loan-4-4.xsd                      |  |
| loanContractIdentifier                 | LoanContract                      | fpml-loan-4-4.xsd                      |  |
| loanContractIdentifier                 | LoanContractNotice                | fpml-loan-4-4.xsd                      |  |
| loanContractIdentifier                 | LoanContractPosition              | fpml-loan-4-4.xsd                      |  |
| loanContractIdentifier                 | LoanContractRepayment             | fpml-loan-4-4.xsd                      |  |
| loanContractIdentifier                 | OneOffFeeNotice                   | fpml-loan-4-4.xsd                      |  |
| loanContractPosition                   | FacilityCommitmentPosition        | fpml-loan-4-4.xsd                      |  |
| loanContractRepayment                  | Repayment                         | fpml-loan-4-4.xsd                      |  |
| localJurisdiction                      | EquityOptionTransactionSupplement | fpml-eqd-4-4.xsd                       |  |
| localJurisdiction                      | EquitySwapTransactionSupplement   | fpml-return-swaps-4-4.xsd              |  |
| location                               | Reason                            | fpml-msg-4-4.xsd                       |  |
| lossOfStockBorrow                      | AdditionalDisruptionEvents        | fpml-eq-shared-4-4.xsd                 |  |
| lowerBarrier                           | BoundedVariance                   | fpml-eq-shared-4-4.xsd                 |  |
| mainPublication                        | InflationRateCalculation          | fpml-ird-4-4.xsd                       |  |
| makeWholeAmount                        | ReferenceSwapCurve                | fpml-bond-option-4-4.xsd               |  |
| makeWholeDate                          | MakeWholeProvisions               | fpml-eq-shared-4-4.xsd                 |  |
| makeWholeProvisions                    | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd                       |  |
| mandatoryCostRate                      | InterestRatePeriod                | fpml-loan-4-4.xsd                      |  |
| mandatoryEarlyTermination              | EarlyTerminationProvision         | fpml-ird-4-4.xsd                       |  |
| mandatoryEarlyTermination              | EarlyTerminationProvision         | fpml-ird-4-4.xsd                       |  |
| mandatoryEarlyTerminationAdjustedDates | MandatoryEarlyTermination         | fpml-ird-4-4.xsd                       |  |
| mandatoryEarlyTerminationDate          | MandatoryEarlyTermination         | fpml-ird-4-4.xsd                       |  |
| mandatoryEarlyTerminationDateTenor     | EarlyTerminationProvision         | fpml-ird-4-4.xsd                       |  |
| manualExercise                         | ExerciseProcedure                 | fpml-shared-4-4.xsd                    |  |
| margin                                 | InterestRatePeriod                | fpml-loan-4-4.xsd                      |  |
| marketDisruption                       | AveragingPeriod                   | fpml-option-shared-4-4.xsd             |  |
| marketFixedRate                        | FeeLeg                            | fpml-cd-4-4.xsd                        |  |
| marketReference                        | DerivedValuationScenario          | fpml-valuation-4-4.xsd                 |  |
| marketReference                        | ValuationScenario                 | fpml-riskdef-4-4.xsd                   |  |
| masterAgreement                        | Documentation                     | fpml-shared-4-4.xsd                    |  |
| masterAgreementDate                    | MasterAgreement                   | fpml-shared-4-4.xsd                    |  |
| masterAgreementType                    | MasterAgreement                   | fpml-shared-4-4.xsd                    |  |
| masterConfirmation                     | Documentation                     | fpml-shared-4-4.xsd                    |  |
| masterConfirmationAnnexDate            | MasterConfirmation                | fpml-shared-4-4.xsd                    |  |
| masterConfirmationDate                 | Allocation                        | fpml-doc-4-4.xsd                       |  |
| masterConfirmationDate                 | MasterConfirmation                | fpml-shared-4-4.xsd                    |  |
| masterConfirmationType                 | MasterConfirmation                | fpml-shared-4-4.xsd                    |  |
| matchCompleted                         | PositionsMatchResults             | fpml-reconciliation-4-4.xsd            |  |
| matchId                                | CancelTradeCashflows              | fpml-reconciliation-4-4.xsd            |  |
| matchId                                | PositionProposedMatch             | fpml-reconciliation-4-4.xsd            |  |
| matchId                                | TradeCashflowsAsserted            | fpml-reconciliation-4-4.xsd            |  |

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|------------------------------------|-----------------------------------|--|
| matchId                            | TradeCashflowsProposedMatch       | fpml-reconciliation-4-4.xsd            |
| matchingParty                      | PortfolioDefinition               | fpml-reconciliation-4-4.xsd            |
| math                               | Formula                           | fpml-shared-4-4.xsd                    |
| matrixSource                       | SettledEntityMatrix               | fpml-cd-4-4.xsd                        |
| matrixTerm                         | ContractualMatrix                 | fpml-shared-4-4.xsd                    |
| matrixType                         | ContractualMatrix                 | fpml-shared-4-4.xsd                    |
| maturity                           | Bond                              | fpml-asset-4-4.xsd                     |
| maturity                           | Future                            | fpml-asset-4-4.xsd                     |
| maturity                           | Loan                              | fpml-asset-4-4.xsd                     |
| maturity                           | Mortgage                          | fpml-asset-4-4.xsd                     |
| maturityDate                       | LoanContractIdentifier            | fpml-loan-4-4.xsd                      |
| maturityDate                       | TermDeposit                       | fpml-fx-4-4.xsd                        |
| maturityExtension                  | CreditEvents                      | fpml-option-shared-4-4.xsd             |
| maximumBoundaryPercent             | BoundedCorrelation                | fpml-eq-shared-4-4.xsd                 |
| maximumBusinessDays                | PhysicalSettlementPeriod          | fpml-cd-4-4.xsd                        |
| maximumDaysOfPostponement          | ValuationPostponement             | fpml-ird-4-4.xsd                       |
| maximumMaturity                    | DeliverableObligations            | fpml-cd-4-4.xsd                        |
| maximumNotionalAmount              | MultipleExercise                  | fpml-shared-4-4.xsd                    |
| maximumNumberOfOptions             | EquityMultipleExercise            | fpml-eqd-4-4.xsd                       |
| maximumNumberOfOptions             | MultipleExercise                  | fpml-shared-4-4.xsd                    |
| measureType                        | BasicQuotation                    | fpml-asset-4-4.xsd                     |
| measureType                        | MultiDimensionalPricingData       | fpml-mktenv-4-4.xsd                    |
| measureType                        | PricingStructurePoint             | fpml-mktenv-4-4.xsd                    |
| measureType                        | Quotation                         | fpml-valuation-4-4.xsd                 |
| measureType                        | QuotationCharacteristics          | fpml-asset-4-4.xsd                     |
| mergerEvents                       | ExtraordinaryEvents               | fpml-eq-shared-4-4.xsd                 |
| message                            | TradeDifference                   | fpml-doc-4-4.xsd                       |
| messageId                          | MessageHeader                     | fpml-msg-4-4.xsd                       |
| method                             | DerivativeCalculationProcedure    | fpml-riskdef-4-4.xsd                   |
| methodOfAdjustment                 | EquityDerivativeLongFormBase      | fpml-eqd-4-4.xsd                       |
| methodOfAdjustment                 | EquityOptionTransactionSupplement | fpml-eqd-4-4.xsd                       |
| mid                                | TermPoint                         | fpml-mktenv-4-4.xsd                    |
| mimeType                           | Resource                          | fpml-credit-event-notification-4-4.xsd |
| minimumBoundaryPercent             | BoundedCorrelation                | fpml-eq-shared-4-4.xsd                 |
| minimumNotionalAmount              | MultipleExercise                  | fpml-shared-4-4.xsd                    |
| minimumNotionalAmount              | PartialExercise                   | fpml-shared-4-4.xsd                    |
| minimumNumberOfOptions             | EquityMultipleExercise            | fpml-eqd-4-4.xsd                       |
| minimumNumberOfOptions             | MultipleExercise                  | fpml-shared-4-4.xsd                    |
| minimumNumberOfOptions             | PartialExercise                   | fpml-shared-4-4.xsd                    |
| minimumQuotationAmount             | CashSettlementTerms               | fpml-cd-4-4.xsd                        |
| missingElement                     | TradeDifference                   | fpml-doc-4-4.xsd                       |
| modifiedEquityDelivery             | GeneralTerms                      | fpml-cd-4-4.xsd                        |
| mthToDefault                       | BasketReferenceInformation        | fpml-cd-4-4.xsd                        |
| multipleCreditEventNotices         | Restructuring                     | fpml-option-shared-4-4.xsd             |
| multipleExchangeIndexAnnexFallback | EquityOptionTransactionSupplement | fpml-eqd-4-4.xsd                       |
| multipleExchangeIndexAnnexFallback | EquitySwapTransactionSupplement   | fpml-return-swaps-4-4.xsd              |
| multipleExercise                   | AmericanExercise                  | fpml-shared-4-4.xsd                    |
| multipleExercise                   | BermudaExercise                   | fpml-shared-4-4.xsd                    |
| multipleHolderObligation           | Restructuring                     | fpml-option-shared-4-4.xsd             |
| multipleValuationDates             | ValuationDate                     | fpml-cd-4-4.xsd                        |
| multiplier                         | CashflowFixing                    | fpml-reconciliation-4-4.xsd            |
| multiplier                         | DividendPeriodDividend            | fpml-eq-shared-4-4.xsd                 |
| multiplier                         | EquityOptionTransactionSupplement | fpml-eqd-4-4.xsd                       |
| multiplier                         | ExchangeTradedContract            | fpml-asset-4-4.xsd                     |
| multiplier                         | Future                            | fpml-asset-4-4.xsd                     |
| mutualEarlyTermination             | EquitySwapTransactionSupplement   | fpml-return-swaps-4-4.xsd              |
| name                               | DerivedValuationScenario          | fpml-valuation-4-4.xsd                 |

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| name                          | Market                      | fpml-riskdef-4-4.xsd                   |  |
| name                          | ParametricAdjustment        | fpml-mktenv-4-4.xsd                    |  |
| name                          | PricingStructure            | fpml-shared-4-4.xsd                    |  |
| name                          | Resource                    | fpml-credit-event-notification-4-4.xsd |  |
| name                          | SensitivityDefinition       | fpml-riskdef-4-4.xsd                   |  |
| name                          | SensitivitySet              | fpml-valuation-4-4.xsd                 |  |
| name                          | SensitivitySetDefinition    | fpml-riskdef-4-4.xsd                   |  |
| name                          | ValuationScenario           | fpml-riskdef-4-4.xsd                   |  |
| name                          | ValuationSet                | fpml-valuation-4-4.xsd                 |  |
| nationalisationOrInsolvency   | ExtraordinaryEvents         | fpml-eq-shared-4-4.xsd                 |  |
| negativeInterestRateTreatment | FloatingRateCalculation     | fpml-shared-4-4.xsd                    |  |
| netPrice                      | Price                       | fpml-asset-4-4.xsd                     |  |
| newContract                   | ContractNovation            | fpml-doc-4-4.xsd                       |  |
| newContract                   | ContractNovation            | fpml-doc-4-4.xsd                       |  |
| newContractReference          | ContractNovation            | fpml-doc-4-4.xsd                       |  |
| newContractReference          | ContractNovation            | fpml-doc-4-4.xsd                       |  |
| newPortfolioDefinition        | InitialPortfolioDefinition  | fpml-reconciliation-4-4.xsd            |  |
| newTransaction                | Novation                    | fpml-posttrade-4-4.xsd                 |  |
| newTransaction                | Novation                    | fpml-posttrade-4-4.xsd                 |  |
| newTransactionReference       | Novation                    | fpml-posttrade-4-4.xsd                 |  |
| newTransactionReference       | Novation                    | fpml-posttrade-4-4.xsd                 |  |
| nextInterestPaymentDate       | LoanContract                | fpml-loan-4-4.xsd                      |  |
| nonCashDividend               | DividendLeg                 | fpml-dividend-swaps-4-4.xsd            |  |
| nonDeliverableForward         | FxLeg                       | fpml-fx-4-4.xsd                        |  |
| nonDeliverableForward         | QuotableFxLeg               | fpml-pretrade-4-4.xsd                  |  |
| nonDeliverableSettlement      | SettlementProvision         | fpml-ird-4-4.xsd                       |  |
| nonReliance                   | ContractNovation            | fpml-doc-4-4.xsd                       |  |
| nonReliance                   | Novation                    | fpml-posttrade-4-4.xsd                 |  |
| nonReliance                   | Representations             | fpml-eq-shared-4-4.xsd                 |  |
| noReferenceObligation         | ReferenceInformation        | fpml-cd-4-4.xsd                        |  |
| noReferenceObligation         | ReferencePair               | fpml-cd-4-4.xsd                        |  |
| notBearer                     | DeliverableObligations      | fpml-cd-4-4.xsd                        |  |
| notContingent                 | DeliverableObligations      | fpml-cd-4-4.xsd                        |  |
| notContingent                 | Obligations                 | fpml-cd-4-4.xsd                        |  |
| notDomesticCurrency           | DeliverableObligations      | fpml-cd-4-4.xsd                        |  |
| notDomesticCurrency           | Obligations                 | fpml-cd-4-4.xsd                        |  |
| notDomesticIssuance           | DeliverableObligations      | fpml-cd-4-4.xsd                        |  |
| notDomesticIssuance           | Obligations                 | fpml-cd-4-4.xsd                        |  |
| notDomesticLaw                | DeliverableObligations      | fpml-cd-4-4.xsd                        |  |
| notDomesticLaw                | Obligations                 | fpml-cd-4-4.xsd                        |  |
| noticeDate                    | FacilityNotice              | fpml-loan-4-4.xsd                      |  |
| noticeDate                    | LoanContractNotice          | fpml-loan-4-4.xsd                      |  |
| notifiedPartyReference        | CreditEventNoticeDocument   | fpml-credit-event-notification-4-4.xsd |  |
| notifyingParty                | CreditEventNotice           | fpml-option-shared-4-4.xsd             |  |
| notifyingPartyReference       | CreditEventNoticeDocument   | fpml-credit-event-notification-4-4.xsd |  |
| notional                      | CashflowCalculationElements | fpml-reconciliation-4-4.xsd            |  |
| notional                      | DeprecatedEquityLeg         | fpml-return-swaps-4-4.xsd              |  |
| notional                      | EquityDerivativeBase        | fpml-eqd-4-4.xsd                       |  |
| notional                      | Fra                         | fpml-ird-4-4.xsd                       |  |
| notional                      | InterestLeg                 | fpml-eq-shared-4-4.xsd                 |  |
| notional                      | ReturnLeg                   | fpml-eq-shared-4-4.xsd                 |  |
| notional                      | TradeDetails                | fpml-reconciliation-4-4.xsd            |  |
| notionalAdjustments           | DeprecatedEquityLeg         | fpml-return-swaps-4-4.xsd              |  |
| notionalAdjustments           | ReturnLeg                   | fpml-eq-shared-4-4.xsd                 |  |
| notionalAmount                | CalculationPeriod           | fpml-ird-4-4.xsd                       |  |
| notionalAmount                | Correlation                 | fpml-eq-shared-4-4.xsd                 |  |
| notionalAmount                | FxLinkedNotionalAmount      | fpml-ird-4-4.xsd                       |  |

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|-------------------------|----------------------------------|------------------------------------|
| notionalAmount          | OptionBaseExtended               | fpml-option-shared-4-4.xsd         |
| notionalAmount          | ReturnSwapNotional               | fpml-eq-shared-4-4.xsd             |
| notionalAmountReference | PercentageRule                   | fpml-doc-4-4.xsd                   |
| notionalReference       | ExerciseFee                      | fpml-shared-4-4.xsd                |
| notionalReference       | ExerciseFeeSchedule              | fpml-shared-4-4.xsd                |
| notionalReference       | MultipleExercise                 | fpml-shared-4-4.xsd                |
| notionalReference       | OptionBaseExtended               | fpml-option-shared-4-4.xsd         |
| notionalReference       | PartialExercise                  | fpml-shared-4-4.xsd                |
| notionalReset           | ReturnLegValuation               | fpml-eq-shared-4-4.xsd             |
| notionalSchedule        | Calculation                      | fpml-ird-4-4.xsd                   |
| notionalStepAmount      | NotionalStepRule                 | fpml-ird-4-4.xsd                   |
| notionalStepParameters  | Notional                         | fpml-ird-4-4.xsd                   |
| notionalStepRate        | NotionalStepRule                 | fpml-ird-4-4.xsd                   |
| notionalStepSchedule    | Notional                         | fpml-ird-4-4.xsd                   |
| notSovereignLender      | DeliverableObligations           | fpml-cd-4-4.xsd                    |
| notSovereignLender      | Obligations                      | fpml-cd-4-4.xsd                    |
| notSubordinated         | DeliverableObligations           | fpml-cd-4-4.xsd                    |
| notSubordinated         | Obligations                      | fpml-cd-4-4.xsd                    |
| novatedAmount           | ContractNovation                 | fpml-doc-4-4.xsd                   |
| novatedAmount           | Novation                         | fpml-posttrade-4-4.xsd             |
| novatedNumberOfOptions  | ContractNovation                 | fpml-doc-4-4.xsd                   |
| novatedNumberOfOptions  | Novation                         | fpml-posttrade-4-4.xsd             |
| novatedNumberOfUnits    | ContractNovation                 | fpml-doc-4-4.xsd                   |
| novation                | ContractNovated                  | fpml-contract-notification-4-4.xsd |
| novation                | ContractNovatedCancelled         | fpml-contract-notification-4-4.xsd |
| novation                | NovationNotificationMessage      | fpml-posttrade-4-4.xsd             |
| novation                | NovationRequestMessage           | fpml-posttrade-4-4.xsd             |
| novation                | NovationResponseMessage          | fpml-posttrade-4-4.xsd             |
| novationContractDate    | ContractNovation                 | fpml-doc-4-4.xsd                   |
| novationDate            | ContractNovation                 | fpml-doc-4-4.xsd                   |
| novationDate            | Novation                         | fpml-posttrade-4-4.xsd             |
| novationTradeDate       | Novation                         | fpml-posttrade-4-4.xsd             |
| nthToDefault            | BasketReferenceInformation       | fpml-cd-4-4.xsd                    |
| numberOfDataSeries      | Correlation                      | fpml-eq-shared-4-4.xsd             |
| numberOfDays            | CashflowCalculationPeriod        | fpml-reconciliation-4-4.xsd        |
| numberOfOptions         | EquityDerivativeShortFormBase    | fpml-eqd-4-4.xsd                   |
| numberOfOptions         | EquityOption                     | fpml-eqd-4-4.xsd                   |
| numberOfOptions         | OptionBaseExtended               | fpml-option-shared-4-4.xsd         |
| numberOfUnits           | CashflowCalculationElements      | fpml-reconciliation-4-4.xsd        |
| numberValuationDates    | MultipleValuationDates           | fpml-cd-4-4.xsd                    |
| objectReference         | Valuation                        | fpml-riskdef-4-4.xsd               |
| obligationAcceleration  | CreditEvents                     | fpml-option-shared-4-4.xsd         |
| obligationDefault       | CreditEvents                     | fpml-option-shared-4-4.xsd         |
| obligations             | CreditCurve                      | fpml-mktenv-4-4.xsd                |
| obligations             | ProtectionTerms                  | fpml-cd-4-4.xsd                    |
| observationDate         | CashflowObservation              | fpml-reconciliation-4-4.xsd        |
| observationDate         | FxAverageRateObservationDate     | fpml-fx-4-4.xsd                    |
| observationDate         | ObservedRates                    | fpml-fx-4-4.xsd                    |
| observationElements     | CalculationDetails               | fpml-reconciliation-4-4.xsd        |
| observationEndDate      | FxAmericanTrigger                | fpml-fx-4-4.xsd                    |
| observationEndDate      | FxAverageRateObservationSchedule | fpml-fx-4-4.xsd                    |
| observationEndDate      | FxBarrier                        | fpml-fx-4-4.xsd                    |
| observationReference    | CashflowFixing                   | fpml-reconciliation-4-4.xsd        |
| observationStartDate    | CalculatedAmount                 | fpml-eq-shared-4-4.xsd             |
| observationStartDate    | DeprecatedVarianceAmount         | fpml-eq-shared-4-4.xsd             |
| observationStartDate    | FxAmericanTrigger                | fpml-fx-4-4.xsd                    |
| observationStartDate    | FxAverageRateObservationSchedule | fpml-fx-4-4.xsd                    |

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| observationStartDate                  | FxBarrier                         | fpml-fx-4-4.xsd                 |
| observationWeight                     | RateObservation                   | fpml-shared-4-4.xsd             |
| observedFxSpotRate                    | FxLinkedNotionalAmount            | fpml-ird-4-4.xsd                |
| observedRate                          | ObservedRates                     | fpml-fx-4-4.xsd                 |
| observedRate                          | RateObservation                   | fpml-shared-4-4.xsd             |
| observedRates                         | FxAverageRateOption               | fpml-fx-4-4.xsd                 |
| observedValue                         | CashflowObservation               | fpml-reconciliation-4-4.xsd     |
| oldContract                           | ContractNovation                  | fpml-doc-4-4.xsd                |
| oldContractReference                  | ContractNovation                  | fpml-doc-4-4.xsd                |
| oldTransaction                        | Novation                          | fpml-posttrade-4-4.xsd          |
| oldTransactionReference               | Novation                          | fpml-posttrade-4-4.xsd          |
| openEndedFund                         | MutualFund                        | fpml-asset-4-4.xsd              |
| openUnits                             | Basket                            | fpml-asset-4-4.xsd              |
| openUnits                             | ConstituentWeight                 | fpml-asset-4-4.xsd              |
| openUnits                             | SingleUnderlyer                   | fpml-asset-4-4.xsd              |
| optionalEarlyTermination              | EarlyTerminationProvision         | fpml-ird-4-4.xsd                |
| optionalEarlyTermination              | EarlyTerminationProvision         | fpml-ird-4-4.xsd                |
| optionalEarlyTermination              | EarlyTerminationProvision         | fpml-ird-4-4.xsd                |
| optionalEarlyTermination              | EarlyTerminationProvision         | fpml-ird-4-4.xsd                |
| optionalEarlyTerminationAdjustedDates | OptionalEarlyTermination          | fpml-ird-4-4.xsd                |
| optionalEarlyTerminationParameters    | EarlyTerminationProvision         | fpml-ird-4-4.xsd                |
| optionalEarlyTerminationParameters    | EarlyTerminationProvision         | fpml-ird-4-4.xsd                |
| optionEntitlement                     | EquityOption                      | fpml-eqd-4-4.xsd                |
| optionEntitlement                     | EquityOptionTransactionSupplement | fpml-eqd-4-4.xsd                |
| optionEntitlement                     | OptionBaseExtended                | fpml-option-shared-4-4.xsd      |
| optionOnCurrency                      | QuotedAs                          | fpml-fx-4-4.xsd                 |
| optionsExchangeDividends              | CalculatedAmount                  | fpml-eq-shared-4-4.xsd          |
| optionsExchangeDividends              | ReturnSwapAmount                  | fpml-eq-shared-4-4.xsd          |
| optionsExchangeld                     | ExchangeTraded                    | fpml-asset-4-4.xsd              |
| optionsPriceValuation                 | EquityValuation                   | fpml-eq-shared-4-4.xsd          |
| optionType                            | EquityDerivativeBase              | fpml-eqd-4-4.xsd                |
| optionType                            | OptionBase                        | fpml-option-shared-4-4.xsd      |
| orderer                               | TradeSide                         | fpml-doc-4-4.xsd                |
| originalAmount                        | LoanContractIdentifier            | fpml-loan-4-4.xsd               |
| originalCommitmentAmount              | FacilityIdentifier                | fpml-loan-4-4.xsd               |
| originalInputReference                | PricingInputReplacement           | fpml-riskdef-4-4.xsd            |
| originalPrincipalAmount               | Mortgage                          | fpml-asset-4-4.xsd              |
| originalTrade                         | TradeAmendment                    | fpml-posttrade-4-4.xsd          |
| originalTrade                         | TradeExecutionModified            | fpml-trade-notification-4-4.xsd |
| originalTradeIdentifier               | TradeAmendment                    | fpml-posttrade-4-4.xsd          |
| originalTradeIdentifier               | TradeExecutionModified            | fpml-trade-notification-4-4.xsd |
| otherPartyPayment                     | Contract                          | fpml-doc-4-4.xsd                |
| otherPartyPayment                     | Trade                             | fpml-doc-4-4.xsd                |
| otherPath                             | TradeDifference                   | fpml-doc-4-4.xsd                |
| otherRemainingParty                   | ContractNovation                  | fpml-doc-4-4.xsd                |
| otherRemainingParty                   | Novation                          | fpml-posttrade-4-4.xsd          |
| otherValue                            | TradeDifference                   | fpml-doc-4-4.xsd                |
| othReferenceEntityObligations         | DeliverableObligations            | fpml-cd-4-4.xsd                 |
| othReferenceEntityObligations         | Obligations                       | fpml-cd-4-4.xsd                 |
| outstandingNotionalAmount             | ChangeContractSize                | fpml-doc-4-4.xsd                |
| outstandingNotionalAmount             | Increase                          | fpml-doc-4-4.xsd                |
| outstandingNotionalAmount             | PartialTerminationAmount          | fpml-posttrade-4-4.xsd          |
| outstandingNumberOfOptions            | ChangeContractSize                | fpml-doc-4-4.xsd                |
| outstandingNumberOfOptions            | Increase                          | fpml-doc-4-4.xsd                |
| outstandingNumberOfOptions            | PartialTerminationAmount          | fpml-posttrade-4-4.xsd          |
| outstandingNumberOfUnits              | ChangeContractSize                | fpml-doc-4-4.xsd                |
| parameterReference                    | PricingParameterDerivative        | fpml-riskdef-4-4.xsd            |

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| parameterReference         | PricingParameterShift               | fpml-riskdef-4-4.xsd                   |  |
| parameterValue             | ParametricAdjustmentPoint           | fpml-mktenv-4-4.xsd                    |  |
| partial                    | Termination                         | fpml-posttrade-4-4.xsd                 |  |
| partialCashSettlement      | PCDeliverableObligationCharac       | fpml-cd-4-4.xsd                        |  |
| partialDerivative          | SensitivityDefinition               | fpml-riskdef-4-4.xsd                   |  |
| partialDerivativeReference | FormulaTerm                         | fpml-riskdef-4-4.xsd                   |  |
| partialDerivativeReference | WeightedPartialDerivative           | fpml-riskdef-4-4.xsd                   |  |
| partialExercise            | EuropeanExercise                    | fpml-shared-4-4.xsd                    |  |
| partialExerciseAmount      | RestructuringEvent                  | fpml-credit-event-notification-4-4.xsd |  |
| party                      | AcceptQuote                         | fpml-pretrade-4-4.xsd                  |  |
| party                      | AllocationAmended                   | fpml-allocation-4-4.xsd                |  |
| party                      | AllocationCancelled                 | fpml-allocation-4-4.xsd                |  |
| party                      | AllocationCreated                   | fpml-allocation-4-4.xsd                |  |
| party                      | AmendmentConfirmed                  | fpml-posttrade-confirmation-4-4.xsd    |  |
| party                      | CancelTradeCashflows                | fpml-reconciliation-4-4.xsd            |  |
| party                      | CancelTradeConfirmation             | fpml-confirmation-4-4.xsd              |  |
| party                      | CancelTradeMatch                    | fpml-tradeexec-4-4.xsd                 |  |
| party                      | ConfirmationCancelled               | fpml-confirmation-4-4.xsd              |  |
| party                      | ConfirmTrade                        | fpml-confirmation-4-4.xsd              |  |
| party                      | ContractCreated                     | fpml-contract-notification-4-4.xsd     |  |
| party                      | ContractFullTermination             | fpml-contract-notification-4-4.xsd     |  |
| party                      | ContractFullTerminationCancelled    | fpml-contract-notification-4-4.xsd     |  |
| party                      | ContractIncreased                   | fpml-contract-notification-4-4.xsd     |  |
| party                      | ContractIncreasedCancelled          | fpml-contract-notification-4-4.xsd     |  |
| party                      | ContractNovated                     | fpml-contract-notification-4-4.xsd     |  |
| party                      | ContractNovatedCancelled            | fpml-contract-notification-4-4.xsd     |  |
| party                      | ContractPartialTermination          | fpml-contract-notification-4-4.xsd     |  |
| party                      | ContractPartialTerminationCancelled | fpml-contract-notification-4-4.xsd     |  |
| party                      | ContractReferenceMessage            | fpml-contract-notification-4-4.xsd     |  |
| party                      | CreditEventNotification             | fpml-credit-event-notification-4-4.xsd |  |
| party                      | DataDocument                        | fpml-doc-4-4.xsd                       |  |
| party                      | DrawdownNotice                      | fpml-loan-4-4.xsd                      |  |
| party                      | IncreaseConfirmed                   | fpml-posttrade-confirmation-4-4.xsd    |  |
| party                      | InterestPaymentNotice               | fpml-loan-4-4.xsd                      |  |
| party                      | ModifyTradeConfirmation             | fpml-confirmation-4-4.xsd              |  |
| party                      | ModifyTradeMatch                    | fpml-tradeexec-4-4.xsd                 |  |
| party                      | NovationNotificationMessage         | fpml-posttrade-4-4.xsd                 |  |
| party                      | NovationRequestMessage              | fpml-posttrade-4-4.xsd                 |  |
| party                      | NovationResponseMessage             | fpml-posttrade-4-4.xsd                 |  |
| party                      | OneOffFeeNotice                     | fpml-loan-4-4.xsd                      |  |
| party                      | OnGoingFeeNotice                    | fpml-loan-4-4.xsd                      |  |
| party                      | PartyRole                           | fpml-doc-4-4.xsd                       |  |
| party                      | PositionReport                      | fpml-reporting-4-4.xsd                 |  |
| party                      | PositionsAcknowledged               | fpml-reconciliation-4-4.xsd            |  |
| party                      | PositionsAsserted                   | fpml-reconciliation-4-4.xsd            |  |
| party                      | PositionsMatchResults               | fpml-reconciliation-4-4.xsd            |  |
| party                      | Quote                               | fpml-pretrade-4-4.xsd                  |  |
| party                      | QuoteAcceptanceConfirmed            | fpml-pretrade-4-4.xsd                  |  |
| party                      | QuoteUpdated                        | fpml-pretrade-4-4.xsd                  |  |
| party                      | RepaymentNotice                     | fpml-loan-4-4.xsd                      |  |
| party                      | RequestAllocation                   | fpml-allocation-4-4.xsd                |  |
| party                      | RequestAmendmentConfirmation        | fpml-posttrade-confirmation-4-4.xsd    |  |
| party                      | RequestIncreaseConfirmation         | fpml-posttrade-confirmation-4-4.xsd    |  |
| party                      | RequestPortfolio                    | fpml-reconciliation-4-4.xsd            |  |
| party                      | RequestPositionReport               | fpml-reporting-4-4.xsd                 |  |
| party                      | RequestQuote                        | fpml-pretrade-4-4.xsd                  |  |
| party                      | RequestQuoteResponse                | fpml-pretrade-4-4.xsd                  |  |

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|-------------------------|--------------------------------|-------------------------------------|
| party                   | RequestTerminationConfirmation | fpml-posttrade-confirmation-4-4.xsd |
| party                   | RequestTradeConfirmation       | fpml-confirmation-4-4.xsd           |
| party                   | RequestTradeMatch              | fpml-tradeexec-4-4.xsd              |
| party                   | RequestTradeStatus             | fpml-msg-4-4.xsd                    |
| party                   | RequestValuationReport         | fpml-reporting-4-4.xsd              |
| party                   | TerminationConfirmed           | fpml-posttrade-confirmation-4-4.xsd |
| party                   | TradeAffirmation               | fpml-confirmation-4-4.xsd           |
| party                   | TradeAffirmed                  | fpml-confirmation-4-4.xsd           |
| party                   | TradeAlleged                   | fpml-matching-status-4-4.xsd        |
| party                   | TradeAlreadyMatched            | fpml-tradeexec-4-4.xsd              |
| party                   | TradeAlreadySubmitted          | fpml-msg-4-4.xsd                    |
| party                   | TradeAmended                   | fpml-trade-notification-4-4.xsd     |
| party                   | TradeAmendmentRequest          | fpml-posttrade-negotiation-4-4.xsd  |
| party                   | TradeAmendmentResponse         | fpml-posttrade-negotiation-4-4.xsd  |
| party                   | TradeCancelled                 | fpml-trade-notification-4-4.xsd     |
| party                   | TradeCashflowsAsserted         | fpml-reconciliation-4-4.xsd         |
| party                   | TradeCashflowsMatchResult      | fpml-reconciliation-4-4.xsd         |
| party                   | TradeConfirmed                 | fpml-confirmation-4-4.xsd           |
| party                   | TradeCreated                   | fpml-trade-notification-4-4.xsd     |
| party                   | TradeErrorResponse             | fpml-msg-4-4.xsd                    |
| party                   | TradeExecution                 | fpml-trade-notification-4-4.xsd     |
| party                   | TradeExecutionCancelled        | fpml-trade-notification-4-4.xsd     |
| party                   | TradeExecutionModified         | fpml-trade-notification-4-4.xsd     |
| party                   | TradeIncreaseRequest           | fpml-posttrade-negotiation-4-4.xsd  |
| party                   | TradeIncreaseResponse          | fpml-posttrade-negotiation-4-4.xsd  |
| party                   | TradeMatched                   | fpml-matching-status-4-4.xsd        |
| party                   | TradeMismatched                | fpml-matching-status-4-4.xsd        |
| party                   | TradeNotFound                  | fpml-msg-4-4.xsd                    |
| party                   | TradeStatus                    | fpml-msg-4-4.xsd                    |
| party                   | TradeTerminationRequest        | fpml-posttrade-negotiation-4-4.xsd  |
| party                   | TradeTerminationResponse       | fpml-posttrade-negotiation-4-4.xsd  |
| party                   | TradeUnmatched                 | fpml-matching-status-4-4.xsd        |
| party                   | ValuationReport                | fpml-reporting-4-4.xsd              |
| partyId                 | Party                          | fpml-shared-4-4.xsd                 |
| partyMessageInformation | NotificationMessageHeader      | fpml-msg-4-4.xsd                    |
| partyMessageInformation | RequestMessageHeader           | fpml-msg-4-4.xsd                    |
| partyMessageInformation | ResponseMessageHeader          | fpml-msg-4-4.xsd                    |
| partyName               | Party                          | fpml-shared-4-4.xsd                 |
| partyPortfolioName      | Portfolio                      | fpml-doc-4-4.xsd                    |
| partyReference          | Allocation                     | fpml-doc-4-4.xsd                    |
| partyReference          | ContractIdentifier             | fpml-doc-4-4.xsd                    |
| partyReference          | ContractInformation            | fpml-doc-4-4.xsd                    |
| partyReference          | ExerciseNotice                 | fpml-shared-4-4.xsd                 |
| partyReference          | PartyMessageInformation        | fpml-msg-4-4.xsd                    |
| partyReference          | PartyPortfolioName             | fpml-doc-4-4.xsd                    |
| partyReference          | PartyTradeInformation          | fpml-doc-4-4.xsd                    |
| partyReference          | ReturnSwapEarlyTermination     | fpml-eq-shared-4-4.xsd              |
| partyReference          | TradeIdentifier                | fpml-doc-4-4.xsd                    |
| partyTradeIdentifier    | AllocationCancelled            | fpml-allocation-4-4.xsd             |
| partyTradeIdentifier    | CancelTradeConfirmation        | fpml-confirmation-4-4.xsd           |
| partyTradeIdentifier    | CancelTradeMatch               | fpml-tradeexec-4-4.xsd              |
| partyTradeIdentifier    | ConfirmTrade                   | fpml-confirmation-4-4.xsd           |
| partyTradeIdentifier    | PartyTradeIdentifiers          | fpml-doc-4-4.xsd                    |
| partyTradeIdentifier    | TradeHeader                    | fpml-doc-4-4.xsd                    |
| partyTradeIdentifier    | TradeIdentifyingItems          | fpml-reconciliation-4-4.xsd         |
| partyTradeIdentifier    | TradeValuationItem             | fpml-reporting-4-4.xsd              |
| partyTradeInformation   | TradeHeader                    | fpml-doc-4-4.xsd                    |



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|-------------------------------|-------------------------------|-----------------------------|
| parValue                      | Bond                          | fpml-asset-4-4.xsd          |
| parYieldCurveAdjustedMethod   | CashSettlement                | fpml-ird-4-4.xsd            |
| parYieldCurveUnadjustedMethod | CashSettlement                | fpml-ird-4-4.xsd            |
| passThrough                   | OptionFeature                 | fpml-option-shared-4-4.xsd  |
| passThrough                   | OptionFeatures                | fpml-eq-shared-4-4.xsd      |
| passThroughItem               | PassThrough                   | fpml-option-shared-4-4.xsd  |
| passThroughPercentage         | PassThroughItem               | fpml-option-shared-4-4.xsd  |
| payerPartyReference           | DirectionalLeg                | fpml-eq-shared-4-4.xsd      |
| payerPartyReference           | EquityPremium                 | fpml-eq-shared-4-4.xsd      |
| payerPartyReference           | ExerciseFee                   | fpml-shared-4-4.xsd         |
| payerPartyReference           | ExerciseFeeSchedule           | fpml-shared-4-4.xsd         |
| payerPartyReference           | FeaturePayment                | fpml-option-shared-4-4.xsd  |
| payerPartyReference           | FxOptionPremium               | fpml-fx-4-4.xsd             |
| payerPartyReference           | GrossCashflow                 | fpml-reconciliation-4-4.xsd |
| payerPartyReference           | IndependentAmount             | fpml-doc-4-4.xsd            |
| payerPartyReference           | InitialPayment                | fpml-cd-4-4.xsd             |
| payerPartyReference           | InterestRateStream            | fpml-ird-4-4.xsd            |
| payerPartyReference           | PassThroughItem               | fpml-option-shared-4-4.xsd  |
| payerPartyReference           | Payment                       | fpml-shared-4-4.xsd         |
| payerPartyReference           | PaymentBase                   | fpml-shared-4-4.xsd         |
| payerPartyReference           | PaymentMatching               | fpml-reconciliation-4-4.xsd |
| payerPartyReference           | PrePayment                    | fpml-eqd-4-4.xsd            |
| payerPartyReference           | PrincipalExchangeDescriptions | fpml-eq-shared-4-4.xsd      |
| payerPartyReference           | QuotablePayment               | fpml-pretrade-4-4.xsd       |
| payerPartyReference           | ReturnSwapAdditionalPayment   | fpml-eq-shared-4-4.xsd      |
| payerPartyReference           | ReturnSwapLeg                 | fpml-eq-shared-4-4.xsd      |
| payerPartyReference           | SimplePayment                 | fpml-shared-4-4.xsd         |
| payment                       | AllegedCashflow               | fpml-reconciliation-4-4.xsd |
| payment                       | Amendment                     | fpml-doc-4-4.xsd            |
| payment                       | AssertedCashflow              | fpml-reconciliation-4-4.xsd |
| payment                       | BulletPayment                 | fpml-ird-4-4.xsd            |
| payment                       | CancelTradeCashflows          | fpml-reconciliation-4-4.xsd |
| payment                       | ChangeContract                | fpml-doc-4-4.xsd            |
| payment                       | ContractNovation              | fpml-doc-4-4.xsd            |
| payment                       | Increase                      | fpml-doc-4-4.xsd            |
| payment                       | Novation                      | fpml-posttrade-4-4.xsd      |
| payment                       | TermDeposit                   | fpml-fx-4-4.xsd             |
| payment                       | Termination                   | fpml-posttrade-4-4.xsd      |
| payment                       | TradeCashflowsAsserted        | fpml-reconciliation-4-4.xsd |
| payment                       | TradeCashflowsProposedMatch   | fpml-reconciliation-4-4.xsd |
| paymentAmount                 | AdditionalPaymentAmount       | fpml-eq-shared-4-4.xsd      |
| paymentAmount                 | AdjustedPaymentDates          | fpml-cd-4-4.xsd             |
| paymentAmount                 | EquityPremium                 | fpml-eq-shared-4-4.xsd      |
| paymentAmount                 | FixedPaymentAmount            | fpml-dividend-swaps-4-4.xsd |
| paymentAmount                 | InitialPayment                | fpml-cd-4-4.xsd             |
| paymentAmount                 | NonNegativePayment            | fpml-shared-4-4.xsd         |
| paymentAmount                 | Payment                       | fpml-shared-4-4.xsd         |
| paymentAmount                 | PaymentDetail                 | fpml-doc-4-4.xsd            |
| paymentAmount                 | PaymentDetail                 | fpml-doc-4-4.xsd            |
| paymentAmount                 | PaymentMatching               | fpml-reconciliation-4-4.xsd |
| paymentAmount                 | PositivePayment               | fpml-shared-4-4.xsd         |
| paymentAmount                 | QuotablePayment               | fpml-pretrade-4-4.xsd       |
| paymentAmount                 | SimplePayment                 | fpml-shared-4-4.xsd         |
| paymentCalculationPeriod      | Cashflows                     | fpml-ird-4-4.xsd            |
| paymentCurrency               | DividendConditions            | fpml-shared-4-4.xsd         |
| paymentCurrency               | LegAmount                     | fpml-eq-shared-4-4.xsd      |
| paymentDate                   | DividendPeriodPayment         | fpml-dividend-swaps-4-4.xsd |

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|--------------------------|------------------------------------|-----------------------------|
| paymentDate              | DrawdownPayment                    | fpml-loan-4-4.xsd           |
| paymentDate              | EquityPremium                      | fpml-eq-shared-4-4.xsd      |
| paymentDate              | FixedPaymentAmount                 | fpml-dividend-swaps-4-4.xsd |
| paymentDate              | Fra                                | fpml-ird-4-4.xsd            |
| paymentDate              | InterestPayment                    | fpml-loan-4-4.xsd           |
| paymentDate              | OneOffFeePayment                   | fpml-loan-4-4.xsd           |
| paymentDate              | OnGoingFeePayment                  | fpml-loan-4-4.xsd           |
| paymentDate              | Payment                            | fpml-shared-4-4.xsd         |
| paymentDate              | PaymentBase                        | fpml-shared-4-4.xsd         |
| paymentDate              | PaymentDetail                      | fpml-doc-4-4.xsd            |
| paymentDate              | PendingPayment                     | fpml-asset-4-4.xsd          |
| paymentDate              | QuotablePayment                    | fpml-pretrade-4-4.xsd       |
| paymentDate              | SimplePayment                      | fpml-shared-4-4.xsd         |
| paymentDateFinal         | ReturnSwapPaymentDates             | fpml-eq-shared-4-4.xsd      |
| paymentDateOffset        | DividendPaymentDate                | fpml-shared-4-4.xsd         |
| paymentDates             | InterestRateStream                 | fpml-ird-4-4.xsd            |
| paymentDates             | ReturnLegValuation                 | fpml-eq-shared-4-4.xsd      |
| paymentDatesAdjustments  | PaymentDates                       | fpml-ird-4-4.xsd            |
| paymentDatesInterim      | ReturnSwapPaymentDates             | fpml-eq-shared-4-4.xsd      |
| paymentDatesReference    | DateRelativeToPaymentDates         | fpml-ird-4-4.xsd            |
| paymentDaysOffset        | PaymentDates                       | fpml-ird-4-4.xsd            |
| paymentDelay             | FeeLeg                             | fpml-cd-4-4.xsd             |
| paymentDetail            | IndependentAmount                  | fpml-doc-4-4.xsd            |
| paymentFrequency         | Bond                               | fpml-asset-4-4.xsd          |
| paymentFrequency         | Deposit                            | fpml-asset-4-4.xsd          |
| paymentFrequency         | Mortgage                           | fpml-asset-4-4.xsd          |
| paymentFrequency         | PaymentDates                       | fpml-ird-4-4.xsd            |
| paymentFrequency         | PeriodicPayment                    | fpml-cd-4-4.xsd             |
| paymentFrequency         | RateIndex                          | fpml-asset-4-4.xsd          |
| paymentFrequency         | ReturnSwapLeg                      | fpml-eq-shared-4-4.xsd      |
| paymentFrequency         | SimpleCreditDefaultSwap            | fpml-asset-4-4.xsd          |
| paymentFrequency         | SimpleIRSwap                       | fpml-asset-4-4.xsd          |
| paymentPercent           | PercentageRule                     | fpml-doc-4-4.xsd            |
| paymentRequirement       | FailureToPay                       | fpml-option-shared-4-4.xsd  |
| paymentRule              | PaymentDetail                      | fpml-doc-4-4.xsd            |
| paymentType              | ClassifiedPayment                  | fpml-option-shared-4-4.xsd  |
| paymentType              | Payment                            | fpml-shared-4-4.xsd         |
| paymentType              | ReturnSwapAdditionalPayment        | fpml-eq-shared-4-4.xsd      |
| payoutCurrency           | FxAverageRateOption                | fpml-fx-4-4.xsd             |
| payoutFormula            | FxAverageRateOption                | fpml-fx-4-4.xsd             |
| payoutStyle              | FxOptionPayout                     | fpml-fx-4-4.xsd             |
| payRelativeTo            | PaymentDates                       | fpml-ird-4-4.xsd            |
| percentageOfNotional     | EquityPremium                      | fpml-eq-shared-4-4.xsd      |
| percentageOfNotional     | Premium                            | fpml-option-shared-4-4.xsd  |
| period                   | Interval                           | fpml-shared-4-4.xsd         |
| periodicDates            | AdjustableRelativeOrPeriodicDates  | fpml-shared-4-4.xsd         |
| periodicDates            | AdjustableRelativeOrPeriodicDates2 | fpml-shared-4-4.xsd         |
| periodicPayment          | FeeLeg                             | fpml-cd-4-4.xsd             |
| periodMultiplier         | Interval                           | fpml-shared-4-4.xsd         |
| periodSkip               | RelativeDates                      | fpml-shared-4-4.xsd         |
| perturbationAmount       | DerivativeCalculationProcedure     | fpml-riskdef-4-4.xsd        |
| perturbationType         | DerivativeCalculationProcedure     | fpml-riskdef-4-4.xsd        |
| physicalSettlement       | CreditDerivativesNotices           | fpml-doc-4-4.xsd            |
| physicalSettlementPeriod | PhysicalSettlementTerms            | fpml-cd-4-4.xsd             |
| physicalSettlementTerms  | CreditDefaultSwap                  | fpml-cd-4-4.xsd             |
| pikPercent               | PikPeriod                          | fpml-loan-4-4.xsd           |
| pikPeriod                | InterestAccrualSchedule            | fpml-loan-4-4.xsd           |

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|-------------------------------------|-----------------------------------|-----------------------------|
| point                               | MultiDimensionalPricingData       | fpml-mktnv-4-4.xsd          |
| point                               | TermCurve                         | fpml-mktnv-4-4.xsd          |
| pool                                | Mortgage                          | fpml-asset-4-4.xsd          |
| portfolio                           | DataDocument                      | fpml-doc-4-4.xsd            |
| portfolio                           | Portfolio                         | fpml-doc-4-4.xsd            |
| portfolio                           | PositionsAcknowledged             | fpml-reconciliation-4-4.xsd |
| portfolio                           | PositionsAsserted                 | fpml-reconciliation-4-4.xsd |
| portfolio                           | PositionsMatchResults             | fpml-reconciliation-4-4.xsd |
| portfolioName                       | PartyPortfolioName                | fpml-doc-4-4.xsd            |
| portfolioName                       | PortfolioDefinition               | fpml-reconciliation-4-4.xsd |
| portfolioName                       | RequestPortfolio                  | fpml-reconciliation-4-4.xsd |
| portfolioValuationItem              | RequestValuationReport            | fpml-reporting-4-4.xsd      |
| portfolioValuationItem              | ValuationReport                   | fpml-reporting-4-4.xsd      |
| position                            | PositionReport                    | fpml-reporting-4-4.xsd      |
| positionAmount                      | LenderPositionPeriod              | fpml-loan-4-4.xsd           |
| positionId                          | AssertedPosition                  | fpml-reconciliation-4-4.xsd |
| positionId                          | Position                          | fpml-valuation-4-4.xsd      |
| positionId                          | PositionProposedMatch             | fpml-reconciliation-4-4.xsd |
| positionId                          | PositionReference                 | fpml-reconciliation-4-4.xsd |
| positionId                          | RequestedPositions                | fpml-reporting-4-4.xsd      |
| positionId                          | UnprocessedPosition               | fpml-reconciliation-4-4.xsd |
| positionMatchResult                 | PositionsMatchResults             | fpml-reconciliation-4-4.xsd |
| positionProvider                    | ReportingRoles                    | fpml-valuation-4-4.xsd      |
| positionVersionReference            | PositionConstituent               | fpml-valuation-4-4.xsd      |
| postalCode                          | Address                           | fpml-shared-4-4.xsd         |
| power                               | DenominatorTerm                   | fpml-riskdef-4-4.xsd        |
| precision                           | FxAverageRateOption               | fpml-fx-4-4.xsd             |
| precision                           | Rounding                          | fpml-shared-4-4.xsd         |
| premium                             | CapFloor                          | fpml-ird-4-4.xsd            |
| premium                             | OptionBaseExtended                | fpml-option-shared-4-4.xsd  |
| premium                             | Swaption                          | fpml-ird-4-4.xsd            |
| premiumAmount                       | FxOptionPremium                   | fpml-fx-4-4.xsd             |
| premiumProductReference             | Strategy                          | fpml-doc-4-4.xsd            |
| premiumQuote                        | FxOptionPremium                   | fpml-fx-4-4.xsd             |
| premiumQuoteBasis                   | PremiumQuote                      | fpml-fx-4-4.xsd             |
| premiumSettlementDate               | FxOptionPremium                   | fpml-fx-4-4.xsd             |
| premiumType                         | EquityPremium                     | fpml-eq-shared-4-4.xsd      |
| premiumType                         | Premium                           | fpml-option-shared-4-4.xsd  |
| premiumValue                        | PremiumQuote                      | fpml-fx-4-4.xsd             |
| prePayment                          | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd            |
| prePayment                          | PrePayment                        | fpml-eqd-4-4.xsd            |
| prePaymentAmount                    | PrePayment                        | fpml-eqd-4-4.xsd            |
| prePaymentDate                      | PrePayment                        | fpml-eqd-4-4.xsd            |
| presentValueAmount                  | Payment                           | fpml-shared-4-4.xsd         |
| presentValueAmount                  | PaymentCalculationPeriod          | fpml-ird-4-4.xsd            |
| presentValueAmount                  | Premium                           | fpml-option-shared-4-4.xsd  |
| presentValuePrincipalExchangeAmount | PrincipalExchange                 | fpml-ird-4-4.xsd            |
| price                               | BondOptionStrike                  | fpml-bond-option-4-4.xsd    |
| price                               | CreditOptionStrike                | fpml-cd-4-4.xsd             |
| priceExpression                     | ActualPrice                       | fpml-asset-4-4.xsd          |
| pricePerOption                      | EquityPremium                     | fpml-eq-shared-4-4.xsd      |
| pricePerOption                      | Premium                           | fpml-option-shared-4-4.xsd  |
| priceSourceDisruption               | NonDeliverableSettlement          | fpml-ird-4-4.xsd            |
| pricingInputReference               | PricingMethod                     | fpml-riskdef-4-4.xsd        |
| pricingInputReference               | SensitivitySetDefinition          | fpml-riskdef-4-4.xsd        |
| pricingInputType                    | SensitivitySetDefinition          | fpml-riskdef-4-4.xsd        |
| primaryObligor                      | ReferenceObligation               | fpml-cd-4-4.xsd             |

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|---------------------------------|-------------------------------|--|
| primaryObligorReference         | ReferenceObligation           | fpml-cd-4-4.xsd                        |
| primaryRateSource               | FxAverageRateOption           | fpml-fx-4-4.xsd                        |
| primaryRateSource               | FxSpotRateSource              | fpml-shared-4-4.xsd                    |
| principal                       | TermDeposit                   | fpml-fx-4-4.xsd                        |
| principalAmount                 | PrincipalExchangeAmount       | fpml-eq-shared-4-4.xsd                 |
| principalExchange               | Cashflows                     | fpml-ird-4-4.xsd                       |
| principalExchangeAmount         | PrincipalExchange             | fpml-ird-4-4.xsd                       |
| principalExchangeAmount         | PrincipalExchangeDescriptions | fpml-eq-shared-4-4.xsd                 |
| principalExchangeDate           | PrincipalExchangeDescriptions | fpml-eq-shared-4-4.xsd                 |
| principalExchangeDescriptions   | PrincipalExchangeFeatures     | fpml-eq-shared-4-4.xsd                 |
| principalExchangeFeatures       | ReturnSwapBase                | fpml-eq-shared-4-4.xsd                 |
| principalExchanges              | InterestRateStream            | fpml-ird-4-4.xsd                       |
| principalExchanges              | PrincipalExchangeFeatures     | fpml-eq-shared-4-4.xsd                 |
| principalShortfallReimbursement | AdditionalFixedPayments       | fpml-cd-4-4.xsd                        |
| priorAmount                     | FacilityCommitmentPosition    | fpml-loan-4-4.xsd                      |
| priorAmount                     | LoanContractPosition          | fpml-loan-4-4.xsd                      |
| productId                       | Product                       | fpml-shared-4-4.xsd                    |
| productId                       | QuotableProduct               | fpml-pretrade-4-4.xsd                  |
| productType                     | Product                       | fpml-shared-4-4.xsd                    |
| productType                     | QuotableProduct               | fpml-pretrade-4-4.xsd                  |
| productType                     | TradeDetails                  | fpml-reconciliation-4-4.xsd            |
| proposedMatch                   | PositionMatchResult           | fpml-reconciliation-4-4.xsd            |
| proposedMatch                   | TradeCashflowsMatchResult     | fpml-reconciliation-4-4.xsd            |
| protectionTerms                 | CreditDefaultSwap             | fpml-cd-4-4.xsd                        |
| protectionTermsReference        | ReferencePoolItem             | fpml-cd-4-4.xsd                        |
| publicationDate                 | ContractualMatrix             | fpml-shared-4-4.xsd                    |
| publicationDate                 | ContractualTermsSupplement    | fpml-shared-4-4.xsd                    |
| publicationDate                 | SettledEntityMatrix           | fpml-cd-4-4.xsd                        |
| publiclyAvailableInformation    | CreditDerivativesNotices      | fpml-doc-4-4.xsd                       |
| publiclyAvailableInformation    | CreditEventNotice             | fpml-option-shared-4-4.xsd             |
| publiclyAvailableInformation    | CreditEventNoticeDocument     | fpml-credit-event-notification-4-4.xsd |
| publicSource                    | PubliclyAvailableInformation  | fpml-option-shared-4-4.xsd             |
| putCurrencyAmount               | FxAverageRateOption           | fpml-fx-4-4.xsd                        |
| putCurrencyAmount               | FxOptionLeg                   | fpml-fx-4-4.xsd                        |
| qualifyingParticipationSeller   | LoanParticipation             | fpml-cd-4-4.xsd                        |
| quantity                        | UnderlyerReferenceUnits       | fpml-reconciliation-4-4.xsd            |
| quanto                          | FxFeature                     | fpml-option-shared-4-4.xsd             |
| queryParameter                  | QueryPortfolio                | fpml-doc-4-4.xsd                       |
| queryParameterId                | QueryParameter                | fpml-doc-4-4.xsd                       |
| queryParameterOperator          | QueryParameter                | fpml-doc-4-4.xsd                       |
| queryParameterValue             | QueryParameter                | fpml-doc-4-4.xsd                       |
| queryPortfolio                  | RequestedPositions            | fpml-reporting-4-4.xsd                 |
| quotationAmount                 | CashSettlementTerms           | fpml-cd-4-4.xsd                        |
| quotationCharacteristics        | PositionReport                | fpml-reporting-4-4.xsd                 |
| quotationCharacteristics        | Price                         | fpml-asset-4-4.xsd                     |
| quotationCharacteristics        | ValuationSet                  | fpml-valuation-4-4.xsd                 |
| quotationMethod                 | CashSettlementTerms           | fpml-cd-4-4.xsd                        |
| quotationRateType               | CashPriceMethod               | fpml-ird-4-4.xsd                       |
| quotationRateType               | YieldCurveMethod              | fpml-ird-4-4.xsd                       |
| quote                           | AssetValuation                | fpml-valuation-4-4.xsd                 |
| quote                           | BasicAssetValuation           | fpml-riskdef-4-4.xsd                   |
| quoteBasis                      | QuotedCurrencyPair            | fpml-shared-4-4.xsd                    |
| quotedAs                        | FxOptionLeg                   | fpml-fx-4-4.xsd                        |
| quotedCurrencyPair              | FxAmericanTrigger             | fpml-fx-4-4.xsd                        |
| quotedCurrencyPair              | FxBarrier                     | fpml-fx-4-4.xsd                        |
| quotedCurrencyPair              | FxCurve                       | fpml-mktenv-4-4.xsd                    |
| quotedCurrencyPair              | FxDigitalOption               | fpml-fx-4-4.xsd                        |

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|------------------------|-------------------------------|------------------------------------|
| quotedCurrencyPair     | FxEuropeanTrigger             | fpml-fx-4-4.xsd                    |
| quotedCurrencyPair     | FxFixing                      | fpml-shared-4-4.xsd                |
| quotedCurrencyPair     | FxRate                        | fpml-shared-4-4.xsd                |
| quotedCurrencyPair     | FxRateAsset                   | fpml-asset-4-4.xsd                 |
| quotedCurrencyPair     | QuotableFxRate                | fpml-pretrade-4-4.xsd              |
| quotedTenor            | QuotedAs                      | fpml-fx-4-4.xsd                    |
| quoteUnits             | BasicQuotation                | fpml-asset-4-4.xsd                 |
| quoteUnits             | MultiDimensionalPricingData   | fpml-mktenv-4-4.xsd                |
| quoteUnits             | PricingStructurePoint         | fpml-mktenv-4-4.xsd                |
| quoteUnits             | Quotation                     | fpml-valuation-4-4.xsd             |
| quoteUnits             | QuotationCharacteristics      | fpml-asset-4-4.xsd                 |
| rate                   | FxRate                        | fpml-shared-4-4.xsd                |
| rate                   | FxStrikePrice                 | fpml-fx-4-4.xsd                    |
| rate                   | RatePeriod                    | fpml-loan-4-4.xsd                  |
| rate                   | SideRate                      | fpml-fx-4-4.xsd                    |
| rateCurve              | ForwardRateCurve              | fpml-mktenv-4-4.xsd                |
| rateCurve              | ZeroRateCurve                 | fpml-mktenv-4-4.xsd                |
| rateCutOffDaysOffset   | ResetDates                    | fpml-ird-4-4.xsd                   |
| rateFixingDate         | InterestRatePeriod            | fpml-loan-4-4.xsd                  |
| rateObservation        | FloatingRateDefinition        | fpml-ird-4-4.xsd                   |
| rateOfReturn           | ReturnLeg                     | fpml-eq-shared-4-4.xsd             |
| rateReference          | RateObservation               | fpml-shared-4-4.xsd                |
| rateSource             | FxRateAsset                   | fpml-asset-4-4.xsd                 |
| rateSource             | InformationSource             | fpml-shared-4-4.xsd                |
| rateSource             | InterestShortFall             | fpml-cd-4-4.xsd                    |
| rateSourcePage         | InformationSource             | fpml-shared-4-4.xsd                |
| rateSourcePageHeading  | InformationSource             | fpml-shared-4-4.xsd                |
| rateTreatment          | FloatingRate                  | fpml-shared-4-4.xsd                |
| realisedVarianceMethod | BoundedVariance               | fpml-eq-shared-4-4.xsd             |
| reason                 | MessageRejected               | fpml-msg-4-4.xsd                   |
| reason                 | NovationConsentRefused        | fpml-posttrade-negotiation-4-4.xsd |
| reason                 | UnprocessedPosition           | fpml-reconciliation-4-4.xsd        |
| reasonCode             | Reason                        | fpml-msg-4-4.xsd                   |
| recallSpread           | MakeWholeProvisions           | fpml-eq-shared-4-4.xsd             |
| receiverPartyReference | DirectionalLeg                | fpml-eq-shared-4-4.xsd             |
| receiverPartyReference | EquityPremium                 | fpml-eq-shared-4-4.xsd             |
| receiverPartyReference | ExerciseFee                   | fpml-shared-4-4.xsd                |
| receiverPartyReference | ExerciseFeeSchedule           | fpml-shared-4-4.xsd                |
| receiverPartyReference | FeaturePayment                | fpml-option-shared-4-4.xsd         |
| receiverPartyReference | FxOptionPremium               | fpml-fx-4-4.xsd                    |
| receiverPartyReference | GrossCashflow                 | fpml-reconciliation-4-4.xsd        |
| receiverPartyReference | IndependentAmount             | fpml-doc-4-4.xsd                   |
| receiverPartyReference | InitialPayment                | fpml-cd-4-4.xsd                    |
| receiverPartyReference | InterestRateStream            | fpml-ird-4-4.xsd                   |
| receiverPartyReference | PassThroughItem               | fpml-option-shared-4-4.xsd         |
| receiverPartyReference | Payment                       | fpml-shared-4-4.xsd                |
| receiverPartyReference | PaymentBase                   | fpml-shared-4-4.xsd                |
| receiverPartyReference | PaymentMatching               | fpml-reconciliation-4-4.xsd        |
| receiverPartyReference | PrePayment                    | fpml-eqd-4-4.xsd                   |
| receiverPartyReference | PrincipalExchangeDescriptions | fpml-eq-shared-4-4.xsd             |
| receiverPartyReference | QuotablePayment               | fpml-pretrade-4-4.xsd              |
| receiverPartyReference | ReturnSwapAdditionalPayment   | fpml-eq-shared-4-4.xsd             |
| receiverPartyReference | ReturnSwapLeg                 | fpml-eq-shared-4-4.xsd             |
| receiverPartyReference | SimplePayment                 | fpml-shared-4-4.xsd                |
| recoveryRate           | CreditCurveValuation          | fpml-mktenv-4-4.xsd                |
| recoveryRateCurve      | CreditCurveValuation          | fpml-mktenv-4-4.xsd                |
| redemptionDate         | ConvertibleBond               | fpml-asset-4-4.xsd                 |

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|---------------------------------|--------------------------------------|--|
| referenceAmount                 | LegAmount                            | fpml-eq-shared-4-4.xsd                 |
| referenceBank                   | CashSettlementReferenceBanks         | fpml-shared-4-4.xsd                    |
| referenceBankId                 | ReferenceBank                        | fpml-shared-4-4.xsd                    |
| referenceBankName               | ReferenceBank                        | fpml-shared-4-4.xsd                    |
| referenceCurrency               | FxFeature                            | fpml-option-shared-4-4.xsd             |
| referenceCurrency               | NonDeliverableSettlement             | fpml-ird-4-4.xsd                       |
| referenceEntity                 | CreditCurve                          | fpml-mktenv-4-4.xsd                    |
| referenceEntity                 | CreditEventNoticeDocument            | fpml-credit-event-notification-4-4.xsd |
| referenceEntity                 | ReferenceInformation                 | fpml-cd-4-4.xsd                        |
| referenceEntity                 | ReferencePair                        | fpml-cd-4-4.xsd                        |
| referenceEntity                 | SimpleCreditDefaultSwap              | fpml-asset-4-4.xsd                     |
| referenceEntity                 | TradeUnderlyer                       | fpml-reconciliation-4-4.xsd            |
| referenceInformation            | GeneralTerms                         | fpml-cd-4-4.xsd                        |
| referenceObligation             | ReferenceInformation                 | fpml-cd-4-4.xsd                        |
| referenceObligation             | ReferencePair                        | fpml-cd-4-4.xsd                        |
| referencePair                   | ReferencePoolItem                    | fpml-cd-4-4.xsd                        |
| referencePolicy                 | ReferenceInformation                 | fpml-cd-4-4.xsd                        |
| referencePool                   | BasketReferenceInformation           | fpml-cd-4-4.xsd                        |
| referencePoolItem               | ReferencePool                        | fpml-cd-4-4.xsd                        |
| referencePrice                  | ReferenceInformation                 | fpml-cd-4-4.xsd                        |
| referenceSwapCurve              | BondOptionStrike                     | fpml-bond-option-4-4.xsd               |
| refusalAllowed                  | FacilityRepayment                    | fpml-loan-4-4.xsd                      |
| relatedExchangedId              | ExchangeTraded                       | fpml-asset-4-4.xsd                     |
| relativeDate                    | AdjustableDatesOrRelativeDateOffset  | fpml-shared-4-4.xsd                    |
| relativeDate                    | AdjustableOrRelativeDate             | fpml-shared-4-4.xsd                    |
| relativeDate                    | CashSettlementPaymentDate            | fpml-ird-4-4.xsd                       |
| relativeDate                    | Composite                            | fpml-option-shared-4-4.xsd             |
| relativeDate                    | ScheduledTerminationDate             | fpml-cd-4-4.xsd                        |
| relativeDateAdjustments         | AdjustedRelativeDateOffset           | fpml-shared-4-4.xsd                    |
| relativeDates                   | AdjustableOrRelativeDates            | fpml-shared-4-4.xsd                    |
| relativeDates                   | AdjustableRelativeOrPeriodicDates2   | fpml-shared-4-4.xsd                    |
| relativeDateSequence            | AdjustableDateOrRelativeDateSequence | fpml-eq-shared-4-4.xsd                 |
| relativeDateSequence            | AdjustableRelativeOrPeriodicDates    | fpml-shared-4-4.xsd                    |
| relativeEffectiveDate           | CalculationPeriodDates               | fpml-ird-4-4.xsd                       |
| relativeTerminationDate         | CalculationPeriodDates               | fpml-ird-4-4.xsd                       |
| relevantJurisdiction            | EquitySwapTransactionSupplement      | fpml-return-swaps-4-4.xsd              |
| relevantUnderlyingDate          | AmericanExercise                     | fpml-shared-4-4.xsd                    |
| relevantUnderlyingDate          | BermudaExercise                      | fpml-shared-4-4.xsd                    |
| relevantUnderlyingDate          | EuropeanExercise                     | fpml-shared-4-4.xsd                    |
| relevantUnderlyingDateReference | FinalCalculationPeriodDateAdjustment | fpml-ird-4-4.xsd                       |
| remainingParty                  | ContractNovation                     | fpml-doc-4-4.xsd                       |
| remainingParty                  | Novation                             | fpml-posttrade-4-4.xsd                 |
| remainingTrade                  | Novation                             | fpml-posttrade-4-4.xsd                 |
| removedPosition                 | PositionsAcknowledged                | fpml-reconciliation-4-4.xsd            |
| removePosition                  | PositionsAsserted                    | fpml-reconciliation-4-4.xsd            |
| repayment                       | RepaymentNotice                      | fpml-loan-4-4.xsd                      |
| repaymentDate                   | FacilityRepayment                    | fpml-loan-4-4.xsd                      |
| replaceAllPositions             | PositionsAsserted                    | fpml-reconciliation-4-4.xsd            |
| replacement                     | ValuationScenario                    | fpml-riskdef-4-4.xsd                   |
| replacementInputReference       | PricingInputReplacement              | fpml-riskdef-4-4.xsd                   |
| replacementMarketInput          | DerivativeCalculationProcedure       | fpml-riskdef-4-4.xsd                   |
| reportingRoles                  | AssertedPosition                     | fpml-reconciliation-4-4.xsd            |
| reportingRoles                  | Position                             | fpml-valuation-4-4.xsd                 |
| reportingRoles                  | PositionProposedMatch                | fpml-reconciliation-4-4.xsd            |
| representations                 | ExtraordinaryEvents                  | fpml-eq-shared-4-4.xsd                 |
| repudiationMoratorium           | CreditEvents                         | fpml-option-shared-4-4.xsd             |
| requestedPositions              | RequestPortfolio                     | fpml-reconciliation-4-4.xsd            |

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| requestedPositions           | RequestPositionReport        | fpml-reporting-4-4.xsd                 |  |
| resetDate                    | FxLinkedNotionalAmount       | fpml-ird-4-4.xsd                       |  |
| resetDate                    | RateObservation              | fpml-shared-4-4.xsd                    |  |
| resetDates                   | InterestRateStream           | fpml-ird-4-4.xsd                       |  |
| resetDatesAdjustments        | ResetDates                   | fpml-ird-4-4.xsd                       |  |
| resetDatesReference          | PaymentDates                 | fpml-ird-4-4.xsd                       |  |
| resetFrequency               | InterestLegResetDates        | fpml-eq-shared-4-4.xsd                 |  |
| resetFrequency               | ResetDates                   | fpml-ird-4-4.xsd                       |  |
| resetRelativeTo              | InterestLegResetDates        | fpml-eq-shared-4-4.xsd                 |  |
| resetRelativeTo              | ResetDates                   | fpml-ird-4-4.xsd                       |  |
| resourceId                   | Resource                     | fpml-credit-event-notification-4-4.xsd |  |
| restructuring                | CreditEvents                 | fpml-option-shared-4-4.xsd             |  |
| restructuringType            | Restructuring                | fpml-option-shared-4-4.xsd             |  |
| return                       | DeprecatedEquityLeg          | fpml-return-swaps-4-4.xsd              |  |
| return                       | ReturnLeg                    | fpml-eq-shared-4-4.xsd                 |  |
| returnType                   | Return                       | fpml-eq-shared-4-4.xsd                 |  |
| revenueObligationLiability   | DeliverableObligations       | fpml-cd-4-4.xsd                        |  |
| revenueObligationLiability   | Obligations                  | fpml-cd-4-4.xsd                        |  |
| revisedTrade                 | TradeExecutionModified       | fpml-trade-notification-4-4.xsd        |  |
| rollConvention               | CalculationPeriodFrequency   | fpml-shared-4-4.xsd                    |  |
| rollConvention               | PeriodicPayment              | fpml-cd-4-4.xsd                        |  |
| roundingDirection            | Rounding                     | fpml-shared-4-4.xsd                    |  |
| routingAccountNumber         | RoutingExplicitDetails       | fpml-shared-4-4.xsd                    |  |
| routingAccountNumber         | RoutingIdsAndExplicitDetails | fpml-shared-4-4.xsd                    |  |
| routingAddress               | RoutingExplicitDetails       | fpml-shared-4-4.xsd                    |  |
| routingAddress               | RoutingIdsAndExplicitDetails | fpml-shared-4-4.xsd                    |  |
| routingExplicitDetails       | Beneficiary                  | fpml-shared-4-4.xsd                    |  |
| routingExplicitDetails       | CorrespondentInformation     | fpml-shared-4-4.xsd                    |  |
| routingExplicitDetails       | IntermediaryInformation      | fpml-shared-4-4.xsd                    |  |
| routingExplicitDetails       | Routing                      | fpml-shared-4-4.xsd                    |  |
| routingId                    | RoutingIds                   | fpml-shared-4-4.xsd                    |  |
| routingIds                   | Beneficiary                  | fpml-shared-4-4.xsd                    |  |
| routingIds                   | CorrespondentInformation     | fpml-shared-4-4.xsd                    |  |
| routingIds                   | IntermediaryInformation      | fpml-shared-4-4.xsd                    |  |
| routingIds                   | Routing                      | fpml-shared-4-4.xsd                    |  |
| routingIds                   | RoutingIdsAndExplicitDetails | fpml-shared-4-4.xsd                    |  |
| routingIdsAndExplicitDetails | Beneficiary                  | fpml-shared-4-4.xsd                    |  |
| routingIdsAndExplicitDetails | CorrespondentInformation     | fpml-shared-4-4.xsd                    |  |
| routingIdsAndExplicitDetails | IntermediaryInformation      | fpml-shared-4-4.xsd                    |  |
| routingIdsAndExplicitDetails | Routing                      | fpml-shared-4-4.xsd                    |  |
| routingName                  | RoutingExplicitDetails       | fpml-shared-4-4.xsd                    |  |
| routingName                  | RoutingIdsAndExplicitDetails | fpml-shared-4-4.xsd                    |  |
| routingReferenceText         | RoutingExplicitDetails       | fpml-shared-4-4.xsd                    |  |
| routingReferenceText         | RoutingIdsAndExplicitDetails | fpml-shared-4-4.xsd                    |  |
| scale                        | SensitivitySetDefinition     | fpml-riskdef-4-4.xsd                   |  |
| schedule                     | AveragingPeriod              | fpml-option-shared-4-4.xsd             |  |
| schedule                     | TriggerEvent                 | fpml-option-shared-4-4.xsd             |  |
| scheduleBounds               | RelativeDates                | fpml-shared-4-4.xsd                    |  |
| scheduledDate                | AssertedPosition             | fpml-reconciliation-4-4.xsd            |  |
| scheduledDate                | Position                     | fpml-valuation-4-4.xsd                 |  |
| scheduledDate                | PositionProposedMatch        | fpml-reconciliation-4-4.xsd            |  |
| scheduledDate                | ScheduledDates               | fpml-valuation-4-4.xsd                 |  |
| scheduledTerminationDate     | GeneralTerms                 | fpml-cd-4-4.xsd                        |  |
| secondaryRateSource          | FxAverageRateOption          | fpml-fx-4-4.xsd                        |  |
| secondaryRateSource          | FxSpotRateSource             | fpml-shared-4-4.xsd                    |  |
| sector                       | Mortgage                     | fpml-asset-4-4.xsd                     |  |
| secured                      | CreditCurve                  | fpml-mktnv-4-4.xsd                     |  |

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| securedList                            | ReferenceInformation              | fpml-cd-4-4.xsd            |
| seller                                 | Strike                            | fpml-shared-4-4.xsd        |
| seller                                 | StrikeSchedule                    | fpml-shared-4-4.xsd        |
| sellerPartyReference                   | CancelableProvision               | fpml-ird-4-4.xsd           |
| sellerPartyReference                   | EquityDerivativeBase              | fpml-eqd-4-4.xsd           |
| sellerPartyReference                   | ExtendibleProvision               | fpml-ird-4-4.xsd           |
| sellerPartyReference                   | Fra                               | fpml-ird-4-4.xsd           |
| sellerPartyReference                   | FxAverageRateOption               | fpml-fx-4-4.xsd            |
| sellerPartyReference                   | FxDigitalOption                   | fpml-fx-4-4.xsd            |
| sellerPartyReference                   | FxOptionLeg                       | fpml-fx-4-4.xsd            |
| sellerPartyReference                   | GeneralTerms                      | fpml-cd-4-4.xsd            |
| sellerPartyReference                   | NotifyingParty                    | fpml-option-shared-4-4.xsd |
| sellerPartyReference                   | OptionBase                        | fpml-option-shared-4-4.xsd |
| sellerPartyReference                   | ReturnSwapBase                    | fpml-eq-shared-4-4.xsd     |
| sellerPartyReference                   | SinglePartyOption                 | fpml-ird-4-4.xsd           |
| sellerPartyReference                   | Swaption                          | fpml-ird-4-4.xsd           |
| sendTo                                 | NotificationMessageHeader         | fpml-msg-4-4.xsd           |
| sendTo                                 | RequestMessageHeader              | fpml-msg-4-4.xsd           |
| sendTo                                 | ResponseMessageHeader             | fpml-msg-4-4.xsd           |
| seniority                              | Bond                              | fpml-asset-4-4.xsd         |
| seniority                              | CreditCurve                       | fpml-mktenv-4-4.xsd        |
| seniority                              | Mortgage                          | fpml-asset-4-4.xsd         |
| sensitivity                            | SensitivitySet                    | fpml-valuation-4-4.xsd     |
| sensitivityCharacteristics             | SensitivitySetDefinition          | fpml-riskdef-4-4.xsd       |
| sensitivityDefinition                  | SensitivitySetDefinition          | fpml-riskdef-4-4.xsd       |
| sensitivitySet                         | Quotation                         | fpml-valuation-4-4.xsd     |
| sensitivitySetDefinition               | ValuationSet                      | fpml-valuation-4-4.xsd     |
| sentBy                                 | NotificationMessageHeader         | fpml-msg-4-4.xsd           |
| sentBy                                 | RequestMessageHeader              | fpml-msg-4-4.xsd           |
| sentBy                                 | ResponseMessageHeader             | fpml-msg-4-4.xsd           |
| sequence                               | DateOffset                        | fpml-shared-4-4.xsd        |
| settledEntityMatrix                    | IndexReferenceInformation         | fpml-cd-4-4.xsd            |
| settlementAmount                       | DirectionalLegUnderlyer           | fpml-eq-shared-4-4.xsd     |
| settlementAmount                       | EquityOptionTermination           | fpml-eqd-4-4.xsd           |
| settlementAmount                       | OptionBaseExtended                | fpml-option-shared-4-4.xsd |
| settlementAmountPaymentDate            | EquityOptionTermination           | fpml-eqd-4-4.xsd           |
| settlementCurrency                     | DirectionalLegUnderlyer           | fpml-eq-shared-4-4.xsd     |
| settlementCurrency                     | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| settlementCurrency                     | FxCashSettlement                  | fpml-shared-4-4.xsd        |
| settlementCurrency                     | OptionBaseExtended                | fpml-option-shared-4-4.xsd |
| settlementCurrency                     | SettlementProvision               | fpml-ird-4-4.xsd           |
| settlementCurrency                     | SettlementTerms                   | fpml-cd-4-4.xsd            |
| settlementCurrencyYieldCurve           | FxCurveValuation                  | fpml-mktenv-4-4.xsd        |
| settlementDate                         | DirectionalLegUnderlyer           | fpml-eq-shared-4-4.xsd     |
| settlementDate                         | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| settlementDate                         | OptionBaseExtended                | fpml-option-shared-4-4.xsd |
| settlementInformation                  | FxOptionPayout                    | fpml-fx-4-4.xsd            |
| settlementInformation                  | FxOptionPremium                   | fpml-fx-4-4.xsd            |
| settlementInformation                  | Payment                           | fpml-shared-4-4.xsd        |
| settlementInstruction                  | SettlementInformation             | fpml-shared-4-4.xsd        |
| settlementMethod                       | SettlementInstruction             | fpml-shared-4-4.xsd        |
| settlementMethodElectingPartyReference | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| settlementMethodElectionDate           | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| settlementPriceSource                  | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| settlementProvision                    | InterestRateStream                | fpml-ird-4-4.xsd           |
| settlementRateOption                   | NonDeliverableSettlement          | fpml-ird-4-4.xsd           |
| settlementRateSource                   | YieldCurveMethod                  | fpml-ird-4-4.xsd           |



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| settlementTermsReference      | ReferencePoolItem                 | fpml-cd-4-4.xsd                        |
| settlementType                | DirectionalLegUnderlyer           | fpml-eq-shared-4-4.xsd                 |
| settlementType                | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd                       |
| settlementType                | OptionBaseExtended                | fpml-option-shared-4-4.xsd             |
| settler                       | TradeSide                         | fpml-doc-4-4.xsd                       |
| shareAmount                   | ParticipationAmount               | fpml-loan-4-4.xsd                      |
| shareCommitmentAmount         | LenderLoanContractPeriod          | fpml-loan-4-4.xsd                      |
| shareForCombined              | EquityCorporateEvents             | fpml-eq-shared-4-4.xsd                 |
| shareForOther                 | EquityCorporateEvents             | fpml-eq-shared-4-4.xsd                 |
| shareForShare                 | EquityCorporateEvents             | fpml-eq-shared-4-4.xsd                 |
| shareInterestAccrualAmount    | InterestAccrualPeriod             | fpml-loan-4-4.xsd                      |
| shareLoanContractAmount       | DrawdownPayment                   | fpml-loan-4-4.xsd                      |
| shareLoanContractAmount       | LenderLoanContractPeriod          | fpml-loan-4-4.xsd                      |
| sharePikAccrualAmount         | InterestAccrualPeriod             | fpml-loan-4-4.xsd                      |
| shift                         | DerivedValuationScenario          | fpml-valuation-4-4.xsd                 |
| shift                         | PricingParameterShift             | fpml-riskdef-4-4.xsd                   |
| shift                         | ValuationScenario                 | fpml-riskdef-4-4.xsd                   |
| shiftUnits                    | PricingParameterShift             | fpml-riskdef-4-4.xsd                   |
| side                          | BasicQuotation                    | fpml-asset-4-4.xsd                     |
| side                          | MultiDimensionalPricingData       | fpml-mktenv-4-4.xsd                    |
| side                          | PricingStructurePoint             | fpml-mktenv-4-4.xsd                    |
| side                          | Quotation                         | fpml-valuation-4-4.xsd                 |
| side                          | QuotationCharacteristics          | fpml-asset-4-4.xsd                     |
| side                          | SwapCurveValuation                | fpml-bond-option-4-4.xsd               |
| sideRateBasis                 | SideRate                          | fpml-fx-4-4.xsd                        |
| sideRates                     | ExchangeRate                      | fpml-fx-4-4.xsd                        |
| singlePartyOption             | OptionalEarlyTermination          | fpml-ird-4-4.xsd                       |
| singlePayment                 | FeeLeg                            | fpml-cd-4-4.xsd                        |
| singleUnderlyer               | Underlyer                         | fpml-asset-4-4.xsd                     |
| singleValuationDate           | ValuationDate                     | fpml-cd-4-4.xsd                        |
| sixtyBusinessDaySettlementCap | PhysicalSettlementTerms           | fpml-cd-4-4.xsd                        |
| sizeInBytes                   | Resource                          | fpml-credit-event-notification-4-4.xsd |
| specificRate                  | CompoundingRate                   | fpml-eq-shared-4-4.xsd                 |
| specifiedCurrency             | DeliverableObligations            | fpml-cd-4-4.xsd                        |
| specifiedCurrency             | Obligations                       | fpml-cd-4-4.xsd                        |
| specifiedNumber               | PubliclyAvailableInformation      | fpml-option-shared-4-4.xsd             |
| splitSettlement               | SettlementInstruction             | fpml-shared-4-4.xsd                    |
| splitSettlementAmount         | SplitSettlement                   | fpml-shared-4-4.xsd                    |
| splitTicket                   | ExerciseProcedure                 | fpml-shared-4-4.xsd                    |
| spotDate                      | PricingStructureValuation         | fpml-riskdef-4-4.xsd                   |
| spotPrice                     | EquityDerivativeShortFormBase     | fpml-eqd-4-4.xsd                       |
| spotPrice                     | EquityOption                      | fpml-eqd-4-4.xsd                       |
| spotRate                      | ExchangeRate                      | fpml-fx-4-4.xsd                        |
| spotRate                      | FxAverageRateOption               | fpml-fx-4-4.xsd                        |
| spotRate                      | FxBarrierOption                   | fpml-fx-4-4.xsd                        |
| spotRate                      | FxCurveValuation                  | fpml-mktenv-4-4.xsd                    |
| spotRate                      | FxDigitalOption                   | fpml-fx-4-4.xsd                        |
| spotRate                      | SideRate                          | fpml-fx-4-4.xsd                        |
| spread                        | CashflowFixing                    | fpml-reconciliation-4-4.xsd            |
| spread                        | CreditOptionStrike                | fpml-cd-4-4.xsd                        |
| spread                        | FloatingRateDefinition            | fpml-ird-4-4.xsd                       |
| spread                        | SwapCurveValuation                | fpml-bond-option-4-4.xsd               |
| spreadSchedule                | FloatingRate                      | fpml-shared-4-4.xsd                    |
| spreadValue                   | TermPoint                         | fpml-mktenv-4-4.xsd                    |
| standardPublicSources         | PubliclyAvailableInformation      | fpml-option-shared-4-4.xsd             |
| standardSettlementStyle       | SettlementInformation             | fpml-shared-4-4.xsd                    |
| startDate                     | AveragingSchedule                 | fpml-option-shared-4-4.xsd             |

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|-----------------------------|--------------------------------------|-----------------------------|
| startDate                   | FeeAccrualPeriod                     | fpml-loan-4-4.xsd           |
| startDate                   | FxTermsSchedule                      | fpml-loan-4-4.xsd           |
| startDate                   | InterestAccrualPeriod                | fpml-loan-4-4.xsd           |
| startDate                   | InterestRatePeriod                   | fpml-loan-4-4.xsd           |
| startDate                   | LenderLoanContractPeriod             | fpml-loan-4-4.xsd           |
| startDate                   | LenderPositionPeriod                 | fpml-loan-4-4.xsd           |
| startDate                   | OnGoingFeePayment                    | fpml-loan-4-4.xsd           |
| startDate                   | PikPeriod                            | fpml-loan-4-4.xsd           |
| startDate                   | RatePeriod                           | fpml-loan-4-4.xsd           |
| startDate                   | TermDeposit                          | fpml-fx-4-4.xsd             |
| startingDate                | ReturnSwapEarlyTermination           | fpml-eq-shared-4-4.xsd      |
| startTerm                   | SimpleFra                            | fpml-asset-4-4.xsd          |
| state                       | Address                              | fpml-shared-4-4.xsd         |
| status                      | Approval                             | fpml-doc-4-4.xsd            |
| status                      | PositionMatchResult                  | fpml-reconciliation-4-4.xsd |
| status                      | TradeCashflowsMatchResult            | fpml-reconciliation-4-4.xsd |
| step                        | CalculationAmount                    | fpml-cd-4-4.xsd             |
| step                        | Schedule                             | fpml-shared-4-4.xsd         |
| stepDate                    | Step                                 | fpml-shared-4-4.xsd         |
| stepFrequency               | NotionalStepRule                     | fpml-ird-4-4.xsd            |
| stepRelativeTo              | NotionalStepRule                     | fpml-ird-4-4.xsd            |
| stepUpProvision             | FloatingAmountProvisions             | fpml-cd-4-4.xsd             |
| stepValue                   | Step                                 | fpml-shared-4-4.xsd         |
| strategyFeature             | EquityDerivativeBase                 | fpml-eqd-4-4.xsd            |
| strategyFeature             | OptionFeature                        | fpml-option-shared-4-4.xsd  |
| streetAddress               | Address                              | fpml-shared-4-4.xsd         |
| streetLine                  | StreetAddress                        | fpml-shared-4-4.xsd         |
| strike                      | BondOption                           | fpml-bond-option-4-4.xsd    |
| strike                      | CreditDefaultSwapOption              | fpml-cd-4-4.xsd             |
| strike                      | EquityDerivativeShortFormBase        | fpml-eqd-4-4.xsd            |
| strike                      | EquityOption                         | fpml-eqd-4-4.xsd            |
| strike                      | PricingDataPointCoordinate           | fpml-riskdef-4-4.xsd        |
| strikeDeterminationDate     | EquityStrike                         | fpml-eq-shared-4-4.xsd      |
| strikeFactor                | Asian                                | fpml-option-shared-4-4.xsd  |
| strikePercentage            | EquityStrike                         | fpml-eq-shared-4-4.xsd      |
| strikePercentage            | OptionNumericStrike                  | fpml-option-shared-4-4.xsd  |
| strikePrice                 | EquityStrike                         | fpml-eq-shared-4-4.xsd      |
| strikePrice                 | OptionNumericStrike                  | fpml-option-shared-4-4.xsd  |
| strikeQuoteBasis            | FxStrikePrice                        | fpml-fx-4-4.xsd             |
| strikeRate                  | Strike                               | fpml-shared-4-4.xsd         |
| strikeReference             | CreditOptionStrike                   | fpml-cd-4-4.xsd             |
| strikeSpread                | StrategyFeature                      | fpml-option-shared-4-4.xsd  |
| stubAmount                  | StubValue                            | fpml-shared-4-4.xsd         |
| stubCalculationPeriod       | InterestLeg                          | fpml-eq-shared-4-4.xsd      |
| stubCalculationPeriodAmount | InterestRateStream                   | fpml-ird-4-4.xsd            |
| stubEndDate                 | Stub                                 | fpml-shared-4-4.xsd         |
| stubPeriodType              | CalculationPeriodDates               | fpml-ird-4-4.xsd            |
| stubRate                    | StubValue                            | fpml-shared-4-4.xsd         |
| stubStartDate               | Stub                                 | fpml-shared-4-4.xsd         |
| submissionsComplete         | PositionsAsserted                    | fpml-reconciliation-4-4.xsd |
| substitution                | GeneralTerms                         | fpml-cd-4-4.xsd             |
| swapPremium                 | EquityPremium                        | fpml-eq-shared-4-4.xsd      |
| swapStream                  | Swap                                 | fpml-ird-4-4.xsd            |
| swapStreamReference         | FinalCalculationPeriodDateAdjustment | fpml-ird-4-4.xsd            |
| swaptionAdjustedDates       | Swaption                             | fpml-ird-4-4.xsd            |
| swaptionStraddle            | Swaption                             | fpml-ird-4-4.xsd            |
| swapUnwindValue             | ReferenceSwapCurve                   | fpml-bond-option-4-4.xsd    |

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|--------------------------|-------------------------------------|-------------------------------------|
| tenderOffer              | ExtraordinaryEvents                 | fpml-eq-shared-4-4.xsd              |
| tenderOfferEvents        | ExtraordinaryEvents                 | fpml-eq-shared-4-4.xsd              |
| tenor                    | InterestRatePeriod                  | fpml-loan-4-4.xsd                   |
| tenor                    | TimeDimension                       | fpml-riskdef-4-4.xsd                |
| tenor                    | TimeDimension                       | fpml-riskdef-4-4.xsd                |
| term                     | Deposit                             | fpml-asset-4-4.xsd                  |
| term                     | DerivativeFormula                   | fpml-riskdef-4-4.xsd                |
| term                     | PricingDataPointCoordinate          | fpml-riskdef-4-4.xsd                |
| term                     | RateIndex                           | fpml-asset-4-4.xsd                  |
| term                     | SensitivityDefinition               | fpml-riskdef-4-4.xsd                |
| term                     | SimpleCreditDefaultSwap             | fpml-asset-4-4.xsd                  |
| term                     | SimpleIRSwap                        | fpml-asset-4-4.xsd                  |
| term                     | TermPoint                           | fpml-mktenv-4-4.xsd                 |
| termination              | ContractFullTermination             | fpml-contract-notification-4-4.xsd  |
| termination              | ContractFullTerminationCancelled    | fpml-contract-notification-4-4.xsd  |
| termination              | ContractPartialTermination          | fpml-contract-notification-4-4.xsd  |
| termination              | ContractPartialTerminationCancelled | fpml-contract-notification-4-4.xsd  |
| termination              | RequestTerminationConfirmation      | fpml-posttrade-confirmation-4-4.xsd |
| termination              | TerminationConfirmed                | fpml-posttrade-confirmation-4-4.xsd |
| termination              | TradeTerminationRequest             | fpml-posttrade-negotiation-4-4.xsd  |
| termination              | TradeTerminationResponse            | fpml-posttrade-negotiation-4-4.xsd  |
| terminationDate          | CalculationPeriodDates              | fpml-ird-4-4.xsd                    |
| terminationDate          | DeprecatedEquityLeg                 | fpml-return-swaps-4-4.xsd           |
| terminationDate          | DirectionalLeg                      | fpml-eq-shared-4-4.xsd              |
| terminationDate          | InterestLegCalculationPeriodDates   | fpml-eq-shared-4-4.xsd              |
| terminationDate          | ReturnSwapLegUnderlyer              | fpml-eq-shared-4-4.xsd              |
| terminationDate          | TradeDetails                        | fpml-reconciliation-4-4.xsd         |
| terminationEffectiveDate | Termination                         | fpml-posttrade-4-4.xsd              |
| terminationTradeDate     | Termination                         | fpml-posttrade-4-4.xsd              |
| thresholdRate            | AutomaticExercise                   | fpml-shared-4-4.xsd                 |
| time                     | BasicQuotation                      | fpml-asset-4-4.xsd                  |
| time                     | FeaturePayment                      | fpml-option-shared-4-4.xsd          |
| time                     | MultiDimensionalPricingData         | fpml-mktenv-4-4.xsd                 |
| time                     | PricingStructurePoint               | fpml-mktenv-4-4.xsd                 |
| time                     | Quotation                           | fpml-valuation-4-4.xsd              |
| time                     | QuotationCharacteristics            | fpml-asset-4-4.xsd                  |
| timing                   | BasicQuotation                      | fpml-asset-4-4.xsd                  |
| timing                   | MultiDimensionalPricingData         | fpml-mktenv-4-4.xsd                 |
| timing                   | PricingStructurePoint               | fpml-mktenv-4-4.xsd                 |
| timing                   | Quotation                           | fpml-valuation-4-4.xsd              |
| timing                   | QuotationCharacteristics            | fpml-asset-4-4.xsd                  |
| touchCondition           | FxAmericanTrigger                   | fpml-fx-4-4.xsd                     |
| trade                    | AcceptQuote                         | fpml-pretrade-4-4.xsd               |
| trade                    | AffectedTransactions                | fpml-posttrade-4-4.xsd              |
| trade                    | AllocationCancelled                 | fpml-allocation-4-4.xsd             |
| trade                    | AllocationCreated                   | fpml-allocation-4-4.xsd             |
| trade                    | Amendment                           | fpml-doc-4-4.xsd                    |
| trade                    | DataDocument                        | fpml-doc-4-4.xsd                    |
| trade                    | Increase                            | fpml-doc-4-4.xsd                    |
| trade                    | ModifyTradeConfirmation             | fpml-confirmation-4-4.xsd           |
| trade                    | ModifyTradeMatch                    | fpml-tradeexec-4-4.xsd              |
| trade                    | PositionConstituent                 | fpml-valuation-4-4.xsd              |
| trade                    | QuoteAcceptanceConfirmed            | fpml-pretrade-4-4.xsd               |
| trade                    | RequestTradeConfirmation            | fpml-confirmation-4-4.xsd           |
| trade                    | RequestTradeMatch                   | fpml-tradeexec-4-4.xsd              |
| trade                    | Termination                         | fpml-posttrade-4-4.xsd              |
| trade                    | TradeAffirmation                    | fpml-confirmation-4-4.xsd           |

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|-----------------------|-----------------------------|------------------------------------|
| trade                 | TradeAmended                | fpml-trade-notification-4-4.xsd    |
| trade                 | TradeCancelled              | fpml-trade-notification-4-4.xsd    |
| trade                 | TradeConfirmed              | fpml-confirmation-4-4.xsd          |
| trade                 | TradeCreated                | fpml-trade-notification-4-4.xsd    |
| trade                 | TradeErrorResponse          | fpml-msg-4-4.xsd                   |
| trade                 | TradeExecution              | fpml-trade-notification-4-4.xsd    |
| trade                 | TradeExecutionCancelled     | fpml-trade-notification-4-4.xsd    |
| trade                 | TradeNotFound               | fpml-msg-4-4.xsd                   |
| trade                 | TradeValuationItem          | fpml-reporting-4-4.xsd             |
| tradeCashflowsId      | AllegedCashflow             | fpml-reconciliation-4-4.xsd        |
| tradeCashflowsId      | AssertedCashflow            | fpml-reconciliation-4-4.xsd        |
| tradeCashflowsId      | CancelTradeCashflows        | fpml-reconciliation-4-4.xsd        |
| tradeCashflowsId      | TradeCashflowsAsserted      | fpml-reconciliation-4-4.xsd        |
| tradeCashflowsId      | TradeCashflowsProposedMatch | fpml-reconciliation-4-4.xsd        |
| tradeDate             | TradeDetails                | fpml-reconciliation-4-4.xsd        |
| tradeDate             | TradeHeader                 | fpml-doc-4-4.xsd                   |
| tradeDetails          | TradeIdentifyingItems       | fpml-reconciliation-4-4.xsd        |
| tradeHeader           | Trade                       | fpml-doc-4-4.xsd                   |
| tradeId               | Portfolio                   | fpml-doc-4-4.xsd                   |
| tradeId               | TradeIdentifier             | fpml-doc-4-4.xsd                   |
| tradeId               | VersionedTradeId            | fpml-doc-4-4.xsd                   |
| tradeIdentifier       | BestFitTrade                | fpml-doc-4-4.xsd                   |
| tradeIdentifier       | ConfirmationCancelled       | fpml-confirmation-4-4.xsd          |
| tradeIdentifier       | RequestTradeStatus          | fpml-msg-4-4.xsd                   |
| tradeIdentifier       | TradeAffirmed               | fpml-confirmation-4-4.xsd          |
| tradeIdentifier       | TradeAlleged                | fpml-matching-status-4-4.xsd       |
| tradeIdentifier       | TradeAlreadyMatched         | fpml-tradeexec-4-4.xsd             |
| tradeIdentifier       | TradeAlreadySubmitted       | fpml-msg-4-4.xsd                   |
| tradeIdentifier       | TradeCancelled              | fpml-trade-notification-4-4.xsd    |
| tradeIdentifier       | TradeExecutionCancelled     | fpml-trade-notification-4-4.xsd    |
| tradeIdentifier       | TradeMatched                | fpml-matching-status-4-4.xsd       |
| tradeIdentifier       | TradeMismatched             | fpml-matching-status-4-4.xsd       |
| tradeIdentifier       | TradeNotFound               | fpml-msg-4-4.xsd                   |
| tradeIdentifier       | TradeStatusItem             | fpml-msg-4-4.xsd                   |
| tradeIdentifier       | TradeUnmatched              | fpml-matching-status-4-4.xsd       |
| tradeIdentifyingItems | AllegedCashflow             | fpml-reconciliation-4-4.xsd        |
| tradeIdentifyingItems | AssertedCashflow            | fpml-reconciliation-4-4.xsd        |
| tradeIdentifyingItems | CancelTradeCashflows        | fpml-reconciliation-4-4.xsd        |
| tradeIdentifyingItems | TradeCashflowsAsserted      | fpml-reconciliation-4-4.xsd        |
| tradeIdentifyingItems | TradeCashflowsProposedMatch | fpml-reconciliation-4-4.xsd        |
| trader                | PartyTradeInformation       | fpml-doc-4-4.xsd                   |
| tradeReference        | AffectedTransactions        | fpml-posttrade-4-4.xsd             |
| tradeReference        | ContractCreated             | fpml-contract-notification-4-4.xsd |
| tradeReference        | Increase                    | fpml-doc-4-4.xsd                   |
| tradeReference        | PositionConstituent         | fpml-valuation-4-4.xsd             |
| tradeReference        | Termination                 | fpml-posttrade-4-4.xsd             |
| tradeReference        | TradeErrorResponse          | fpml-msg-4-4.xsd                   |
| tradeReference        | TradeNotFound               | fpml-msg-4-4.xsd                   |
| tradeSide             | Trade                       | fpml-doc-4-4.xsd                   |
| tradeStatusItem       | TradeStatus                 | fpml-msg-4-4.xsd                   |
| tradeStatusValue      | TradeStatusItem             | fpml-msg-4-4.xsd                   |
| tradeValuationItem    | PortfolioValuationItem      | fpml-reporting-4-4.xsd             |
| tradeValuationItem    | RequestValuationReport      | fpml-reporting-4-4.xsd             |
| tradeValuationItem    | ValuationReport             | fpml-reporting-4-4.xsd             |
| tranche               | BasketReferenceInformation  | fpml-cd-4-4.xsd                    |
| tranche               | IndexReferenceInformation   | fpml-cd-4-4.xsd                    |
| tranche               | Loan                        | fpml-asset-4-4.xsd                 |

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|---------------------------------|-----------------------------|-----------------------------|
| tranche                         | Mortgage                    | fpml-asset-4-4.xsd          |
| transferable                    | DeliverableObligations      | fpml-cd-4-4.xsd             |
| transferee                      | ContractNovation            | fpml-doc-4-4.xsd            |
| transferee                      | Novation                    | fpml-posttrade-4-4.xsd      |
| transferor                      | ContractNovation            | fpml-doc-4-4.xsd            |
| transferor                      | Novation                    | fpml-posttrade-4-4.xsd      |
| treatedForecastRate             | RateObservation             | fpml-shared-4-4.xsd         |
| treatedRate                     | RateObservation             | fpml-shared-4-4.xsd         |
| trigger                         | TriggerEvent                | fpml-option-shared-4-4.xsd  |
| triggerCondition                | FxEuropeanTrigger           | fpml-fx-4-4.xsd             |
| triggerDates                    | TriggerEvent                | fpml-option-shared-4-4.xsd  |
| triggerPayout                   | FxBarrierOption             | fpml-fx-4-4.xsd             |
| triggerPayout                   | FxDigitalOption             | fpml-fx-4-4.xsd             |
| triggerRate                     | FxAmericanTrigger           | fpml-fx-4-4.xsd             |
| triggerRate                     | FxBarrier                   | fpml-fx-4-4.xsd             |
| triggerRate                     | FxEuropeanTrigger           | fpml-fx-4-4.xsd             |
| type                            | Approval                    | fpml-doc-4-4.xsd            |
| type                            | ContractualTermsSupplement  | fpml-shared-4-4.xsd         |
| type                            | CreditSupportAgreement      | fpml-shared-4-4.xsd         |
| type                            | ScheduledDate               | fpml-valuation-4-4.xsd      |
| type                            | SpreadSchedule              | fpml-shared-4-4.xsd         |
| unadjustedDate                  | AdjustableDate              | fpml-shared-4-4.xsd         |
| unadjustedDate                  | AdjustableDate2             | fpml-shared-4-4.xsd         |
| unadjustedDate                  | AdjustableDates             | fpml-shared-4-4.xsd         |
| unadjustedDate                  | ScheduledDate               | fpml-valuation-4-4.xsd      |
| unadjustedEndDate               | CalculationPeriod           | fpml-ird-4-4.xsd            |
| unadjustedEndDate               | DividendPeriod              | fpml-eq-shared-4-4.xsd      |
| unadjustedFirstDate             | DateRange                   | fpml-shared-4-4.xsd         |
| unadjustedLastDate              | DateRange                   | fpml-shared-4-4.xsd         |
| unadjustedPaymentDate           | PaymentCalculationPeriod    | fpml-ird-4-4.xsd            |
| unadjustedPrincipalExchangeDate | PrincipalExchange           | fpml-ird-4-4.xsd            |
| unadjustedStartDate             | CalculationPeriod           | fpml-ird-4-4.xsd            |
| unadjustedStartDate             | DividendPeriod              | fpml-eq-shared-4-4.xsd      |
| unadjustedVarianceCap           | DeprecatedVariance          | fpml-eq-shared-4-4.xsd      |
| unadjustedVarianceCap           | Variance                    | fpml-eq-shared-4-4.xsd      |
| underlyer                       | CashflowCalculationElements | fpml-reconciliation-4-4.xsd |
| underlyer                       | DeprecatedEquityLeg         | fpml-return-swaps-4-4.xsd   |
| underlyer                       | DeprecatedVarianceLeg       | fpml-eq-shared-4-4.xsd      |
| underlyer                       | DirectionalLegUnderlyer     | fpml-eq-shared-4-4.xsd      |
| underlyer                       | EquityDerivativeBase        | fpml-eqd-4-4.xsd            |
| underlyer                       | ReturnSwapLegUnderlyer      | fpml-eq-shared-4-4.xsd      |
| underlyer                       | TradeDetails                | fpml-reconciliation-4-4.xsd |
| underlyerNotional               | BasketConstituent           | fpml-asset-4-4.xsd          |
| underlyerPrice                  | BasketConstituent           | fpml-asset-4-4.xsd          |
| underlyerReference              | CashflowObservation         | fpml-reconciliation-4-4.xsd |
| underlyerReference              | DividendPeriod              | fpml-eq-shared-4-4.xsd      |
| underlyerReference              | PassThroughItem             | fpml-option-shared-4-4.xsd  |
| underlyerReference              | UnderlyerReferenceUnits     | fpml-reconciliation-4-4.xsd |
| underlyerSpread                 | BasketConstituent           | fpml-asset-4-4.xsd          |
| underlyingAssetReference        | PricingStructurePoint       | fpml-mktenv-4-4.xsd         |
| underlyingEquity                | ConvertibleBond             | fpml-asset-4-4.xsd          |
| units                           | CashflowNotional            | fpml-reconciliation-4-4.xsd |
| unknownReferenceObligation      | ReferenceInformation        | fpml-cd-4-4.xsd             |
| unprocessedPosition             | PositionsAcknowledged       | fpml-reconciliation-4-4.xsd |
| upperBarrier                    | BoundedVariance             | fpml-eq-shared-4-4.xsd      |
| upperStrike                     | StrikeSpread                | fpml-option-shared-4-4.xsd  |
| upperStrikeNumberOfOptions      | StrikeSpread                | fpml-option-shared-4-4.xsd  |

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| url                        | Resource                         | fpml-credit-event-notification-4-4.xsd |
| validation                 | DataDocument                     | fpml-doc-4-4.xsd                       |
| validation                 | NotificationMessage              | fpml-msg-4-4.xsd                       |
| validation                 | RequestMessage                   | fpml-msg-4-4.xsd                       |
| validation                 | ResponseMessage                  | fpml-msg-4-4.xsd                       |
| validationRuleId           | Reason                           | fpml-msg-4-4.xsd                       |
| valuation                  | AssertedPosition                 | fpml-reconciliation-4-4.xsd            |
| valuation                  | DeprecatedEquityLeg              | fpml-return-swaps-4-4.xsd              |
| valuation                  | DirectionalLegUnderlyerValuation | fpml-eq-shared-4-4.xsd                 |
| valuation                  | Position                         | fpml-valuation-4-4.xsd                 |
| valuation                  | PositionProposedMatch            | fpml-reconciliation-4-4.xsd            |
| valuation                  | Valuations                       | fpml-valuation-4-4.xsd                 |
| valuationDate              | BasicQuotation                   | fpml-asset-4-4.xsd                     |
| valuationDate              | CashSettlementTerms              | fpml-cd-4-4.xsd                        |
| valuationDate              | DerivedValuationScenario         | fpml-valuation-4-4.xsd                 |
| valuationDate              | DividendPeriodPayment            | fpml-dividend-swaps-4-4.xsd            |
| valuationDate              | EquityValuation                  | fpml-eq-shared-4-4.xsd                 |
| valuationDate              | MultiDimensionalPricingData      | fpml-mktenv-4-4.xsd                    |
| valuationDate              | PricingStructurePoint            | fpml-mktenv-4-4.xsd                    |
| valuationDate              | Quotation                        | fpml-valuation-4-4.xsd                 |
| valuationDate              | QuotationCharacteristics         | fpml-asset-4-4.xsd                     |
| valuationDate              | ValuationScenario                | fpml-riskdef-4-4.xsd                   |
| valuationDates             | EquityValuation                  | fpml-eq-shared-4-4.xsd                 |
| valuationDatesReference    | PaymentDates                     | fpml-ird-4-4.xsd                       |
| valuationMethod            | CashSettlementTerms              | fpml-cd-4-4.xsd                        |
| valuationPostponement      | FallbackReferencePrice           | fpml-ird-4-4.xsd                       |
| valuationPriceFinal        | DeprecatedEquityLegValuation     | fpml-return-swaps-4-4.xsd              |
| valuationPriceFinal        | ReturnLegValuation               | fpml-eq-shared-4-4.xsd                 |
| valuationPriceInterim      | DeprecatedEquityLegValuation     | fpml-return-swaps-4-4.xsd              |
| valuationPriceInterim      | ReturnLegValuation               | fpml-eq-shared-4-4.xsd                 |
| valuationProvider          | ReportingRoles                   | fpml-valuation-4-4.xsd                 |
| valuationReference         | Valuations                       | fpml-valuation-4-4.xsd                 |
| valuationRules             | ReturnLegValuationPrice          | fpml-eq-shared-4-4.xsd                 |
| valuationScenario          | ValuationSet                     | fpml-valuation-4-4.xsd                 |
| valuationScenarioReference | SensitivityDefinition            | fpml-riskdef-4-4.xsd                   |
| valuationScenarioReference | SensitivitySetDefinition         | fpml-riskdef-4-4.xsd                   |
| valuationScenarioReference | Valuation                        | fpml-riskdef-4-4.xsd                   |
| valuationScenarioReference | ValuationSet                     | fpml-valuation-4-4.xsd                 |
| valuationTime              | CashSettlementTerms              | fpml-cd-4-4.xsd                        |
| valuationTime              | EquityValuation                  | fpml-eq-shared-4-4.xsd                 |
| valuationTimeType          | EquityValuation                  | fpml-eq-shared-4-4.xsd                 |
| value                      | BasicQuotation                   | fpml-asset-4-4.xsd                     |
| value                      | PricingStructurePoint            | fpml-mktenv-4-4.xsd                    |
| value                      | Quotation                        | fpml-valuation-4-4.xsd                 |
| valueDate                  | FxAverageRateOption              | fpml-fx-4-4.xsd                        |
| valueDate                  | FxDigitalOption                  | fpml-fx-4-4.xsd                        |
| valueDate                  | FxLeg                            | fpml-fx-4-4.xsd                        |
| valueDate                  | FxOptionLeg                      | fpml-fx-4-4.xsd                        |
| variance                   | LegAmount                        | fpml-eq-shared-4-4.xsd                 |
| variance                   | VarianceAmount                   | fpml-variance-swaps-4-4.xsd            |
| varianceAmount             | DeprecatedVariance               | fpml-eq-shared-4-4.xsd                 |
| varianceAmount             | Variance                         | fpml-eq-shared-4-4.xsd                 |
| varianceCap                | DeprecatedVariance               | fpml-eq-shared-4-4.xsd                 |
| varianceCap                | Variance                         | fpml-eq-shared-4-4.xsd                 |
| varianceLeg                | VarianceSwap                     | fpml-variance-swaps-4-4.xsd            |
| varianceStrikePrice        | DeprecatedVariance               | fpml-eq-shared-4-4.xsd                 |
| varianceStrikePrice        | Variance                         | fpml-eq-shared-4-4.xsd                 |

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| varyingNotionalCurrency                    | FxLinkedNotionalSchedule  | fpml-ird-4-4.xsd            |
| varyingNotionalFixingDates                 | FxLinkedNotionalSchedule  | fpml-ird-4-4.xsd            |
| varyingNotionalInterimExchangePaymentDates | FxLinkedNotionalSchedule  | fpml-ird-4-4.xsd            |
| vegaNotionalAmount                         | DeprecatedVariance        | fpml-eq-shared-4-4.xsd      |
| vegaNotionalAmount                         | Variance                  | fpml-eq-shared-4-4.xsd      |
| version                                    | AssertedPosition          | fpml-reconciliation-4-4.xsd |
| version                                    | AssetPool                 | fpml-asset-4-4.xsd          |
| version                                    | Position                  | fpml-valuation-4-4.xsd      |
| version                                    | PositionProposedMatch     | fpml-reconciliation-4-4.xsd |
| version                                    | PositionReference         | fpml-reconciliation-4-4.xsd |
| version                                    | RequestedPositions        | fpml-reporting-4-4.xsd      |
| version                                    | UnprocessedPosition       | fpml-reconciliation-4-4.xsd |
| version                                    | VersionedContractId       | fpml-doc-4-4.xsd            |
| version                                    | VersionedTradeId          | fpml-doc-4-4.xsd            |
| versionedContractId                        | ContractIdentifier        | fpml-doc-4-4.xsd            |
| versionedTradeId                           | TradeIdentifier           | fpml-doc-4-4.xsd            |
| volatilityStrikePrice                      | DeprecatedVariance        | fpml-eq-shared-4-4.xsd      |
| volatilityStrikePrice                      | Variance                  | fpml-eq-shared-4-4.xsd      |
| WACCapInterestProvision                    | FloatingAmountProvisions  | fpml-cd-4-4.xsd             |
| weeklyRollConvention                       | ResetFrequency            | fpml-shared-4-4.xsd         |
| weekNumber                                 | AveragingSchedule         | fpml-option-shared-4-4.xsd  |
| weight                                     | CashflowObservation       | fpml-reconciliation-4-4.xsd |
| weight                                     | WeightedPartialDerivative | fpml-riskdef-4-4.xsd        |
| weightedPartial                            | DenominatorTerm           | fpml-riskdef-4-4.xsd        |
| writedown                                  | CreditEvents              | fpml-option-shared-4-4.xsd  |
| writedown                                  | FloatingAmountEvents      | fpml-cd-4-4.xsd             |
| writedownReimbursement                     | AdditionalFixedPayments   | fpml-cd-4-4.xsd             |
| zeroCouponYieldAdjustedMethod              | CashSettlement            | fpml-ird-4-4.xsd            |
| zeroCurve                                  | YieldCurveValuation       | fpml-mktnv-4-4.xsd          |

### 1.3 Index of All Components - Complex Types

| Component                                   | Contained In | File                                   |
|---|--------------|--|
| AcceptQuote                                 |              | fpml-pretrade-4-4.xsd                  |
| Account                                     |              | fpml-shared-4-4.xsd                    |
| AccountId                                   |              | fpml-shared-4-4.xsd                    |
| AccountReference                            |              | fpml-shared-4-4.xsd                    |
| ActualPrice                                 |              | fpml-asset-4-4.xsd                     |
| AdditionalData                              |              | fpml-msg-4-4.xsd                       |
| AdditionalDisruptionEvents                  |              | fpml-eq-shared-4-4.xsd                 |
| AdditionalFixedPayments                     |              | fpml-cd-4-4.xsd                        |
| AdditionalPaymentAmount                     |              | fpml-eq-shared-4-4.xsd                 |
| AdditionalTerm                              |              | fpml-cd-4-4.xsd                        |
| Address                                     |              | fpml-shared-4-4.xsd                    |
| AdjustableDate                              |              | fpml-shared-4-4.xsd                    |
| AdjustableDate2                             |              | fpml-shared-4-4.xsd                    |
| AdjustableDateOrRelativeDateSequence        |              | fpml-eq-shared-4-4.xsd                 |
| AdjustableDates                             |              | fpml-shared-4-4.xsd                    |
| AdjustableDatesOrRelativeDateOffset         |              | fpml-shared-4-4.xsd                    |
| AdjustableOrRelativeAndAdjustedDate         |              | fpml-shared-4-4.xsd                    |
| AdjustableOrRelativeDate                    |              | fpml-shared-4-4.xsd                    |
| AdjustableOrRelativeDates                   |              | fpml-shared-4-4.xsd                    |
| AdjustableRelativeOrPeriodicDates           |              | fpml-shared-4-4.xsd                    |
| AdjustableRelativeOrPeriodicDates2          |              | fpml-shared-4-4.xsd                    |
| AdjustedPaymentDates                        |              | fpml-cd-4-4.xsd                        |
| AdjustedRelativeDateOffset                  |              | fpml-shared-4-4.xsd                    |
| AffectedTransactions                        |              | fpml-posttrade-4-4.xsd                 |
| AllegedCashflow                             |              | fpml-reconciliation-4-4.xsd            |
| Allocation                                  |              | fpml-doc-4-4.xsd                       |
| AllocationAmended                           |              | fpml-allocation-4-4.xsd                |
| AllocationCancelled                         |              | fpml-allocation-4-4.xsd                |
| AllocationCreated                           |              | fpml-allocation-4-4.xsd                |
| Allocations                                 |              | fpml-doc-4-4.xsd                       |
| AllocationTradeIdentifier                   |              | fpml-doc-4-4.xsd                       |
| Amendment                                   |              | fpml-doc-4-4.xsd                       |
| AmendmentConfirmed                          |              | fpml-posttrade-confirmation-4-4.xsd    |
| AmericanExercise                            |              | fpml-shared-4-4.xsd                    |
| AmountReference                             |              | fpml-shared-4-4.xsd                    |
| AmountSchedule                              |              | fpml-shared-4-4.xsd                    |
| AnyAssetReference                           |              | fpml-asset-4-4.xsd                     |
| Approval                                    |              | fpml-doc-4-4.xsd                       |
| Approvals                                   |              | fpml-doc-4-4.xsd                       |
| Asian                                       |              | fpml-option-shared-4-4.xsd             |
| AssertedCashflow                            |              | fpml-reconciliation-4-4.xsd            |
| AssertedPosition                            |              | fpml-reconciliation-4-4.xsd            |
| Asset                                       |              | fpml-asset-4-4.xsd                     |
| AssetMeasureType                            |              | fpml-asset-4-4.xsd                     |
| AssetOrTermPointOrPricingStructureReference |              | fpml-riskdef-4-4.xsd                   |
| AssetPool                                   |              | fpml-asset-4-4.xsd                     |
| AssetReference                              |              | fpml-asset-4-4.xsd                     |
| AssetValuation                              |              | fpml-valuation-4-4.xsd                 |
| AutomaticExercise                           |              | fpml-shared-4-4.xsd                    |
| AveragingPeriod                             |              | fpml-option-shared-4-4.xsd             |
| AveragingSchedule                           |              | fpml-option-shared-4-4.xsd             |
| BankruptcyEvent                             |              | fpml-credit-event-notification-4-4.xsd |
| Barrier                                     |              | fpml-option-shared-4-4.xsd             |



|                                  |                             |
|----------------------------------|-----------------------------|
| BasicAssetValuation              | fpml-riskdef-4-4.xsd        |
| BasicQuotation                   | fpml-asset-4-4.xsd          |
| Basket                           | fpml-asset-4-4.xsd          |
| BasketConstituent                | fpml-asset-4-4.xsd          |
| BasketId                         | fpml-asset-4-4.xsd          |
| BasketName                       | fpml-asset-4-4.xsd          |
| BasketReferenceInformation       | fpml-cd-4-4.xsd             |
| Beneficiary                      | fpml-shared-4-4.xsd         |
| BermudaExercise                  | fpml-shared-4-4.xsd         |
| BestFitTrade                     | fpml-doc-4-4.xsd            |
| BlockTradeIdentifier             | fpml-doc-4-4.xsd            |
| Bond                             | fpml-asset-4-4.xsd          |
| BondOption                       | fpml-bond-option-4-4.xsd    |
| BondOptionStrike                 | fpml-bond-option-4-4.xsd    |
| BondReference                    | fpml-ird-4-4.xsd            |
| BoundedCorrelation               | fpml-eq-shared-4-4.xsd      |
| BoundedVariance                  | fpml-eq-shared-4-4.xsd      |
| BrokerConfirmation               | fpml-shared-4-4.xsd         |
| BrokerConfirmationType           | fpml-shared-4-4.xsd         |
| BrokerEquityOption               | fpml-eqd-4-4.xsd            |
| BulletPayment                    | fpml-ird-4-4.xsd            |
| BusinessCenter                   | fpml-shared-4-4.xsd         |
| BusinessCenters                  | fpml-shared-4-4.xsd         |
| BusinessCentersReference         | fpml-shared-4-4.xsd         |
| BusinessCenterTime               | fpml-shared-4-4.xsd         |
| BusinessDateRange                | fpml-shared-4-4.xsd         |
| BusinessDayAdjustments           | fpml-shared-4-4.xsd         |
| BusinessDayAdjustmentsReference  | fpml-shared-4-4.xsd         |
| CalculatedAmount                 | fpml-eq-shared-4-4.xsd      |
| Calculation                      | fpml-ird-4-4.xsd            |
| CalculationAgent                 | fpml-shared-4-4.xsd         |
| CalculationAmount                | fpml-cd-4-4.xsd             |
| CalculationDetails               | fpml-reconciliation-4-4.xsd |
| CalculationFromObservation       | fpml-eq-shared-4-4.xsd      |
| CalculationPeriod                | fpml-ird-4-4.xsd            |
| CalculationPeriodAmount          | fpml-ird-4-4.xsd            |
| CalculationPeriodDates           | fpml-ird-4-4.xsd            |
| CalculationPeriodDatesReference  | fpml-ird-4-4.xsd            |
| CalculationPeriodFrequency       | fpml-shared-4-4.xsd         |
| CalendarSpread                   | fpml-option-shared-4-4.xsd  |
| CancelableProvision              | fpml-ird-4-4.xsd            |
| CancelableProvisionAdjustedDates | fpml-ird-4-4.xsd            |
| CancellationEvent                | fpml-ird-4-4.xsd            |
| CancelTradeCashflows             | fpml-reconciliation-4-4.xsd |
| CancelTradeConfirmation          | fpml-confirmation-4-4.xsd   |
| CancelTradeMatch                 | fpml-tradeexec-4-4.xsd      |
| CapFloor                         | fpml-ird-4-4.xsd            |
| Cash                             | fpml-asset-4-4.xsd          |
| CashflowCalculationElements      | fpml-reconciliation-4-4.xsd |
| CashflowCalculationPeriod        | fpml-reconciliation-4-4.xsd |
| CashflowFixing                   | fpml-reconciliation-4-4.xsd |
| CashflowFixingReference          | fpml-reconciliation-4-4.xsd |
| CashflowId                       | fpml-reconciliation-4-4.xsd |
| CashflowNotional                 | fpml-reconciliation-4-4.xsd |
| CashflowObservation              | fpml-reconciliation-4-4.xsd |
| CashflowObservationReference     | fpml-reconciliation-4-4.xsd |
| Cashflows                        | fpml-ird-4-4.xsd            |

|                                     |  |
|-------------------------------------|--|
| CashflowType                        | fpml-shared-4-4.xsd                    |
| CashPriceMethod                     | fpml-ird-4-4.xsd                       |
| CashSettlement                      | fpml-ird-4-4.xsd                       |
| CashSettlementPaymentDate           | fpml-ird-4-4.xsd                       |
| CashSettlementReferenceBanks        | fpml-shared-4-4.xsd                    |
| CashSettlementTerms                 | fpml-cd-4-4.xsd                        |
| ChangeContract                      | fpml-doc-4-4.xsd                       |
| ChangeContractSize                  | fpml-doc-4-4.xsd                       |
| ClassifiedPayment                   | fpml-option-shared-4-4.xsd             |
| ClearanceSystem                     | fpml-shared-4-4.xsd                    |
| Collateral                          | fpml-doc-4-4.xsd                       |
| Commission                          | fpml-asset-4-4.xsd                     |
| Composite                           | fpml-option-shared-4-4.xsd             |
| Compounding                         | fpml-eq-shared-4-4.xsd                 |
| CompoundingFrequency                | fpml-mktenv-4-4.xsd                    |
| CompoundingRate                     | fpml-eq-shared-4-4.xsd                 |
| ConfirmationCancelled               | fpml-confirmation-4-4.xsd              |
| ConfirmTrade                        | fpml-confirmation-4-4.xsd              |
| ConstituentWeight                   | fpml-asset-4-4.xsd                     |
| Contract                            | fpml-doc-4-4.xsd                       |
| ContractCancelled                   | fpml-contract-notification-4-4.xsd     |
| ContractCreated                     | fpml-contract-notification-4-4.xsd     |
| ContractFullTermination             | fpml-contract-notification-4-4.xsd     |
| ContractFullTerminationCancelled    | fpml-contract-notification-4-4.xsd     |
| ContractHeader                      | fpml-doc-4-4.xsd                       |
| ContractId                          | fpml-doc-4-4.xsd                       |
| ContractIdentifier                  | fpml-doc-4-4.xsd                       |
| ContractIncreased                   | fpml-contract-notification-4-4.xsd     |
| ContractIncreasedCancelled          | fpml-contract-notification-4-4.xsd     |
| ContractInformation                 | fpml-doc-4-4.xsd                       |
| ContractNovated                     | fpml-contract-notification-4-4.xsd     |
| ContractNovatedCancelled            | fpml-contract-notification-4-4.xsd     |
| ContractNovation                    | fpml-doc-4-4.xsd                       |
| ContractPartialTermination          | fpml-contract-notification-4-4.xsd     |
| ContractPartialTerminationCancelled | fpml-contract-notification-4-4.xsd     |
| ContractReference                   | fpml-doc-4-4.xsd                       |
| ContractReferenceMessage            | fpml-contract-notification-4-4.xsd     |
| ContractTermination                 | fpml-doc-4-4.xsd                       |
| ContractualDefinitions              | fpml-shared-4-4.xsd                    |
| ContractualMatrix                   | fpml-shared-4-4.xsd                    |
| ContractualSupplement               | fpml-shared-4-4.xsd                    |
| ContractualTermsSupplement          | fpml-shared-4-4.xsd                    |
| ConversationId                      | fpml-msg-4-4.xsd                       |
| ConvertibleBond                     | fpml-asset-4-4.xsd                     |
| Correlation                         | fpml-eq-shared-4-4.xsd                 |
| CorrelationAmount                   | fpml-correlation-swaps-4-4.xsd         |
| CorrelationLeg                      | fpml-correlation-swaps-4-4.xsd         |
| CorrelationSwap                     | fpml-correlation-swaps-4-4.xsd         |
| CorrespondentInformation            | fpml-shared-4-4.xsd                    |
| Country                             | fpml-shared-4-4.xsd                    |
| CouponType                          | fpml-asset-4-4.xsd                     |
| CreditCurve                         | fpml-mktenv-4-4.xsd                    |
| CreditCurveValuation                | fpml-mktenv-4-4.xsd                    |
| CreditDefaultSwap                   | fpml-cd-4-4.xsd                        |
| CreditDefaultSwapOption             | fpml-cd-4-4.xsd                        |
| CreditDerivativesNotices            | fpml-doc-4-4.xsd                       |
| CreditEvent                         | fpml-credit-event-notification-4-4.xsd |

|                                      |  |
|--------------------------------------|--|
| CreditEventNotice                    | fpml-option-shared-4-4.xsd             |
| CreditEventNoticeDocument            | fpml-credit-event-notification-4-4.xsd |
| CreditEventNotification              | fpml-credit-event-notification-4-4.xsd |
| CreditEvents                         | fpml-option-shared-4-4.xsd             |
| CreditEventsReference                | fpml-option-shared-4-4.xsd             |
| CreditOptionStrike                   | fpml-cd-4-4.xsd                        |
| CreditSeniority                      | fpml-shared-4-4.xsd                    |
| CreditSupportAgreement               | fpml-shared-4-4.xsd                    |
| CreditSupportAgreementType           | fpml-shared-4-4.xsd                    |
| Currency                             | fpml-shared-4-4.xsd                    |
| CutName                              | fpml-fx-4-4.xsd                        |
| DataDocument                         | fpml-doc-4-4.xsd                       |
| DateList                             | fpml-shared-4-4.xsd                    |
| DateOffset                           | fpml-shared-4-4.xsd                    |
| DateRange                            | fpml-shared-4-4.xsd                    |
| DateReference                        | fpml-shared-4-4.xsd                    |
| DateRelativeToCalculationPeriodDates | fpml-ird-4-4.xsd                       |
| DateRelativeToPaymentDates           | fpml-ird-4-4.xsd                       |
| DateTimeList                         | fpml-shared-4-4.xsd                    |
| DayCountFraction                     | fpml-shared-4-4.xsd                    |
| DealIdentifier                       | fpml-loan-4-4.xsd                      |
| DefaultProbabilityCurve              | fpml-mktenv-4-4.xsd                    |
| DefinePosition                       | fpml-reconciliation-4-4.xsd            |
| DeliverableObligations               | fpml-cd-4-4.xsd                        |
| DenominatorTerm                      | fpml-riskdef-4-4.xsd                   |
| Deposit                              | fpml-asset-4-4.xsd                     |
| DeprecatedEquityLeg                  | fpml-return-swaps-4-4.xsd              |
| DeprecatedEquityLegValuation         | fpml-return-swaps-4-4.xsd              |
| DeprecatedEquityLegValuationPrice    | fpml-return-swaps-4-4.xsd              |
| DeprecatedEquityPaymentDates         | fpml-return-swaps-4-4.xsd              |
| DeprecatedScheduledTerminationDate   | fpml-cd-4-4.xsd                        |
| DeprecatedVariance                   | fpml-eq-shared-4-4.xsd                 |
| DeprecatedVarianceAmount             | fpml-eq-shared-4-4.xsd                 |
| DeprecatedVarianceLeg                | fpml-eq-shared-4-4.xsd                 |
| DerivativeCalculationMethod          | fpml-riskdef-4-4.xsd                   |
| DerivativeCalculationProcedure       | fpml-riskdef-4-4.xsd                   |
| DerivativeFormula                    | fpml-riskdef-4-4.xsd                   |
| DerivedValuationScenario             | fpml-valuation-4-4.xsd                 |
| DeterminationMethod                  | fpml-shared-4-4.xsd                    |
| DirectionalLeg                       | fpml-eq-shared-4-4.xsd                 |
| DirectionalLegUnderlyer              | fpml-eq-shared-4-4.xsd                 |
| DirectionalLegUnderlyerValuation     | fpml-eq-shared-4-4.xsd                 |
| Discounting                          | fpml-ird-4-4.xsd                       |
| DividendAdjustment                   | fpml-eq-shared-4-4.xsd                 |
| DividendConditions                   | fpml-shared-4-4.xsd                    |
| DividendLeg                          | fpml-dividend-swaps-4-4.xsd            |
| DividendPaymentDate                  | fpml-shared-4-4.xsd                    |
| DividendPayout                       | fpml-asset-4-4.xsd                     |
| DividendPeriod                       | fpml-eq-shared-4-4.xsd                 |
| DividendPeriodDividend               | fpml-eq-shared-4-4.xsd                 |
| DividendPeriodPayment                | fpml-dividend-swaps-4-4.xsd            |
| DividendSwapTransactionSupplement    | fpml-dividend-swaps-4-4.xsd            |
| Document                             | fpml-doc-4-4.xsd                       |
| Documentation                        | fpml-shared-4-4.xsd                    |
| DrawdownNotice                       | fpml-loan-4-4.xsd                      |
| DrawdownPayment                      | fpml-loan-4-4.xsd                      |
| EarlyTerminationEvent                | fpml-ird-4-4.xsd                       |

|                                   |  |
|-----------------------------------|--|
| EarlyTerminationProvision         | fpml-ird-4-4.xsd                       |
| Empty                             | fpml-shared-4-4.xsd                    |
| EntityId                          | fpml-shared-4-4.xsd                    |
| EntityName                        | fpml-shared-4-4.xsd                    |
| EntityType                        | fpml-cd-4-4.xsd                        |
| EquityAmericanExercise            | fpml-eqd-4-4.xsd                       |
| EquityAsset                       | fpml-asset-4-4.xsd                     |
| EquityBermudaExercise             | fpml-eqd-4-4.xsd                       |
| EquityCorporateEvents             | fpml-eq-shared-4-4.xsd                 |
| EquityDerivativeBase              | fpml-eqd-4-4.xsd                       |
| EquityDerivativeLongFormBase      | fpml-eqd-4-4.xsd                       |
| EquityDerivativeShortFormBase     | fpml-eqd-4-4.xsd                       |
| EquityEuropeanExercise            | fpml-eqd-4-4.xsd                       |
| EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd                       |
| EquityForward                     | fpml-eqd-4-4.xsd                       |
| EquityMultipleExercise            | fpml-eqd-4-4.xsd                       |
| EquityOption                      | fpml-eqd-4-4.xsd                       |
| EquityOptionTermination           | fpml-eqd-4-4.xsd                       |
| EquityOptionTransactionSupplement | fpml-eqd-4-4.xsd                       |
| EquityPremium                     | fpml-eq-shared-4-4.xsd                 |
| EquityStrike                      | fpml-eq-shared-4-4.xsd                 |
| EquitySwapTransactionSupplement   | fpml-return-swaps-4-4.xsd              |
| EquityValuation                   | fpml-eq-shared-4-4.xsd                 |
| EuropeanExercise                  | fpml-shared-4-4.xsd                    |
| Event                             | fpml-doc-4-4.xsd                       |
| EventId                           | fpml-doc-4-4.xsd                       |
| ExchangeId                        | fpml-shared-4-4.xsd                    |
| ExchangeRate                      | fpml-fx-4-4.xsd                        |
| ExchangeTraded                    | fpml-asset-4-4.xsd                     |
| ExchangeTradedCalculatedPrice     | fpml-asset-4-4.xsd                     |
| ExchangeTradedContract            | fpml-asset-4-4.xsd                     |
| ExchangeTradedFund                | fpml-asset-4-4.xsd                     |
| ExecutionDateTime                 | fpml-doc-4-4.xsd                       |
| Exercise                          | fpml-shared-4-4.xsd                    |
| ExerciseEvent                     | fpml-ird-4-4.xsd                       |
| ExerciseFee                       | fpml-shared-4-4.xsd                    |
| ExerciseFeeSchedule               | fpml-shared-4-4.xsd                    |
| ExerciseNotice                    | fpml-shared-4-4.xsd                    |
| ExercisePeriod                    | fpml-ird-4-4.xsd                       |
| ExerciseProcedure                 | fpml-shared-4-4.xsd                    |
| ExpiryDateTime                    | fpml-fx-4-4.xsd                        |
| ExtendibleProvision               | fpml-ird-4-4.xsd                       |
| ExtendibleProvisionAdjustedDates  | fpml-ird-4-4.xsd                       |
| ExtensionEvent                    | fpml-ird-4-4.xsd                       |
| ExtraordinaryEvents               | fpml-eq-shared-4-4.xsd                 |
| FacilityCommitmentPosition        | fpml-loan-4-4.xsd                      |
| FacilityIdentifier                | fpml-loan-4-4.xsd                      |
| FacilityNotice                    | fpml-loan-4-4.xsd                      |
| FacilityRepayment                 | fpml-loan-4-4.xsd                      |
| FacilityType                      | fpml-asset-4-4.xsd                     |
| FailureToPay                      | fpml-option-shared-4-4.xsd             |
| FailureToPayEvent                 | fpml-credit-event-notification-4-4.xsd |
| FallbackReferencePrice            | fpml-ird-4-4.xsd                       |
| FeaturePayment                    | fpml-option-shared-4-4.xsd             |
| FeeAccrualPeriod                  | fpml-loan-4-4.xsd                      |
| FeeAccrualSchedule                | fpml-loan-4-4.xsd                      |
| FeeLeg                            | fpml-cd-4-4.xsd                        |

|                                      |                             |
|--------------------------------------|-----------------------------|
| FinalCalculationPeriodDateAdjustment | fpml-ird-4-4.xsd            |
| FirstPeriodStartDate                 | fpml-doc-4-4.xsd            |
| FixedAmountCalculation               | fpml-cd-4-4.xsd             |
| FixedPaymentAmount                   | fpml-dividend-swaps-4-4.xsd |
| FixedPaymentLeg                      | fpml-dividend-swaps-4-4.xsd |
| FixedRate                            | fpml-cd-4-4.xsd             |
| FixedRateReference                   | fpml-cd-4-4.xsd             |
| FloatingAmountEvents                 | fpml-cd-4-4.xsd             |
| FloatingAmountProvisions             | fpml-cd-4-4.xsd             |
| FloatingRate                         | fpml-shared-4-4.xsd         |
| FloatingRateCalculation              | fpml-shared-4-4.xsd         |
| FloatingRateDefinition               | fpml-ird-4-4.xsd            |
| FloatingRateIndex                    | fpml-shared-4-4.xsd         |
| ForecastRateIndex                    | fpml-shared-4-4.xsd         |
| Formula                              | fpml-shared-4-4.xsd         |
| FormulaComponent                     | fpml-shared-4-4.xsd         |
| FormulaTerm                          | fpml-riskdef-4-4.xsd        |
| ForwardRateCurve                     | fpml-mktnv-4-4.xsd          |
| Fra                                  | fpml-ird-4-4.xsd            |
| FrequencyType                        | fpml-option-shared-4-4.xsd  |
| Future                               | fpml-asset-4-4.xsd          |
| FutureId                             | fpml-asset-4-4.xsd          |
| FxAmericanTrigger                    | fpml-fx-4-4.xsd             |
| FxAverageRateObservationDate         | fpml-fx-4-4.xsd             |
| FxAverageRateObservationSchedule     | fpml-fx-4-4.xsd             |
| FxAverageRateOption                  | fpml-fx-4-4.xsd             |
| FxBarrier                            | fpml-fx-4-4.xsd             |
| FxBarrierOption                      | fpml-fx-4-4.xsd             |
| FxCashSettlement                     | fpml-shared-4-4.xsd         |
| FxConversion                         | fpml-asset-4-4.xsd          |
| FxCurve                              | fpml-mktnv-4-4.xsd          |
| FxCurveValuation                     | fpml-mktnv-4-4.xsd          |
| FxDigitalOption                      | fpml-fx-4-4.xsd             |
| FxEuropeanTrigger                    | fpml-fx-4-4.xsd             |
| FxFeature                            | fpml-option-shared-4-4.xsd  |
| FxFixing                             | fpml-shared-4-4.xsd         |
| FxFixingDate                         | fpml-ird-4-4.xsd            |
| FxLeg                                | fpml-fx-4-4.xsd             |
| FxLinkedNotionalAmount               | fpml-ird-4-4.xsd            |
| FxLinkedNotionalSchedule             | fpml-ird-4-4.xsd            |
| FxOptionLeg                          | fpml-fx-4-4.xsd             |
| FxOptionPayout                       | fpml-fx-4-4.xsd             |
| FxOptionPremium                      | fpml-fx-4-4.xsd             |
| FxRate                               | fpml-shared-4-4.xsd         |
| FxRateAsset                          | fpml-asset-4-4.xsd          |
| FxRateSet                            | fpml-mktnv-4-4.xsd          |
| FxSpotRateSource                     | fpml-shared-4-4.xsd         |
| FxStrikePrice                        | fpml-fx-4-4.xsd             |
| FxSwap                               | fpml-fx-4-4.xsd             |
| FxTerms                              | fpml-loan-4-4.xsd           |
| FxTermsSchedule                      | fpml-loan-4-4.xsd           |
| GeneralTerms                         | fpml-cd-4-4.xsd             |
| GenericDimension                     | fpml-riskdef-4-4.xsd        |
| GoverningLaw                         | fpml-shared-4-4.xsd         |
| GracePeriodExtension                 | fpml-option-shared-4-4.xsd  |
| GrossCashflow                        | fpml-reconciliation-4-4.xsd |
| IdentifiedAsset                      | fpml-asset-4-4.xsd          |

|  |  |
|--|--|
| IdentifiedCurrency                         | fpml-shared-4-4.xsd                    |
| IdentifiedCurrencyReference                | fpml-shared-4-4.xsd                    |
| IdentifiedDate                             | fpml-shared-4-4.xsd                    |
| IdentifiedPayerReceiver                    | fpml-shared-4-4.xsd                    |
| Increase                                   | fpml-doc-4-4.xsd                       |
| IncreaseConfirmed                          | fpml-posttrade-confirmation-4-4.xsd    |
| IndependentAmount                          | fpml-doc-4-4.xsd                       |
| Index                                      | fpml-asset-4-4.xsd                     |
| IndexAdjustmentEvents                      | fpml-eq-shared-4-4.xsd                 |
| IndexAnnexSource                           | fpml-cd-4-4.xsd                        |
| IndexId                                    | fpml-cd-4-4.xsd                        |
| IndexName                                  | fpml-cd-4-4.xsd                        |
| IndexReferenceInformation                  | fpml-cd-4-4.xsd                        |
| InflationRateCalculation                   | fpml-ird-4-4.xsd                       |
| InformationProvider                        | fpml-shared-4-4.xsd                    |
| InformationSource                          | fpml-shared-4-4.xsd                    |
| InitialPayment                             | fpml-cd-4-4.xsd                        |
| InitialPortfolioDefinition                 | fpml-reconciliation-4-4.xsd            |
| InstrumentId                               | fpml-shared-4-4.xsd                    |
| InstrumentSet                              | fpml-riskdef-4-4.xsd                   |
| InterestAccrualPeriod                      | fpml-loan-4-4.xsd                      |
| InterestAccrualSchedule                    | fpml-loan-4-4.xsd                      |
| InterestAccrualsCompoundingMethod          | fpml-shared-4-4.xsd                    |
| InterestAccrualsMethod                     | fpml-shared-4-4.xsd                    |
| InterestCalculation                        | fpml-eq-shared-4-4.xsd                 |
| InterestCalculationReference               | fpml-eq-shared-4-4.xsd                 |
| InterestLeg                                | fpml-eq-shared-4-4.xsd                 |
| InterestLegCalculationPeriodDates          | fpml-eq-shared-4-4.xsd                 |
| InterestLegCalculationPeriodDatesReference | fpml-eq-shared-4-4.xsd                 |
| InterestLegResetDates                      | fpml-eq-shared-4-4.xsd                 |
| InterestPayment                            | fpml-loan-4-4.xsd                      |
| InterestPaymentNotice                      | fpml-loan-4-4.xsd                      |
| InterestRatePeriod                         | fpml-loan-4-4.xsd                      |
| InterestRateStream                         | fpml-ird-4-4.xsd                       |
| InterestRateStreamReference                | fpml-ird-4-4.xsd                       |
| InterestShortFall                          | fpml-cd-4-4.xsd                        |
| IntermediaryInformation                    | fpml-shared-4-4.xsd                    |
| InterpolationMethod                        | fpml-shared-4-4.xsd                    |
| Interval                                   | fpml-shared-4-4.xsd                    |
| Knock                                      | fpml-option-shared-4-4.xsd             |
| Language                                   | fpml-credit-event-notification-4-4.xsd |
| Leg  | fpml-shared-4-4.xsd                    |
| LegalEntity                                | fpml-shared-4-4.xsd                    |
| LegalEntityReference                       | fpml-shared-4-4.xsd                    |
| LegAmount                                  | fpml-eq-shared-4-4.xsd                 |
| LenderLoanContractPeriod                   | fpml-loan-4-4.xsd                      |
| LenderPositionPeriod                       | fpml-loan-4-4.xsd                      |
| Lien                                       | fpml-asset-4-4.xsd                     |
| LinkId                                     | fpml-doc-4-4.xsd                       |
| Loan                                       | fpml-asset-4-4.xsd                     |
| LoanContract                               | fpml-loan-4-4.xsd                      |
| LoanContractIdentifier                     | fpml-loan-4-4.xsd                      |
| LoanContractNotice                         | fpml-loan-4-4.xsd                      |
| LoanContractPosition                       | fpml-loan-4-4.xsd                      |
| LoanContractRepayment                      | fpml-loan-4-4.xsd                      |
| LoanParticipation                          | fpml-cd-4-4.xsd                        |
| MainPublication                            | fpml-shared-4-4.xsd                    |

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| MakeWholeAmount                        | fpml-bond-option-4-4.xsd               |
| MakeWholeProvisions                    | fpml-eq-shared-4-4.xsd                 |
| MandatoryEarlyTermination              | fpml-ird-4-4.xsd                       |
| MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd                       |
| ManualExercise                         | fpml-shared-4-4.xsd                    |
| Market                                 | fpml-riskdef-4-4.xsd                   |
| MarketDisruption                       | fpml-option-shared-4-4.xsd             |
| MarketReference                        | fpml-riskdef-4-4.xsd                   |
| MasterAgreement                        | fpml-shared-4-4.xsd                    |
| MasterAgreementType                    | fpml-shared-4-4.xsd                    |
| MasterConfirmation                     | fpml-shared-4-4.xsd                    |
| MasterConfirmationType                 | fpml-shared-4-4.xsd                    |
| MatchId                                | fpml-reconciliation-4-4.xsd            |
| Math                                   | fpml-shared-4-4.xsd                    |
| MatrixSource                           | fpml-cd-4-4.xsd                        |
| MatrixTerm                             | fpml-shared-4-4.xsd                    |
| MatrixType                             | fpml-shared-4-4.xsd                    |
| Message                                | fpml-msg-4-4.xsd                       |
| MessageAddress                         | fpml-msg-4-4.xsd                       |
| MessageHeader                          | fpml-msg-4-4.xsd                       |
| MessageId                              | fpml-msg-4-4.xsd                       |
| MessageRejected                        | fpml-msg-4-4.xsd                       |
| MimeType                               | fpml-shared-4-4.xsd                    |
| ModifyTradeConfirmation                | fpml-confirmation-4-4.xsd              |
| ModifyTradeMatch                       | fpml-tradeexec-4-4.xsd                 |
| Money                                  | fpml-shared-4-4.xsd                    |
| MoneyBase                              | fpml-shared-4-4.xsd                    |
| Mortgage                               | fpml-asset-4-4.xsd                     |
| MortgageSector                         | fpml-asset-4-4.xsd                     |
| MultiDimensionalPricingData            | fpml-mktenv-4-4.xsd                    |
| MultipleExercise                       | fpml-shared-4-4.xsd                    |
| MultipleValuationDates                 | fpml-cd-4-4.xsd                        |
| MutualFund                             | fpml-asset-4-4.xsd                     |
| NettedSwapBase                         | fpml-eq-shared-4-4.xsd                 |
| NonDeliverableSettlement               | fpml-ird-4-4.xsd                       |
| NonNegativeMoney                       | fpml-shared-4-4.xsd                    |
| NonNegativePayment                     | fpml-shared-4-4.xsd                    |
| NotDomesticCurrency                    | fpml-cd-4-4.xsd                        |
| NotificationMessage                    | fpml-msg-4-4.xsd                       |
| NotificationMessageHeader              | fpml-msg-4-4.xsd                       |
| NotifyingParty                         | fpml-option-shared-4-4.xsd             |
| Notional                               | fpml-ird-4-4.xsd                       |
| NotionalAmountReference                | fpml-shared-4-4.xsd                    |
| NotionalStepRule                       | fpml-ird-4-4.xsd                       |
| NovateTrade                            | fpml-posttrade-execution-4-4.xsd       |
| Novation                               | fpml-posttrade-4-4.xsd                 |
| NovationAlleged                        | fpml-posttrade-confirmation-4-4.xsd    |
| NovationConfirmed                      | fpml-posttrade-confirmation-4-4.xsd    |
| NovationConsentGranted                 | fpml-posttrade-negotiation-4-4.xsd     |
| NovationConsentRefused                 | fpml-posttrade-negotiation-4-4.xsd     |
| NovationConsentRequest                 | fpml-posttrade-negotiation-4-4.xsd     |
| NovationMatched                        | fpml-matching-status-4-4.xsd           |
| NovationNotificationMessage            | fpml-posttrade-4-4.xsd                 |
| NovationRequestMessage                 | fpml-posttrade-4-4.xsd                 |
| NovationResponseMessage                | fpml-posttrade-4-4.xsd                 |
| ObligationAccelerationEvent            | fpml-credit-event-notification-4-4.xsd |
| ObligationDefaultEvent                 | fpml-credit-event-notification-4-4.xsd |

|                                       |                             |
|---------------------------------------|-----------------------------|
| Obligations                           | fpml-cd-4-4.xsd             |
| ObservedRates                         | fpml-fx-4-4.xsd             |
| Offset                                | fpml-shared-4-4.xsd         |
| OneOffFeeNotice                       | fpml-loan-4-4.xsd           |
| OneOffFeePayment                      | fpml-loan-4-4.xsd           |
| OnGoingFeeNotice                      | fpml-loan-4-4.xsd           |
| OnGoingFeePayment                     | fpml-loan-4-4.xsd           |
| OptionalEarlyTermination              | fpml-ird-4-4.xsd            |
| OptionalEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| OptionBase                            | fpml-option-shared-4-4.xsd  |
| OptionBaseExtended                    | fpml-option-shared-4-4.xsd  |
| OptionFeature                         | fpml-option-shared-4-4.xsd  |
| OptionFeatures                        | fpml-eq-shared-4-4.xsd      |
| OptionNumericStrike                   | fpml-option-shared-4-4.xsd  |
| OptionStrike                          | fpml-option-shared-4-4.xsd  |
| ParametricAdjustment                  | fpml-mktenv-4-4.xsd         |
| ParametricAdjustmentPoint             | fpml-mktenv-4-4.xsd         |
| PartialExercise                       | fpml-shared-4-4.xsd         |
| PartialTerminationAmount              | fpml-posttrade-4-4.xsd      |
| ParticipationAmount                   | fpml-loan-4-4.xsd           |
| Party                                 | fpml-shared-4-4.xsd         |
| PartyId                               | fpml-shared-4-4.xsd         |
| PartyMessageInformation               | fpml-msg-4-4.xsd            |
| PartyOrAccountReference               | fpml-shared-4-4.xsd         |
| PartyOrTradeSideReference             | fpml-shared-4-4.xsd         |
| PartyPortfolioName                    | fpml-doc-4-4.xsd            |
| PartyReference                        | fpml-shared-4-4.xsd         |
| PartyRole                             | fpml-doc-4-4.xsd            |
| PartyTradeIdentifier                  | fpml-doc-4-4.xsd            |
| PartyTradeIdentifiers                 | fpml-doc-4-4.xsd            |
| PartyTradeInformation                 | fpml-doc-4-4.xsd            |
| PassThrough                           | fpml-option-shared-4-4.xsd  |
| PassThroughItem                       | fpml-option-shared-4-4.xsd  |
| Payment                               | fpml-shared-4-4.xsd         |
| PaymentBase                           | fpml-shared-4-4.xsd         |
| PaymentCalculationPeriod              | fpml-ird-4-4.xsd            |
| PaymentCurrency                       | fpml-shared-4-4.xsd         |
| PaymentDates                          | fpml-ird-4-4.xsd            |
| PaymentDatesReference                 | fpml-ird-4-4.xsd            |
| PaymentDetail                         | fpml-doc-4-4.xsd            |
| PaymentId                             | fpml-reconciliation-4-4.xsd |
| PaymentMatching                       | fpml-reconciliation-4-4.xsd |
| PaymentRule                           | fpml-doc-4-4.xsd            |
| PaymentType                           | fpml-shared-4-4.xsd         |
| PCDeliverableObligationCharac         | fpml-cd-4-4.xsd             |
| PendingPayment                        | fpml-asset-4-4.xsd          |
| PercentageRule                        | fpml-doc-4-4.xsd            |
| PeriodicDates                         | fpml-shared-4-4.xsd         |
| PeriodicPayment                       | fpml-cd-4-4.xsd             |
| PerturbationType                      | fpml-riskdef-4-4.xsd        |
| PhysicalSettlementPeriod              | fpml-cd-4-4.xsd             |
| PhysicalSettlementTerms               | fpml-cd-4-4.xsd             |
| PikPeriod                             | fpml-loan-4-4.xsd           |
| Portfolio                             | fpml-doc-4-4.xsd            |
| PortfolioDefinition                   | fpml-reconciliation-4-4.xsd |
| PortfolioName                         | fpml-doc-4-4.xsd            |
| PortfolioValuationItem                | fpml-reporting-4-4.xsd      |



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|-------------------------------------|-----------------------------|
| Position                            | fpml-valuation-4-4.xsd      |
| PositionConstituent                 | fpml-valuation-4-4.xsd      |
| PositionId                          | fpml-riskdef-4-4.xsd        |
| PositionMatchResult                 | fpml-reconciliation-4-4.xsd |
| PositionMatchStatus                 | fpml-reconciliation-4-4.xsd |
| PositionProposedMatch               | fpml-reconciliation-4-4.xsd |
| PositionReference                   | fpml-reconciliation-4-4.xsd |
| PositionReport                      | fpml-reporting-4-4.xsd      |
| PositionsAcknowledged               | fpml-reconciliation-4-4.xsd |
| PositionsAsserted                   | fpml-reconciliation-4-4.xsd |
| PositionsMatchResults               | fpml-reconciliation-4-4.xsd |
| PositiveMoney                       | fpml-shared-4-4.xsd         |
| PositivePayment                     | fpml-shared-4-4.xsd         |
| Premium                             | fpml-option-shared-4-4.xsd  |
| PremiumQuote                        | fpml-fx-4-4.xsd             |
| PrePayment                          | fpml-eqd-4-4.xsd            |
| Price                               | fpml-asset-4-4.xsd          |
| PriceQuoteUnits                     | fpml-asset-4-4.xsd          |
| PriceSourceDisruption               | fpml-ird-4-4.xsd            |
| PricingDataPointCoordinate          | fpml-riskdef-4-4.xsd        |
| PricingDataPointCoordinateReference | fpml-riskdef-4-4.xsd        |
| PricingInputReplacement             | fpml-riskdef-4-4.xsd        |
| PricingInputType                    | fpml-riskdef-4-4.xsd        |
| PricingMethod                       | fpml-riskdef-4-4.xsd        |
| PricingParameterDerivative          | fpml-riskdef-4-4.xsd        |
| PricingParameterDerivativeReference | fpml-riskdef-4-4.xsd        |
| PricingParameterShift               | fpml-riskdef-4-4.xsd        |
| PricingStructure                    | fpml-shared-4-4.xsd         |
| PricingStructurePoint               | fpml-mktenv-4-4.xsd         |
| PricingStructureReference           | fpml-shared-4-4.xsd         |
| PricingStructureValuation           | fpml-riskdef-4-4.xsd        |
| PrincipalExchange                   | fpml-ird-4-4.xsd            |
| PrincipalExchangeAmount             | fpml-eq-shared-4-4.xsd      |
| PrincipalExchangeDescriptions       | fpml-eq-shared-4-4.xsd      |
| PrincipalExchangeFeatures           | fpml-eq-shared-4-4.xsd      |
| PrincipalExchanges                  | fpml-shared-4-4.xsd         |
| ProblemLocation                     | fpml-msg-4-4.xsd            |
| Product                             | fpml-shared-4-4.xsd         |
| ProductId                           | fpml-shared-4-4.xsd         |
| ProductReference                    | fpml-shared-4-4.xsd         |
| ProductType                         | fpml-shared-4-4.xsd         |
| ProtectionTerms                     | fpml-cd-4-4.xsd             |
| ProtectionTermsReference            | fpml-cd-4-4.xsd             |
| PubliclyAvailableInformation        | fpml-option-shared-4-4.xsd  |
| Quanto                              | fpml-option-shared-4-4.xsd  |
| QueryParameter                      | fpml-doc-4-4.xsd            |
| QueryParameterId                    | fpml-doc-4-4.xsd            |
| QueryParameterOperator              | fpml-doc-4-4.xsd            |
| QueryPortfolio                      | fpml-doc-4-4.xsd            |
| QuotableFxLeg                       | fpml-pretrade-4-4.xsd       |
| QuotableFxRate                      | fpml-pretrade-4-4.xsd       |
| QuotablePayment                     | fpml-pretrade-4-4.xsd       |
| QuotableProduct                     | fpml-pretrade-4-4.xsd       |
| Quotation                           | fpml-valuation-4-4.xsd      |
| QuotationCharacteristics            | fpml-asset-4-4.xsd          |
| Quote                               | fpml-pretrade-4-4.xsd       |
| QuoteAcceptanceConfirmed            | fpml-pretrade-4-4.xsd       |

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|---------------------------------|--|--|--|
| QuoteAlreadyExpired             |  | fpml-pretrade-4-4.xsd                  |  |
| QuotedAs                        |  | fpml-fx-4-4.xsd                        |  |
| QuotedAssetSet                  |  | fpml-riskdef-4-4.xsd                   |  |
| QuotedCurrencyPair              |  | fpml-shared-4-4.xsd                    |  |
| QuoteTiming                     |  | fpml-asset-4-4.xsd                     |  |
| QuoteUpdated                    |  | fpml-pretrade-4-4.xsd                  |  |
| Rate                            |  | fpml-shared-4-4.xsd                    |  |
| RateIndex                       |  | fpml-asset-4-4.xsd                     |  |
| RateObservation                 |  | fpml-shared-4-4.xsd                    |  |
| RatePeriod                      |  | fpml-loan-4-4.xsd                      |  |
| RateReference                   |  | fpml-shared-4-4.xsd                    |  |
| RateSourcePage                  |  | fpml-shared-4-4.xsd                    |  |
| Reason                          |  | fpml-msg-4-4.xsd                       |  |
| ReasonCode                      |  | fpml-msg-4-4.xsd                       |  |
| Reference                       |  | fpml-shared-4-4.xsd                    |  |
| ReferenceAmount                 |  | fpml-shared-4-4.xsd                    |  |
| ReferenceBank                   |  | fpml-shared-4-4.xsd                    |  |
| ReferenceBankId                 |  | fpml-shared-4-4.xsd                    |  |
| ReferenceInformation            |  | fpml-cd-4-4.xsd                        |  |
| ReferenceObligation             |  | fpml-cd-4-4.xsd                        |  |
| ReferencePair                   |  | fpml-cd-4-4.xsd                        |  |
| ReferencePool                   |  | fpml-cd-4-4.xsd                        |  |
| ReferencePoolItem               |  | fpml-cd-4-4.xsd                        |  |
| ReferenceSwapCurve              |  | fpml-bond-option-4-4.xsd               |  |
| RelativeDateOffset              |  | fpml-shared-4-4.xsd                    |  |
| RelativeDates                   |  | fpml-shared-4-4.xsd                    |  |
| RelativeDateSequence            |  | fpml-shared-4-4.xsd                    |  |
| RelevantUnderlyingDateReference |  | fpml-ird-4-4.xsd                       |  |
| Repayment                       |  | fpml-loan-4-4.xsd                      |  |
| RepaymentNotice                 |  | fpml-loan-4-4.xsd                      |  |
| ReportingRoles                  |  | fpml-valuation-4-4.xsd                 |  |
| Representations                 |  | fpml-eq-shared-4-4.xsd                 |  |
| RepudiationMoratoriumEvent      |  | fpml-credit-event-notification-4-4.xsd |  |
| RequestAllocation               |  | fpml-allocation-4-4.xsd                |  |
| RequestAmendmentConfirmation    |  | fpml-posttrade-confirmation-4-4.xsd    |  |
| RequestedPositions              |  | fpml-reporting-4-4.xsd                 |  |
| RequestIncreaseConfirmation     |  | fpml-posttrade-confirmation-4-4.xsd    |  |
| RequestMessage                  |  | fpml-msg-4-4.xsd                       |  |
| RequestMessageHeader            |  | fpml-msg-4-4.xsd                       |  |
| RequestNovationConfirmation     |  | fpml-posttrade-confirmation-4-4.xsd    |  |
| RequestPortfolio                |  | fpml-reconciliation-4-4.xsd            |  |
| RequestPositionReport           |  | fpml-reporting-4-4.xsd                 |  |
| RequestQuote                    |  | fpml-pretrade-4-4.xsd                  |  |
| RequestQuoteResponse            |  | fpml-pretrade-4-4.xsd                  |  |
| RequestTerminationConfirmation  |  | fpml-posttrade-confirmation-4-4.xsd    |  |
| RequestTradeConfirmation        |  | fpml-confirmation-4-4.xsd              |  |
| RequestTradeMatch               |  | fpml-tradeexec-4-4.xsd                 |  |
| RequestTradeStatus              |  | fpml-msg-4-4.xsd                       |  |
| RequestValuationReport          |  | fpml-reporting-4-4.xsd                 |  |
| RequiredIdentifierDate          |  | fpml-shared-4-4.xsd                    |  |
| ResetDates                      |  | fpml-ird-4-4.xsd                       |  |
| ResetDatesReference             |  | fpml-ird-4-4.xsd                       |  |
| ResetFrequency                  |  | fpml-shared-4-4.xsd                    |  |
| Resource                        |  | fpml-credit-event-notification-4-4.xsd |  |
| ResourceId                      |  | fpml-credit-event-notification-4-4.xsd |  |
| ResourceLength                  |  | fpml-credit-event-notification-4-4.xsd |  |
| ResponseMessage                 |  | fpml-msg-4-4.xsd                       |  |

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|------------------------------|--|
| ResponseMessageHeader        | fpml-msg-4-4.xsd                       |
| Restructuring                | fpml-option-shared-4-4.xsd             |
| RestructuringEvent           | fpml-credit-event-notification-4-4.xsd |
| RestructuringType            | fpml-option-shared-4-4.xsd             |
| Return                       | fpml-eq-shared-4-4.xsd                 |
| ReturnLeg                    | fpml-eq-shared-4-4.xsd                 |
| ReturnLegValuation           | fpml-eq-shared-4-4.xsd                 |
| ReturnLegValuationPrice      | fpml-eq-shared-4-4.xsd                 |
| ReturnSwap                   | fpml-eq-shared-4-4.xsd                 |
| ReturnSwapAdditionalPayment  | fpml-eq-shared-4-4.xsd                 |
| ReturnSwapAmount             | fpml-eq-shared-4-4.xsd                 |
| ReturnSwapBase               | fpml-eq-shared-4-4.xsd                 |
| ReturnSwapEarlyTermination   | fpml-eq-shared-4-4.xsd                 |
| ReturnSwapLeg                | fpml-eq-shared-4-4.xsd                 |
| ReturnSwapLegUnderlyer       | fpml-eq-shared-4-4.xsd                 |
| ReturnSwapNotional           | fpml-eq-shared-4-4.xsd                 |
| ReturnSwapPaymentDates       | fpml-eq-shared-4-4.xsd                 |
| Rounding                     | fpml-shared-4-4.xsd                    |
| Routing                      | fpml-shared-4-4.xsd                    |
| RoutingExplicitDetails       | fpml-shared-4-4.xsd                    |
| RoutingId                    | fpml-shared-4-4.xsd                    |
| RoutingIds                   | fpml-shared-4-4.xsd                    |
| RoutingIdsAndExplicitDetails | fpml-shared-4-4.xsd                    |
| Schedule                     | fpml-shared-4-4.xsd                    |
| ScheduledDate                | fpml-valuation-4-4.xsd                 |
| ScheduledDates               | fpml-valuation-4-4.xsd                 |
| ScheduledDateType            | fpml-valuation-4-4.xsd                 |
| ScheduledTerminationDate     | fpml-cd-4-4.xsd                        |
| ScheduleReference            | fpml-shared-4-4.xsd                    |
| Sensitivity                  | fpml-valuation-4-4.xsd                 |
| SensitivityDefinition        | fpml-riskdef-4-4.xsd                   |
| SensitivitySet               | fpml-valuation-4-4.xsd                 |
| SensitivitySetDefinition     | fpml-riskdef-4-4.xsd                   |
| SensitivitySetReference      | fpml-valuation-4-4.xsd                 |
| SettledEntityMatrix          | fpml-cd-4-4.xsd                        |
| SettlementInformation        | fpml-shared-4-4.xsd                    |
| SettlementInstruction        | fpml-shared-4-4.xsd                    |
| SettlementMethod             | fpml-shared-4-4.xsd                    |
| SettlementPriceSource        | fpml-shared-4-4.xsd                    |
| SettlementProvision          | fpml-ird-4-4.xsd                       |
| SettlementRateOption         | fpml-ird-4-4.xsd                       |
| SettlementRateSource         | fpml-shared-4-4.xsd                    |
| SettlementTerms              | fpml-cd-4-4.xsd                        |
| SettlementTermsReference     | fpml-cd-4-4.xsd                        |
| SharedAmericanExercise       | fpml-shared-4-4.xsd                    |
| SideRate                     | fpml-fx-4-4.xsd                        |
| SideRates                    | fpml-fx-4-4.xsd                        |
| SimpleCreditDefaultSwap      | fpml-asset-4-4.xsd                     |
| SimpleFra                    | fpml-asset-4-4.xsd                     |
| SimpleIRSwap                 | fpml-asset-4-4.xsd                     |
| SimplePayment                | fpml-shared-4-4.xsd                    |
| SinglePartyOption            | fpml-ird-4-4.xsd                       |
| SinglePayment                | fpml-cd-4-4.xsd                        |
| SingleUnderlyer              | fpml-asset-4-4.xsd                     |
| SingleValuationDate          | fpml-cd-4-4.xsd                        |
| SpecifiedCurrency            | fpml-cd-4-4.xsd                        |
| SplitSettlement              | fpml-shared-4-4.xsd                    |

|                             |                                     |
|-----------------------------|-------------------------------------|
| SpreadSchedule              | fpml-shared-4-4.xsd                 |
| SpreadScheduleReference     | fpml-shared-4-4.xsd                 |
| SpreadScheduleType          | fpml-shared-4-4.xsd                 |
| StartingDate                | fpml-eq-shared-4-4.xsd              |
| Step                        | fpml-shared-4-4.xsd                 |
| StepReference               | fpml-reconciliation-4-4.xsd         |
| Strategy                    | fpml-doc-4-4.xsd                    |
| StrategyFeature             | fpml-option-shared-4-4.xsd          |
| StreetAddress               | fpml-shared-4-4.xsd                 |
| Strike                      | fpml-shared-4-4.xsd                 |
| StrikeSchedule              | fpml-shared-4-4.xsd                 |
| StrikeSpread                | fpml-option-shared-4-4.xsd          |
| Stub                        | fpml-shared-4-4.xsd                 |
| StubCalculationPeriod       | fpml-eq-shared-4-4.xsd              |
| StubCalculationPeriodAmount | fpml-ird-4-4.xsd                    |
| StubValue                   | fpml-shared-4-4.xsd                 |
| Swap                        | fpml-ird-4-4.xsd                    |
| SwapAdditionalTerms         | fpml-ird-4-4.xsd                    |
| SwapCurveValuation          | fpml-bond-option-4-4.xsd            |
| Swaption                    | fpml-ird-4-4.xsd                    |
| SwaptionAdjustedDates       | fpml-ird-4-4.xsd                    |
| TermCurve                   | fpml-mktenv-4-4.xsd                 |
| TermDeposit                 | fpml-fx-4-4.xsd                     |
| Termination                 | fpml-posttrade-4-4.xsd              |
| TerminationConfirmed        | fpml-posttrade-confirmation-4-4.xsd |
| TermPoint                   | fpml-mktenv-4-4.xsd                 |
| TimeDimension               | fpml-riskdef-4-4.xsd                |
| Trade                       | fpml-doc-4-4.xsd                    |
| TradeAffirmation            | fpml-confirmation-4-4.xsd           |
| TradeAffirmed               | fpml-confirmation-4-4.xsd           |
| TradeAlleged                | fpml-matching-status-4-4.xsd        |
| TradeAlreadyAffirmed        | fpml-confirmation-4-4.xsd           |
| TradeAlreadyCancelled       | fpml-msg-4-4.xsd                    |
| TradeAlreadyConfirmed       | fpml-confirmation-4-4.xsd           |
| TradeAlreadyMatched         | fpml-tradeexec-4-4.xsd              |
| TradeAlreadySubmitted       | fpml-msg-4-4.xsd                    |
| TradeAlreadyTerminated      | fpml-msg-4-4.xsd                    |
| TradeAmended                | fpml-trade-notification-4-4.xsd     |
| TradeAmendment              | fpml-posttrade-4-4.xsd              |
| TradeAmendmentRequest       | fpml-posttrade-negotiation-4-4.xsd  |
| TradeAmendmentResponse      | fpml-posttrade-negotiation-4-4.xsd  |
| TradeCancelled              | fpml-trade-notification-4-4.xsd     |
| TradeCashflowsAsserted      | fpml-reconciliation-4-4.xsd         |
| TradeCashflowsId            | fpml-reconciliation-4-4.xsd         |
| TradeCashflowsMatchResult   | fpml-reconciliation-4-4.xsd         |
| TradeCashflowsProposedMatch | fpml-reconciliation-4-4.xsd         |
| TradeCashflowsStatus        | fpml-reconciliation-4-4.xsd         |
| TradeConfirmed              | fpml-confirmation-4-4.xsd           |
| TradeCreated                | fpml-trade-notification-4-4.xsd     |
| TradeDetails                | fpml-reconciliation-4-4.xsd         |
| TradeDifference             | fpml-doc-4-4.xsd                    |
| TradeErrorResponse          | fpml-msg-4-4.xsd                    |
| TradeExecution              | fpml-trade-notification-4-4.xsd     |
| TradeExecutionCancelled     | fpml-trade-notification-4-4.xsd     |
| TradeExecutionModified      | fpml-trade-notification-4-4.xsd     |
| TradeHeader                 | fpml-doc-4-4.xsd                    |
| TradeId                     | fpml-doc-4-4.xsd                    |

|                            |                                    |
|----------------------------|------------------------------------|
| TradeIdentifier            | fpml-doc-4-4.xsd                   |
| TradeIdentifyingItems      | fpml-reconciliation-4-4.xsd        |
| TradeIncreaseRequest       | fpml-posttrade-negotiation-4-4.xsd |
| TradeIncreaseResponse      | fpml-posttrade-negotiation-4-4.xsd |
| TradeMatched               | fpml-matching-status-4-4.xsd       |
| TradeMismatched            | fpml-matching-status-4-4.xsd       |
| TradeNotFound              | fpml-msg-4-4.xsd                   |
| TradeNovated               | fpml-posttrade-execution-4-4.xsd   |
| Trader                     | fpml-doc-4-4.xsd                   |
| TradeSide                  | fpml-doc-4-4.xsd                   |
| TradeStatus                | fpml-msg-4-4.xsd                   |
| TradeStatusItem            | fpml-msg-4-4.xsd                   |
| TradeStatusValue           | fpml-msg-4-4.xsd                   |
| TradeTerminationRequest    | fpml-posttrade-negotiation-4-4.xsd |
| TradeTerminationResponse   | fpml-posttrade-negotiation-4-4.xsd |
| TradeUnderlyer             | fpml-reconciliation-4-4.xsd        |
| TradeUnderlyerReference    | fpml-reconciliation-4-4.xsd        |
| TradeUnmatched             | fpml-matching-status-4-4.xsd       |
| TradeValuationItem         | fpml-reporting-4-4.xsd             |
| Tranche                    | fpml-cd-4-4.xsd                    |
| Trigger                    | fpml-option-shared-4-4.xsd         |
| TriggerEvent               | fpml-option-shared-4-4.xsd         |
| Underlyer                  | fpml-asset-4-4.xsd                 |
| UnderlyerReferenceUnits    | fpml-reconciliation-4-4.xsd        |
| UnderlyingAsset            | fpml-asset-4-4.xsd                 |
| UnderlyingAssetTranche     | fpml-asset-4-4.xsd                 |
| UnprocessedPosition        | fpml-reconciliation-4-4.xsd        |
| Validation                 | fpml-doc-4-4.xsd                   |
| Valuation                  | fpml-riskdef-4-4.xsd               |
| ValuationDate              | fpml-cd-4-4.xsd                    |
| ValuationDatesReference    | fpml-ird-4-4.xsd                   |
| ValuationDocument          | fpml-main-4-4.xsd                  |
| ValuationPostponement      | fpml-ird-4-4.xsd                   |
| ValuationReference         | fpml-riskdef-4-4.xsd               |
| ValuationReport            | fpml-reporting-4-4.xsd             |
| Valuations                 | fpml-valuation-4-4.xsd             |
| ValuationScenario          | fpml-riskdef-4-4.xsd               |
| ValuationScenarioReference | fpml-riskdef-4-4.xsd               |
| ValuationSet               | fpml-valuation-4-4.xsd             |
| ValuationSetDetail         | fpml-valuation-4-4.xsd             |
| Variance                   | fpml-eq-shared-4-4.xsd             |
| VarianceAmount             | fpml-variance-swaps-4-4.xsd        |
| VarianceLeg                | fpml-variance-swaps-4-4.xsd        |
| VarianceSwap               | fpml-variance-swaps-4-4.xsd        |
| VersionedContractId        | fpml-doc-4-4.xsd                   |
| VersionedTradeId           | fpml-doc-4-4.xsd                   |
| VolatilityMatrix           | fpml-mktenv-4-4.xsd                |
| VolatilityRepresentation   | fpml-mktenv-4-4.xsd                |
| WeightedPartialDerivative  | fpml-riskdef-4-4.xsd               |
| YieldCurve                 | fpml-mktenv-4-4.xsd                |
| YieldCurveMethod           | fpml-ird-4-4.xsd                   |
| YieldCurveValuation        | fpml-mktenv-4-4.xsd                |
| ZeroRateCurve              | fpml-mktenv-4-4.xsd                |

## 2 Base Financial Types

### *2.1 Base Financial Types - Global Elements*

| Component                | Contained In | File               |
|--------------------------|--------------|--------------------|
| floatingRateCalculation  |              | fpml-ird-4-4.xsd   |
| fxAverageRateOption      |              | fpml-fx-4-4.xsd    |
| fxRate                   |              | fpml-asset-4-4.xsd |
| inflationRateCalculation |              | fpml-ird-4-4.xsd   |
| rateCalculation          |              | fpml-ird-4-4.xsd   |
| rateIndex                |              | fpml-asset-4-4.xsd |
| strategy                 |              | fpml-doc-4-4.xsd   |

## 2.2 Base Financial Types - Local Elements

| Component                      | Contained In                 | File                           |
|--------------------------------|------------------------------|--------------------------------|
| acceleratedOrMatured           | DeliverableObligations       | fpml-cd-4-4.xsd                |
| accrualAmount                  | FeeAccrualPeriod             | fpml-loan-4-4.xsd              |
| accruedAmount                  | CashflowCalculationPeriod    | fpml-reconciliation-4-4.xsd    |
| additionalPaymentAmount        | ReturnSwapAdditionalPayment  | fpml-eq-shared-4-4.xsd         |
| allInRate                      | InterestRatePeriod           | fpml-loan-4-4.xsd              |
| amount                         | ActualPrice                  | fpml-asset-4-4.xsd             |
| amount                         | CashflowNotional             | fpml-reconciliation-4-4.xsd    |
| amount                         | CorrelationLeg               | fpml-correlation-swaps-4-4.xsd |
| amount                         | FacilityRepayment            | fpml-loan-4-4.xsd              |
| amount                         | FeaturePayment               | fpml-option-shared-4-4.xsd     |
| amount                         | InterestPayment              | fpml-loan-4-4.xsd              |
| amount                         | LoanContract                 | fpml-loan-4-4.xsd              |
| amount                         | LoanContractRepayment        | fpml-loan-4-4.xsd              |
| amount                         | Money                        | fpml-shared-4-4.xsd            |
| amount                         | NonNegativeMoney             | fpml-shared-4-4.xsd            |
| amount                         | OneOffFeePayment             | fpml-loan-4-4.xsd              |
| amount                         | OnGoingFeePayment            | fpml-loan-4-4.xsd              |
| amount                         | PendingPayment               | fpml-asset-4-4.xsd             |
| amount                         | PositiveMoney                | fpml-shared-4-4.xsd            |
| amount                         | ReturnLeg                    | fpml-eq-shared-4-4.xsd         |
| amount                         | VarianceLeg                  | fpml-variance-swaps-4-4.xsd    |
| amountRelativeTo               | FxConversion                 | fpml-asset-4-4.xsd             |
| amountRelativeTo               | Price                        | fpml-asset-4-4.xsd             |
| amountRelativeTo               | PrincipalExchangeAmount      | fpml-eq-shared-4-4.xsd         |
| amountRelativeTo               | ReturnSwapNotional           | fpml-eq-shared-4-4.xsd         |
| averageRateObservationDate     | FxAverageRateOption          | fpml-fx-4-4.xsd                |
| averageRateObservationSchedule | FxAverageRateOption          | fpml-fx-4-4.xsd                |
| averageRateQuoteBasis          | FxAverageRateOption          | fpml-fx-4-4.xsd                |
| averageRateWeightingFactor     | FxAverageRateObservationDate | fpml-fx-4-4.xsd                |
| basketAmount                   | ConstituentWeight            | fpml-asset-4-4.xsd             |
| calculatedRate                 | CashflowCalculationElements  | fpml-reconciliation-4-4.xsd    |
| calculatedRate                 | FloatingRateDefinition       | fpml-ird-4-4.xsd               |
| calculatedRateReference        | CashflowCalculationPeriod    | fpml-reconciliation-4-4.xsd    |
| calculationAmount              | FixedAmountCalculation       | fpml-cd-4-4.xsd                |
| calculationAmount              | ProtectionTerms              | fpml-cd-4-4.xsd                |
| calculationPeriodAmount        | InterestRateStream           | fpml-ird-4-4.xsd               |
| callCurrencyAmount             | FxAverageRateOption          | fpml-fx-4-4.xsd                |
| callCurrencyAmount             | FxOptionLeg                  | fpml-fx-4-4.xsd                |
| capRate                        | FloatingRateDefinition       | fpml-ird-4-4.xsd               |
| capRateSchedule                | FloatingRate                 | fpml-shared-4-4.xsd            |
| cashflowAmount                 | GrossCashflow                | fpml-reconciliation-4-4.xsd    |
| cashSettlementAmount           | CashSettlementTerms          | fpml-cd-4-4.xsd                |
| changeInNotionalAmount         | ChangeContractSize           | fpml-doc-4-4.xsd               |
| commissionAmount               | Commission                   | fpml-asset-4-4.xsd             |
| compoundingRate                | Compounding                  | fpml-eq-shared-4-4.xsd         |
| couponRate                     | Bond                         | fpml-asset-4-4.xsd             |
| couponRate                     | Mortgage                     | fpml-asset-4-4.xsd             |
| creditChargeAmount             | Allocation                   | fpml-doc-4-4.xsd               |
| currency1SideRate              | SideRates                    | fpml-fx-4-4.xsd                |
| currency2SideRate              | SideRates                    | fpml-fx-4-4.xsd                |
| currentAmount                  | FacilityCommitmentPosition   | fpml-loan-4-4.xsd              |
| currentAmount                  | LoanContractPosition         | fpml-loan-4-4.xsd              |
| currentInterestRatePeriod      | LoanContract                 | fpml-loan-4-4.xsd              |

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|--------------------------------|---------------------------|-----------------------------|
| decreaseInNotionalAmount       | PartialTerminationAmount  | fpml-posttrade-4-4.xsd      |
| discountRate                   | Discounting               | fpml-ird-4-4.xsd            |
| discountRateDayCountFraction   | Discounting               | fpml-ird-4-4.xsd            |
| dividendAmount                 | DividendConditions        | fpml-shared-4-4.xsd         |
| equityAmount                   | DeprecatedEquityLeg       | fpml-return-swaps-4-4.xsd   |
| equityAmount                   | DeprecatedVarianceLeg     | fpml-eq-shared-4-4.xsd      |
| excessDividendAmount           | DividendConditions        | fpml-shared-4-4.xsd         |
| exchangeRate                   | FxLeg                     | fpml-fx-4-4.xsd             |
| exchangeRate                   | QuotableFxLeg             | fpml-pretrade-4-4.xsd       |
| faceAmount                     | Bond                      | fpml-asset-4-4.xsd          |
| fallbackSettlementRateOption   | FallbackReferencePrice    | fpml-ird-4-4.xsd            |
| feeAmount                      | ExerciseFee               | fpml-shared-4-4.xsd         |
| feeAmountSchedule              | ExerciseFeeSchedule       | fpml-shared-4-4.xsd         |
| feeRate                        | ExerciseFee               | fpml-shared-4-4.xsd         |
| feeRatePeriod                  | FeeAccrualSchedule        | fpml-loan-4-4.xsd           |
| feeRateSchedule                | ExerciseFeeSchedule       | fpml-shared-4-4.xsd         |
| finalRateRounding              | FloatingRateCalculation   | fpml-shared-4-4.xsd         |
| fixedAmount                    | PeriodicPayment           | fpml-cd-4-4.xsd             |
| fixedAmount                    | SinglePayment             | fpml-cd-4-4.xsd             |
| fixedAmountCalculation         | PeriodicPayment           | fpml-cd-4-4.xsd             |
| fixedPaymentAmount             | PaymentCalculationPeriod  | fpml-ird-4-4.xsd            |
| fixedRate                      | CalculationPeriod         | fpml-ird-4-4.xsd            |
| fixedRate                      | FixedAmountCalculation    | fpml-cd-4-4.xsd             |
| fixedRate                      | Fra                       | fpml-ird-4-4.xsd            |
| fixedRate                      | InterestAccrualsMethod    | fpml-shared-4-4.xsd         |
| fixedRate                      | TermDeposit               | fpml-fx-4-4.xsd             |
| fixedRate                      | TradeUnderlyer            | fpml-reconciliation-4-4.xsd |
| fixedRateSchedule              | Calculation               | fpml-ird-4-4.xsd            |
| fixedRateStepReference         | CashflowCalculationPeriod | fpml-reconciliation-4-4.xsd |
| floatingAmountEvents           | ProtectionTerms           | fpml-cd-4-4.xsd             |
| floatingAmountProvisions       | FloatingAmountEvents      | fpml-cd-4-4.xsd             |
| floatingRate                   | StubValue                 | fpml-shared-4-4.xsd         |
| floatingRate                   | TradeUnderlyer            | fpml-reconciliation-4-4.xsd |
| floatingRateCalculation        | InterestAccrualsMethod    | fpml-shared-4-4.xsd         |
| floatingRateDefinition         | CalculationPeriod         | fpml-ird-4-4.xsd            |
| floatingRateIndex              | FloatingRate              | fpml-shared-4-4.xsd         |
| floatingRateIndex              | ForecastRateIndex         | fpml-shared-4-4.xsd         |
| floatingRateIndex              | Fra                       | fpml-ird-4-4.xsd            |
| floatingRateIndex              | InterestRatePeriod        | fpml-loan-4-4.xsd           |
| floatingRateIndex              | RateIndex                 | fpml-asset-4-4.xsd          |
| floatingRateIndex              | SwapCurveValuation        | fpml-bond-option-4-4.xsd    |
| floatingRateMultiplier         | FloatingRateDefinition    | fpml-ird-4-4.xsd            |
| floatingRateMultiplierSchedule | FloatingRate              | fpml-shared-4-4.xsd         |
| floorRate                      | FloatingRateDefinition    | fpml-ird-4-4.xsd            |
| floorRateSchedule              | FloatingRate              | fpml-shared-4-4.xsd         |
| forecastAmount                 | CalculationPeriod         | fpml-ird-4-4.xsd            |
| forecastPaymentAmount          | PaymentCalculationPeriod  | fpml-ird-4-4.xsd            |
| forecastRate                   | CalculationPeriod         | fpml-ird-4-4.xsd            |
| forecastRate                   | RateObservation           | fpml-shared-4-4.xsd         |
| forecastRateIndex              | YieldCurve                | fpml-mktenv-4-4.xsd         |
| fxLinkedNotionalAmount         | CalculationPeriod         | fpml-ird-4-4.xsd            |
| fxRate                         | AssetValuation            | fpml-valuation-4-4.xsd      |
| fxRate                         | Commission                | fpml-asset-4-4.xsd          |
| fxRate                         | FxConversion              | fpml-asset-4-4.xsd          |
| fxRate                         | FxTerms                   | fpml-loan-4-4.xsd           |
| fxRate                         | Quanto                    | fpml-option-shared-4-4.xsd  |
| fxSpotRateSource               | Composite                 | fpml-option-shared-4-4.xsd  |



|                               |                                |  |
|-------------------------------|--------------------------------|--|
| fxSpotRateSource              | FxLinkedNotionalSchedule       | fpml-ird-4-4.xsd                       |
| fxSpotRateSource              | Quanto                         | fpml-option-shared-4-4.xsd             |
| globalAmount                  | ParticipationAmount            | fpml-loan-4-4.xsd                      |
| increaseInNotionalAmount      | Increase                       | fpml-doc-4-4.xsd                       |
| independentAmount             | Collateral                     | fpml-doc-4-4.xsd                       |
| initialRate                   | FloatingRateCalculation        | fpml-shared-4-4.xsd                    |
| integralMultipleAmount        | MultipleExercise               | fpml-shared-4-4.xsd                    |
| integralMultipleAmount        | PartialExercise                | fpml-shared-4-4.xsd                    |
| interestAmount                | InterestLeg                    | fpml-eq-shared-4-4.xsd                 |
| interestLegRate               | CompoundingRate                | fpml-eq-shared-4-4.xsd                 |
| interestRate                  | InterestRatePeriod             | fpml-loan-4-4.xsd                      |
| interestRatePeriod            | InterestAccrualSchedule        | fpml-loan-4-4.xsd                      |
| knownAmountSchedule           | CalculationPeriodAmount        | fpml-ird-4-4.xsd                       |
| makeWholeAmount               | ReferenceSwapCurve             | fpml-bond-option-4-4.xsd               |
| mandatoryCostRate             | InterestRatePeriod             | fpml-loan-4-4.xsd                      |
| marketFixedRate               | FeeLeg                         | fpml-cd-4-4.xsd                        |
| maximumNotionalAmount         | MultipleExercise               | fpml-shared-4-4.xsd                    |
| minimumNotionalAmount         | MultipleExercise               | fpml-shared-4-4.xsd                    |
| minimumNotionalAmount         | PartialExercise                | fpml-shared-4-4.xsd                    |
| minimumQuotationAmount        | CashSettlementTerms            | fpml-cd-4-4.xsd                        |
| negativeInterestRateTreatment | FloatingRateCalculation        | fpml-shared-4-4.xsd                    |
| notionalAmount                | CalculationPeriod              | fpml-ird-4-4.xsd                       |
| notionalAmount                | Correlation                    | fpml-eq-shared-4-4.xsd                 |
| notionalAmount                | FxLinkedNotionalAmount         | fpml-ird-4-4.xsd                       |
| notionalAmount                | OptionBaseExtended             | fpml-option-shared-4-4.xsd             |
| notionalAmount                | ReturnSwapNotional             | fpml-eq-shared-4-4.xsd                 |
| notionalAmountReference       | PercentageRule                 | fpml-doc-4-4.xsd                       |
| notionalStepAmount            | NotionalStepRule               | fpml-ird-4-4.xsd                       |
| notionalStepRate              | NotionalStepRule               | fpml-ird-4-4.xsd                       |
| novatedAmount                 | ContractNovation               | fpml-doc-4-4.xsd                       |
| novatedAmount                 | Novation                       | fpml-posttrade-4-4.xsd                 |
| observedFxSpotRate            | FxLinkedNotionalAmount         | fpml-ird-4-4.xsd                       |
| observedRate                  | ObservedRates                  | fpml-fx-4-4.xsd                        |
| observedRate                  | RateObservation                | fpml-shared-4-4.xsd                    |
| observedRates                 | FxAverageRateOption            | fpml-fx-4-4.xsd                        |
| originalAmount                | LoanContractIdentifier         | fpml-loan-4-4.xsd                      |
| originalCommitmentAmount      | FacilityIdentifier             | fpml-loan-4-4.xsd                      |
| originalPrincipalAmount       | Mortgage                       | fpml-asset-4-4.xsd                     |
| outstandingNotionalAmount     | ChangeContractSize             | fpml-doc-4-4.xsd                       |
| outstandingNotionalAmount     | Increase                       | fpml-doc-4-4.xsd                       |
| outstandingNotionalAmount     | PartialTerminationAmount       | fpml-posttrade-4-4.xsd                 |
| partialExerciseAmount         | RestructuringEvent             | fpml-credit-event-notification-4-4.xsd |
| paymentAmount                 | AdditionalPaymentAmount        | fpml-eq-shared-4-4.xsd                 |
| paymentAmount                 | AdjustedPaymentDates           | fpml-cd-4-4.xsd                        |
| paymentAmount                 | EquityPremium                  | fpml-eq-shared-4-4.xsd                 |
| paymentAmount                 | FixedPaymentAmount             | fpml-dividend-swaps-4-4.xsd            |
| paymentAmount                 | InitialPayment                 | fpml-cd-4-4.xsd                        |
| paymentAmount                 | NonNegativePayment             | fpml-shared-4-4.xsd                    |
| paymentAmount                 | Payment                        | fpml-shared-4-4.xsd                    |
| paymentAmount                 | PaymentDetail                  | fpml-doc-4-4.xsd                       |
| paymentAmount                 | PaymentDetail                  | fpml-doc-4-4.xsd                       |
| paymentAmount                 | PaymentMatching                | fpml-reconciliation-4-4.xsd            |
| paymentAmount                 | PositivePayment                | fpml-shared-4-4.xsd                    |
| paymentAmount                 | QuotablePayment                | fpml-pretrade-4-4.xsd                  |
| paymentAmount                 | SimplePayment                  | fpml-shared-4-4.xsd                    |
| perturbationAmount            | DerivativeCalculationProcedure | fpml-riskdef-4-4.xsd                   |
| positionAmount                | LenderPositionPeriod           | fpml-loan-4-4.xsd                      |

|                                     |                               |                            |
|-------------------------------------|-------------------------------|----------------------------|
| premiumAmount                       | FxOptionPremium               | fpml-fx-4-4.xsd            |
| prePaymentAmount                    | PrePayment                    | fpml-eqd-4-4.xsd           |
| presentValueAmount                  | Payment                       | fpml-shared-4-4.xsd        |
| presentValueAmount                  | PaymentCalculationPeriod      | fpml-ird-4-4.xsd           |
| presentValueAmount                  | Premium                       | fpml-option-shared-4-4.xsd |
| presentValuePrincipalExchangeAmount | PrincipalExchange             | fpml-ird-4-4.xsd           |
| primaryRateSource                   | FxAverageRateOption           | fpml-fx-4-4.xsd            |
| primaryRateSource                   | FxSpotRateSource              | fpml-shared-4-4.xsd        |
| principalAmount                     | PrincipalExchangeAmount       | fpml-eq-shared-4-4.xsd     |
| principalExchangeAmount             | PrincipalExchange             | fpml-ird-4-4.xsd           |
| principalExchangeAmount             | PrincipalExchangeDescriptions | fpml-eq-shared-4-4.xsd     |
| priorAmount                         | FacilityCommitmentPosition    | fpml-loan-4-4.xsd          |
| priorAmount                         | LoanContractPosition          | fpml-loan-4-4.xsd          |
| putCurrencyAmount                   | FxAverageRateOption           | fpml-fx-4-4.xsd            |
| putCurrencyAmount                   | FxOptionLeg                   | fpml-fx-4-4.xsd            |
| quotationAmount                     | CashSettlementTerms           | fpml-cd-4-4.xsd            |
| quotationRateType                   | CashPriceMethod               | fpml-ird-4-4.xsd           |
| quotationRateType                   | YieldCurveMethod              | fpml-ird-4-4.xsd           |
| rate                                | FxRate                        | fpml-shared-4-4.xsd        |
| rate                                | FxStrikePrice                 | fpml-fx-4-4.xsd            |
| rate                                | RatePeriod                    | fpml-loan-4-4.xsd          |
| rate                                | SideRate                      | fpml-fx-4-4.xsd            |
| rateCurve                           | ForwardRateCurve              | fpml-mktenv-4-4.xsd        |
| rateCurve                           | ZeroRateCurve                 | fpml-mktenv-4-4.xsd        |
| rateCutOffDaysOffset                | ResetDates                    | fpml-ird-4-4.xsd           |
| rateFixingDate                      | InterestRatePeriod            | fpml-loan-4-4.xsd          |
| rateObservation                     | FloatingRateDefinition        | fpml-ird-4-4.xsd           |
| rateOfReturn                        | ReturnLeg                     | fpml-eq-shared-4-4.xsd     |
| rateReference                       | RateObservation               | fpml-shared-4-4.xsd        |
| rateSource                          | FxRateAsset                   | fpml-asset-4-4.xsd         |
| rateSource                          | InformationSource             | fpml-shared-4-4.xsd        |
| rateSource                          | InterestShortFall             | fpml-cd-4-4.xsd            |
| rateSourcePage                      | InformationSource             | fpml-shared-4-4.xsd        |
| rateSourcePageHeading               | InformationSource             | fpml-shared-4-4.xsd        |
| rateTreatment                       | FloatingRate                  | fpml-shared-4-4.xsd        |
| recoveryRate                        | CreditCurveValuation          | fpml-mktenv-4-4.xsd        |
| recoveryRateCurve                   | CreditCurveValuation          | fpml-mktenv-4-4.xsd        |
| referenceAmount                     | LegAmount                     | fpml-eq-shared-4-4.xsd     |
| secondaryRateSource                 | FxAverageRateOption           | fpml-fx-4-4.xsd            |
| secondaryRateSource                 | FxSpotRateSource              | fpml-shared-4-4.xsd        |
| settlementAmount                    | DirectionalLegUnderlyer       | fpml-eq-shared-4-4.xsd     |
| settlementAmount                    | EquityOptionTermination       | fpml-eqd-4-4.xsd           |
| settlementAmount                    | OptionBaseExtended            | fpml-option-shared-4-4.xsd |
| settlementAmountPaymentDate         | EquityOptionTermination       | fpml-eqd-4-4.xsd           |
| settlementRateOption                | NonDeliverableSettlement      | fpml-ird-4-4.xsd           |
| settlementRateSource                | YieldCurveMethod              | fpml-ird-4-4.xsd           |
| shareAmount                         | ParticipationAmount           | fpml-loan-4-4.xsd          |
| shareCommitmentAmount               | LenderLoanContractPeriod      | fpml-loan-4-4.xsd          |
| shareInterestAccrualAmount          | InterestAccrualPeriod         | fpml-loan-4-4.xsd          |
| shareLoanContractAmount             | DrawdownPayment               | fpml-loan-4-4.xsd          |
| shareLoanContractAmount             | LenderLoanContractPeriod      | fpml-loan-4-4.xsd          |
| sharePikAccrualAmount               | InterestAccrualPeriod         | fpml-loan-4-4.xsd          |
| sideRateBasis                       | SideRate                      | fpml-fx-4-4.xsd            |
| sideRates                           | ExchangeRate                  | fpml-fx-4-4.xsd            |
| specificRate                        | CompoundingRate               | fpml-eq-shared-4-4.xsd     |
| splitSettlementAmount               | SplitSettlement               | fpml-shared-4-4.xsd        |
| spotRate                            | ExchangeRate                  | fpml-fx-4-4.xsd            |

|                             |                      |                            |
|-----------------------------|----------------------|----------------------------|
| spotRate                    | FxAverageRateOption  | fpml-fx-4-4.xsd            |
| spotRate                    | FxBarrierOption      | fpml-fx-4-4.xsd            |
| spotRate                    | FxCurveValuation     | fpml-mktenv-4-4.xsd        |
| spotRate                    | FxDigitalOption      | fpml-fx-4-4.xsd            |
| spotRate                    | SideRate             | fpml-fx-4-4.xsd            |
| strategyFeature             | EquityDerivativeBase | fpml-eqd-4-4.xsd           |
| strategyFeature             | OptionFeature        | fpml-option-shared-4-4.xsd |
| strikeRate                  | Strike               | fpml-shared-4-4.xsd        |
| stubAmount                  | StubValue            | fpml-shared-4-4.xsd        |
| stubCalculationPeriodAmount | InterestRateStream   | fpml-ird-4-4.xsd           |
| stubRate                    | StubValue            | fpml-shared-4-4.xsd        |
| thresholdRate               | AutomaticExercise    | fpml-shared-4-4.xsd        |
| treatedForecastRate         | RateObservation      | fpml-shared-4-4.xsd        |
| treatedRate                 | RateObservation      | fpml-shared-4-4.xsd        |
| triggerRate                 | FxAmericanTrigger    | fpml-fx-4-4.xsd            |
| triggerRate                 | FxBarrier            | fpml-fx-4-4.xsd            |
| triggerRate                 | FxEuropeanTrigger    | fpml-fx-4-4.xsd            |
| varianceAmount              | DeprecatedVariance   | fpml-eq-shared-4-4.xsd     |
| varianceAmount              | Variance             | fpml-eq-shared-4-4.xsd     |
| vegaNotionalAmount          | DeprecatedVariance   | fpml-eq-shared-4-4.xsd     |
| vegaNotionalAmount          | Variance             | fpml-eq-shared-4-4.xsd     |

## 2.3 Base Financial Types - Complex Types

| Component                        | Contained In | File                           |
|----------------------------------|--------------|--------------------------------|
| AdditionalPaymentAmount          |              | fpml-eq-shared-4-4.xsd         |
| AmountReference                  |              | fpml-shared-4-4.xsd            |
| AmountSchedule                   |              | fpml-shared-4-4.xsd            |
| CalculatedAmount                 |              | fpml-eq-shared-4-4.xsd         |
| CalculationAmount                |              | fpml-cd-4-4.xsd                |
| CalculationPeriodAmount          |              | fpml-ird-4-4.xsd               |
| CompoundingRate                  |              | fpml-eq-shared-4-4.xsd         |
| CorrelationAmount                |              | fpml-correlation-swaps-4-4.xsd |
| Currency                         |              | fpml-shared-4-4.xsd            |
| DeprecatedVarianceAmount         |              | fpml-eq-shared-4-4.xsd         |
| EquityCorporateEvents            |              | fpml-eq-shared-4-4.xsd         |
| ExchangeRate                     |              | fpml-fx-4-4.xsd                |
| FixedAmountCalculation           |              | fpml-cd-4-4.xsd                |
| FixedPaymentAmount               |              | fpml-dividend-swaps-4-4.xsd    |
| FixedRate                        |              | fpml-cd-4-4.xsd                |
| FixedRateReference               |              | fpml-cd-4-4.xsd                |
| FloatingAmountEvents             |              | fpml-cd-4-4.xsd                |
| FloatingAmountProvisions         |              | fpml-cd-4-4.xsd                |
| FloatingRate                     |              | fpml-shared-4-4.xsd            |
| FloatingRateCalculation          |              | fpml-shared-4-4.xsd            |
| FloatingRateDefinition           |              | fpml-ird-4-4.xsd               |
| FloatingRateIndex                |              | fpml-shared-4-4.xsd            |
| ForecastRateIndex                |              | fpml-shared-4-4.xsd            |
| ForwardRateCurve                 |              | fpml-mktenv-4-4.xsd            |
| FxAverageRateObservationDate     |              | fpml-fx-4-4.xsd                |
| FxAverageRateObservationSchedule |              | fpml-fx-4-4.xsd                |
| FxAverageRateOption              |              | fpml-fx-4-4.xsd                |
| FxLinkedNotionalAmount           |              | fpml-ird-4-4.xsd               |
| FxRate                           |              | fpml-shared-4-4.xsd            |
| FxRateAsset                      |              | fpml-asset-4-4.xsd             |
| FxRateSet                        |              | fpml-mktenv-4-4.xsd            |
| FxSpotRateSource                 |              | fpml-shared-4-4.xsd            |
| IndependentAmount                |              | fpml-doc-4-4.xsd               |
| InflationRateCalculation         |              | fpml-ird-4-4.xsd               |
| InterestRatePeriod               |              | fpml-loan-4-4.xsd              |
| InterestRateStream               |              | fpml-ird-4-4.xsd               |
| InterestRateStreamReference      |              | fpml-ird-4-4.xsd               |
| LegAmount                        |              | fpml-eq-shared-4-4.xsd         |
| MakeWholeAmount                  |              | fpml-bond-option-4-4.xsd       |
| Money                            |              | fpml-shared-4-4.xsd            |
| NotionalAmountReference          |              | fpml-shared-4-4.xsd            |
| ObservedRates                    |              | fpml-fx-4-4.xsd                |
| PartialTerminationAmount         |              | fpml-posttrade-4-4.xsd         |
| ParticipationAmount              |              | fpml-loan-4-4.xsd              |
| PrincipalExchangeAmount          |              | fpml-eq-shared-4-4.xsd         |
| QuotableFxRate                   |              | fpml-pretrade-4-4.xsd          |
| Rate                             |              | fpml-shared-4-4.xsd            |
| RateIndex                        |              | fpml-asset-4-4.xsd             |
| RateObservation                  |              | fpml-shared-4-4.xsd            |
| RatePeriod                       |              | fpml-loan-4-4.xsd              |
| RateReference                    |              | fpml-shared-4-4.xsd            |
| RateSourcePage                   |              | fpml-shared-4-4.xsd            |
| ReferenceAmount                  |              | fpml-shared-4-4.xsd            |

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| ReturnSwapAmount            |  | fpml-eq-shared-4-4.xsd      |
| Rounding                    |  | fpml-shared-4-4.xsd         |
| SettlementRateOption        |  | fpml-ird-4-4.xsd            |
| SettlementRateSource        |  | fpml-shared-4-4.xsd         |
| SideRate                    |  | fpml-fx-4-4.xsd             |
| SideRates                   |  | fpml-fx-4-4.xsd             |
| Strategy                    |  | fpml-doc-4-4.xsd            |
| StrategyFeature             |  | fpml-option-shared-4-4.xsd  |
| StubCalculationPeriodAmount |  | fpml-ird-4-4.xsd            |
| VarianceAmount              |  | fpml-variance-swaps-4-4.xsd |
| ZeroRateCurve               |  | fpml-mktnv-4-4.xsd          |

## **3 Dates and Times**

### ***3.1 Dates and Times - Global Elements***

No components

## 3.2 Dates and Times - Local Elements

| Component                           | Contained In                           | File                        |
|-------------------------------------|--|-----------------------------|
| additionalPaymentDate               | ReturnSwapAdditionalPayment            | fpml-eq-shared-4-4.xsd      |
| adjustableDate                      | AdjustableDateOrRelativeDateSequence   | fpml-eq-shared-4-4.xsd      |
| adjustableDate                      | AdjustableOrRelativeDate               | fpml-shared-4-4.xsd         |
| adjustableDate                      | DeprecatedScheduledTerminationDate     | fpml-cd-4-4.xsd             |
| adjustableDate                      | DividendPaymentDate                    | fpml-shared-4-4.xsd         |
| adjustableDate                      | ScheduledTerminationDate               | fpml-cd-4-4.xsd             |
| adjustableDate                      | StartingDate                           | fpml-eq-shared-4-4.xsd      |
| adjustableDates                     | AdjustableDatesOrRelativeDateOffset    | fpml-shared-4-4.xsd         |
| adjustableDates                     | AdjustableOrRelativeDates              | fpml-shared-4-4.xsd         |
| adjustableDates                     | AdjustableRelativeOrPeriodicDates      | fpml-shared-4-4.xsd         |
| adjustableDates                     | AdjustableRelativeOrPeriodicDates2     | fpml-shared-4-4.xsd         |
| adjustableDates                     | CashSettlementPaymentDate              | fpml-ird-4-4.xsd            |
| adjustablePaymentDate               | InitialPayment                         | fpml-cd-4-4.xsd             |
| adjustablePaymentDate               | PaymentDetail                          | fpml-doc-4-4.xsd            |
| adjustablePaymentDate               | SinglePayment                          | fpml-cd-4-4.xsd             |
| adjustedCashSettlementPaymentDate   | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| adjustedCashSettlementValuationDate | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedCashSettlementValuationDate | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedCashSettlementValuationDate | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| adjustedDate                        | AdjustableOrRelativeAndAdjustedDate    | fpml-shared-4-4.xsd         |
| adjustedDate                        | ScheduledDate                          | fpml-valuation-4-4.xsd      |
| adjustedDate                        | ScheduledDate                          | fpml-valuation-4-4.xsd      |
| adjustedEarlyTerminationDate        | CancellationEvent                      | fpml-ird-4-4.xsd            |
| adjustedEarlyTerminationDate        | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedEarlyTerminationDate        | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| adjustedEffectiveDate               | Fra                                    | fpml-ird-4-4.xsd            |
| adjustedEndDate                     | CalculationPeriod                      | fpml-ird-4-4.xsd            |
| adjustedEndDate                     | CashflowCalculationPeriod              | fpml-reconciliation-4-4.xsd |
| adjustedExerciseDate                | CancellationEvent                      | fpml-ird-4-4.xsd            |
| adjustedExerciseDate                | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedExerciseDate                | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedExerciseDate                | ExtensionEvent                         | fpml-ird-4-4.xsd            |
| adjustedExerciseFeePaymentDate      | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedExerciseFeePaymentDate      | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedExtendedTerminationDate     | ExtensionEvent                         | fpml-ird-4-4.xsd            |
| adjustedFixingDate                  | RateObservation                        | fpml-shared-4-4.xsd         |
| adjustedFxSpotFixingDate            | FxLinkedNotionalAmount                 | fpml-ird-4-4.xsd            |
| adjustedPaymentDate                 | AdjustedPaymentDates                   | fpml-cd-4-4.xsd             |
| adjustedPaymentDate                 | AllegedCashflow                        | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDate                 | AssertedCashflow                       | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDate                 | CancelTradeCashflows                   | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDate                 | InitialPayment                         | fpml-cd-4-4.xsd             |
| adjustedPaymentDate                 | Payment                                | fpml-shared-4-4.xsd         |
| adjustedPaymentDate                 | PaymentCalculationPeriod               | fpml-ird-4-4.xsd            |
| adjustedPaymentDate                 | PaymentDetail                          | fpml-doc-4-4.xsd            |
| adjustedPaymentDate                 | SinglePayment                          | fpml-cd-4-4.xsd             |
| adjustedPaymentDate                 | TradeCashflowsAsserted                 | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDate                 | TradeCashflowsProposedMatch            | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDates                | PeriodicPayment                        | fpml-cd-4-4.xsd             |
| adjustedPrincipalExchangeDate       | PrincipalExchange                      | fpml-ird-4-4.xsd            |
| adjustedRelevantSwapEffectiveDate   | ExerciseEvent                          | fpml-ird-4-4.xsd            |

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|-----------------------------------|--------------------------------------|-----------------------------|
| adjustedStartDate                 | CalculationPeriod                    | fpml-ird-4-4.xsd            |
| adjustedStartDate                 | CashflowCalculationPeriod            | fpml-reconciliation-4-4.xsd |
| adjustedTerminationDate           | Fra                                  | fpml-ird-4-4.xsd            |
| amendmentEffectiveDate            | Amendment                            | fpml-doc-4-4.xsd            |
| amendmentTradeDate                | Amendment                            | fpml-doc-4-4.xsd            |
| asOfDate                          | AllegedCashflow                      | fpml-reconciliation-4-4.xsd |
| asOfDate                          | AssertedCashflow                     | fpml-reconciliation-4-4.xsd |
| asOfDate                          | PortfolioDefinition                  | fpml-reconciliation-4-4.xsd |
| asOfDate                          | PositionReport                       | fpml-reporting-4-4.xsd      |
| asOfDate                          | RequestPortfolio                     | fpml-reconciliation-4-4.xsd |
| asOfDate                          | RequestPositionReport                | fpml-reporting-4-4.xsd      |
| asOfDate                          | TradeCashflowsAsserted               | fpml-reconciliation-4-4.xsd |
| averageRateObservationDate        | FxAverageRateOption                  | fpml-fx-4-4.xsd             |
| averageRateObservationSchedule    | FxAverageRateOption                  | fpml-fx-4-4.xsd             |
| averagingDateTimes                | AveragingPeriod                      | fpml-option-shared-4-4.xsd  |
| averagingDateTimes                | AveragingPeriod                      | fpml-option-shared-4-4.xsd  |
| averagingPeriodIn                 | Asian                                | fpml-option-shared-4-4.xsd  |
| averagingPeriodOut                | Asian                                | fpml-option-shared-4-4.xsd  |
| baseDate                          | PricingStructureValuation            | fpml-riskdef-4-4.xsd        |
| bermudaExerciseDates              | BermudaExercise                      | fpml-shared-4-4.xsd         |
| bermudaExerciseDates              | EquityBermudaExercise                | fpml-eqd-4-4.xsd            |
| buildDateTime                     | PricingStructureValuation            | fpml-riskdef-4-4.xsd        |
| buildDateTime                     | PricingStructureValuation            | fpml-riskdef-4-4.xsd        |
| businessDateRange                 | CashSettlementPaymentDate            | fpml-ird-4-4.xsd            |
| businessDayConvention             | BusinessDateRange                    | fpml-shared-4-4.xsd         |
| businessDayConvention             | BusinessDayAdjustments               | fpml-shared-4-4.xsd         |
| businessDayConvention             | DateOffset                           | fpml-shared-4-4.xsd         |
| businessDayConvention             | FinalCalculationPeriodDateAdjustment | fpml-ird-4-4.xsd            |
| businessDayConvention             | FxFixingDate                         | fpml-ird-4-4.xsd            |
| businessDayConvention             | RelativeDateOffset                   | fpml-shared-4-4.xsd         |
| businessDays                      | PhysicalSettlementPeriod             | fpml-cd-4-4.xsd             |
| businessDays                      | SingleValuationDate                  | fpml-cd-4-4.xsd             |
| businessDaysNotSpecified          | PhysicalSettlementPeriod             | fpml-cd-4-4.xsd             |
| businessDaysThereafter            | MultipleValuationDates               | fpml-cd-4-4.xsd             |
| calculationDates                  | CalculatedAmount                     | fpml-eq-shared-4-4.xsd      |
| calculationDates                  | LegAmount                            | fpml-eq-shared-4-4.xsd      |
| calculationEndDate                | PeriodicDates                        | fpml-shared-4-4.xsd         |
| calculationPeriod                 | CashflowCalculationElements          | fpml-reconciliation-4-4.xsd |
| calculationPeriod                 | PaymentCalculationPeriod             | fpml-ird-4-4.xsd            |
| calculationPeriodAmount           | InterestRateStream                   | fpml-ird-4-4.xsd            |
| calculationPeriodDates            | InterestRateStream                   | fpml-ird-4-4.xsd            |
| calculationPeriodDates            | InterestRateStream                   | fpml-ird-4-4.xsd            |
| calculationPeriodDatesAdjustments | CalculationPeriodDates               | fpml-ird-4-4.xsd            |
| calculationPeriodDatesAdjustments | CalculationPeriodDates               | fpml-ird-4-4.xsd            |
| calculationPeriodDatesAdjustments | PeriodicDates                        | fpml-shared-4-4.xsd         |
| calculationPeriodDatesAdjustments | PeriodicDates                        | fpml-shared-4-4.xsd         |
| calculationPeriodDatesReference   | DateRelativeToCalculationPeriodDates | fpml-ird-4-4.xsd            |
| calculationPeriodDatesReference   | DateRelativeToCalculationPeriodDates | fpml-ird-4-4.xsd            |
| calculationPeriodDatesReference   | InterestLegResetDates                | fpml-eq-shared-4-4.xsd      |
| calculationPeriodDatesReference   | InterestLegResetDates                | fpml-eq-shared-4-4.xsd      |
| calculationPeriodDatesReference   | NotionalStepRule                     | fpml-ird-4-4.xsd            |
| calculationPeriodDatesReference   | NotionalStepRule                     | fpml-ird-4-4.xsd            |
| calculationPeriodDatesReference   | PaymentDates                         | fpml-ird-4-4.xsd            |
| calculationPeriodDatesReference   | PaymentDates                         | fpml-ird-4-4.xsd            |
| calculationPeriodDatesReference   | ResetDates                           | fpml-ird-4-4.xsd            |
| calculationPeriodDatesReference   | ResetDates                           | fpml-ird-4-4.xsd            |
| calculationPeriodDatesReference   | StubCalculationPeriodAmount          | fpml-ird-4-4.xsd            |



|                                      |                                  |  |
|--------------------------------------|----------------------------------|--|
| calculationPeriodDatesReference      | StubCalculationPeriodAmount      | fpml-ird-4-4.xsd                       |
| calculationPeriodFrequency           | CalculationPeriodDates           | fpml-ird-4-4.xsd                       |
| calculationPeriodFrequency           | FxAverageRateObservationSchedule | fpml-fx-4-4.xsd                        |
| calculationPeriodFrequency           | PeriodicDates                    | fpml-shared-4-4.xsd                    |
| calculationPeriodNumberOfDays        | CalculationPeriod                | fpml-ird-4-4.xsd                       |
| calculationPeriodNumberOfDays        | CalculationPeriod                | fpml-ird-4-4.xsd                       |
| calculationPeriodNumberOfDays        | Fra                              | fpml-ird-4-4.xsd                       |
| calculationPeriodNumberOfDays        | Fra                              | fpml-ird-4-4.xsd                       |
| calculationStartDate                 | PeriodicDates                    | fpml-shared-4-4.xsd                    |
| cancelableProvisionAdjustedDates     | CancelableProvision              | fpml-ird-4-4.xsd                       |
| capRateSchedule                      | FloatingRate                     | fpml-shared-4-4.xsd                    |
| cashSettlementBusinessDays           | CashSettlementTerms              | fpml-cd-4-4.xsd                        |
| cashSettlementPaymentDate            | CashSettlement                   | fpml-ird-4-4.xsd                       |
| cashSettlementPaymentDate            | DeprecatedVarianceAmount         | fpml-eq-shared-4-4.xsd                 |
| cashSettlementValuationDate          | CashSettlement                   | fpml-ird-4-4.xsd                       |
| cashSettlementValuationTime          | CashSettlement                   | fpml-ird-4-4.xsd                       |
| commencementDate                     | AmericanExercise                 | fpml-shared-4-4.xsd                    |
| commencementDate                     | SharedAmericanExercise           | fpml-shared-4-4.xsd                    |
| constantNotionalScheduleReference    | FxLinkedNotionalSchedule         | fpml-ird-4-4.xsd                       |
| contractDate                         | ContractHeader                   | fpml-doc-4-4.xsd                       |
| creationTimestamp                    | NotificationMessageHeader        | fpml-msg-4-4.xsd                       |
| creationTimestamp                    | RequestMessageHeader             | fpml-msg-4-4.xsd                       |
| creationTimestamp                    | ResponseMessageHeader            | fpml-msg-4-4.xsd                       |
| creditAgreementDate                  | DealIdentifier                   | fpml-loan-4-4.xsd                      |
| creditAgreementDate                  | Loan                             | fpml-asset-4-4.xsd                     |
| creditEventDate                      | CreditEventNoticeDocument        | fpml-credit-event-notification-4-4.xsd |
| creditEventNoticeDate                | CreditEventNoticeDocument        | fpml-credit-event-notification-4-4.xsd |
| currency1ValueDate                   | FxLeg                            | fpml-fx-4-4.xsd                        |
| currency2ValueDate                   | FxLeg                            | fpml-fx-4-4.xsd                        |
| currentInterestRatePeriod            | LoanContract                     | fpml-loan-4-4.xsd                      |
| date                                 | ChangeContract                   | fpml-doc-4-4.xsd                       |
| date                                 | CreditSupportAgreement           | fpml-shared-4-4.xsd                    |
| date                                 | DateList                         | fpml-shared-4-4.xsd                    |
| date                                 | TimeDimension                    | fpml-riskdef-4-4.xsd                   |
| dateAdjustments                      | AdjustableDate                   | fpml-shared-4-4.xsd                    |
| dateAdjustments                      | AdjustableDate2                  | fpml-shared-4-4.xsd                    |
| dateAdjustments                      | AdjustableDates                  | fpml-shared-4-4.xsd                    |
| dateAdjustments                      | DividendPeriod                   | fpml-eq-shared-4-4.xsd                 |
| dateAdjustments                      | GeneralTerms                     | fpml-cd-4-4.xsd                        |
| dateAdjustmentsReference             | AdjustableDate2                  | fpml-shared-4-4.xsd                    |
| dateOffset                           | RelativeDateSequence             | fpml-shared-4-4.xsd                    |
| dateOffset                           | RelativeDateSequence             | fpml-shared-4-4.xsd                    |
| dateRelativeTo                       | RelativeDateOffset               | fpml-shared-4-4.xsd                    |
| dateRelativeTo                       | RelativeDateSequence             | fpml-shared-4-4.xsd                    |
| dateRelativeTo                       | StartingDate                     | fpml-eq-shared-4-4.xsd                 |
| dateRelativeToCalculationPeriodDates | FxFixingDate                     | fpml-ird-4-4.xsd                       |
| dateRelativeToCalculationPeriodDates | FxFixingDate                     | fpml-ird-4-4.xsd                       |
| dateRelativeToPaymentDates           | FxFixingDate                     | fpml-ird-4-4.xsd                       |
| dateTime                             | DateTimeList                     | fpml-shared-4-4.xsd                    |
| dateTime                             | DateTimeList                     | fpml-shared-4-4.xsd                    |
| dayCountFraction                     | Bond                             | fpml-asset-4-4.xsd                     |
| dayCountFraction                     | Calculation                      | fpml-ird-4-4.xsd                       |
| dayCountFraction                     | CashflowCalculationPeriod        | fpml-reconciliation-4-4.xsd            |
| dayCountFraction                     | Deposit                          | fpml-asset-4-4.xsd                     |
| dayCountFraction                     | FixedAmountCalculation           | fpml-cd-4-4.xsd                        |
| dayCountFraction                     | Fra                              | fpml-ird-4-4.xsd                       |
| dayCountFraction                     | InterestCalculation              | fpml-eq-shared-4-4.xsd                 |

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| dayCountFraction             | Mortgage                          | fpml-asset-4-4.xsd          |
| dayCountFraction             | RateIndex                         | fpml-asset-4-4.xsd          |
| dayCountFraction             | SimpleFra                         | fpml-asset-4-4.xsd          |
| dayCountFraction             | SimpleIRSwap                      | fpml-asset-4-4.xsd          |
| dayCountFraction             | TermDeposit                       | fpml-fx-4-4.xsd             |
| dayCountYearFraction         | CalculationPeriod                 | fpml-ird-4-4.xsd            |
| dayCountYearFraction         | CashflowCalculationPeriod         | fpml-reconciliation-4-4.xsd |
| dayOfWeek                    | AveragingSchedule                 | fpml-option-shared-4-4.xsd  |
| dayOfWeek                    | AveragingSchedule                 | fpml-option-shared-4-4.xsd  |
| daysInRangeAdjustment        | BoundedVariance                   | fpml-eq-shared-4-4.xsd      |
| dayType                      | Offset                            | fpml-shared-4-4.xsd         |
| discountRateDayCountFraction | Discounting                       | fpml-ird-4-4.xsd            |
| dividendDateReference        | DividendPaymentDate               | fpml-shared-4-4.xsd         |
| dividendFxTriggerDate        | DividendConditions                | fpml-shared-4-4.xsd         |
| dividendPaymentDate          | DividendConditions                | fpml-shared-4-4.xsd         |
| dividendPeriod               | DividendAdjustment                | fpml-eq-shared-4-4.xsd      |
| dividendPeriod               | DividendConditions                | fpml-shared-4-4.xsd         |
| dividendPeriod               | DividendLeg                       | fpml-dividend-swaps-4-4.xsd |
| dividendPeriodEffectiveDate  | DividendConditions                | fpml-shared-4-4.xsd         |
| dividendPeriodEffectiveDate  | DividendConditions                | fpml-shared-4-4.xsd         |
| dividendPeriodEndDate        | DividendConditions                | fpml-shared-4-4.xsd         |
| dividendPeriodEndDate        | DividendConditions                | fpml-shared-4-4.xsd         |
| earliestExerciseDateTenor    | ExercisePeriod                    | fpml-ird-4-4.xsd            |
| earliestExerciseTime         | AmericanExercise                  | fpml-shared-4-4.xsd         |
| earliestExerciseTime         | BermudaExercise                   | fpml-shared-4-4.xsd         |
| earliestExerciseTime         | EuropeanExercise                  | fpml-shared-4-4.xsd         |
| earlyCallDate                | MakeWholeAmount                   | fpml-bond-option-4-4.xsd    |
| effectiveDate                | AssetPool                         | fpml-asset-4-4.xsd          |
| effectiveDate                | CalculationPeriodDates            | fpml-ird-4-4.xsd            |
| effectiveDate                | ChangeContract                    | fpml-doc-4-4.xsd            |
| effectiveDate                | DeprecatedEquityLeg               | fpml-return-swaps-4-4.xsd   |
| effectiveDate                | DirectionalLeg                    | fpml-eq-shared-4-4.xsd      |
| effectiveDate                | GeneralTerms                      | fpml-cd-4-4.xsd             |
| effectiveDate                | InterestLegCalculationPeriodDates | fpml-eq-shared-4-4.xsd      |
| effectiveDate                | LoanContract                      | fpml-loan-4-4.xsd           |
| effectiveDate                | OneOffFeePayment                  | fpml-loan-4-4.xsd           |
| effectiveDate                | ReturnSwapLegUnderlyer            | fpml-eq-shared-4-4.xsd      |
| effectiveDate                | TradeDetails                      | fpml-reconciliation-4-4.xsd |
| effectiveDate                | VersionedContractId               | fpml-doc-4-4.xsd            |
| effectiveDate                | VersionedTradeId                  | fpml-doc-4-4.xsd            |
| endDate                      | AveragingSchedule                 | fpml-option-shared-4-4.xsd  |
| endDate                      | FeeAccrualPeriod                  | fpml-loan-4-4.xsd           |
| endDate                      | FxTermsSchedule                   | fpml-loan-4-4.xsd           |
| endDate                      | InterestAccrualPeriod             | fpml-loan-4-4.xsd           |
| endDate                      | InterestRatePeriod                | fpml-loan-4-4.xsd           |
| endDate                      | LenderLoanContractPeriod          | fpml-loan-4-4.xsd           |
| endDate                      | LenderPositionPeriod              | fpml-loan-4-4.xsd           |
| endDate                      | OnGoingFeePayment                 | fpml-loan-4-4.xsd           |
| endDate                      | PikPeriod                         | fpml-loan-4-4.xsd           |
| endDate                      | PricingStructureValuation         | fpml-riskdef-4-4.xsd        |
| endDate                      | RatePeriod                        | fpml-loan-4-4.xsd           |
| equityEffectiveDate          | EquityDerivativeBase              | fpml-eqd-4-4.xsd            |
| equityExpirationTime         | EquityAmericanExercise            | fpml-eqd-4-4.xsd            |
| equityExpirationTime         | EquityBermudaExercise             | fpml-eqd-4-4.xsd            |
| equityExpirationTime         | EquityEuropeanExercise            | fpml-eqd-4-4.xsd            |
| equityExpirationTimeType     | EquityAmericanExercise            | fpml-eqd-4-4.xsd            |
| equityExpirationTimeType     | EquityBermudaExercise             | fpml-eqd-4-4.xsd            |

|                                      |                              |                            |
|--------------------------------------|------------------------------|----------------------------|
| equityExpirationTimeType             | EquityEuropeanExercise       | fpml-eqd-4-4.xsd           |
| equityPaymentDateFinal               | DeprecatedEquityPaymentDates | fpml-return-swaps-4-4.xsd  |
| equityPaymentDates                   | DeprecatedEquityLegValuation | fpml-return-swaps-4-4.xsd  |
| equityPaymentDatesInterim            | DeprecatedEquityPaymentDates | fpml-return-swaps-4-4.xsd  |
| executionDateTime                    | PartyTradeInformation        | fpml-doc-4-4.xsd           |
| executionDateTime                    | PartyTradeInformation        | fpml-doc-4-4.xsd           |
| exerciseFeeSchedule                  | AmericanExercise             | fpml-shared-4-4.xsd        |
| exerciseFeeSchedule                  | BermudaExercise              | fpml-shared-4-4.xsd        |
| expirationDate                       | AmericanExercise             | fpml-shared-4-4.xsd        |
| expirationDate                       | EquityEuropeanExercise       | fpml-eqd-4-4.xsd           |
| expirationDate                       | EuropeanExercise             | fpml-shared-4-4.xsd        |
| expirationDate                       | ExchangeTradedContract       | fpml-asset-4-4.xsd         |
| expirationDate                       | SharedAmericanExercise       | fpml-shared-4-4.xsd        |
| expirationDateTwo                    | CalendarSpread               | fpml-option-shared-4-4.xsd |
| expirationTime                       | AmericanExercise             | fpml-shared-4-4.xsd        |
| expirationTime                       | BermudaExercise              | fpml-shared-4-4.xsd        |
| expirationTime                       | EuropeanExercise             | fpml-shared-4-4.xsd        |
| expiryDate                           | ExpiryDateTime               | fpml-fx-4-4.xsd            |
| expiryDateTime                       | FxAverageRateOption          | fpml-fx-4-4.xsd            |
| expiryDateTime                       | FxAverageRateOption          | fpml-fx-4-4.xsd            |
| expiryDateTime                       | FxDigitalOption              | fpml-fx-4-4.xsd            |
| expiryDateTime                       | FxDigitalOption              | fpml-fx-4-4.xsd            |
| expiryDateTime                       | FxOptionLeg                  | fpml-fx-4-4.xsd            |
| expiryDateTime                       | FxOptionLeg                  | fpml-fx-4-4.xsd            |
| expiryTime                           | BasicQuotation               | fpml-asset-4-4.xsd         |
| expiryTime                           | ExpiryDateTime               | fpml-fx-4-4.xsd            |
| expiryTime                           | MultiDimensionalPricingData  | fpml-mktenv-4-4.xsd        |
| expiryTime                           | PricingStructurePoint        | fpml-mktenv-4-4.xsd        |
| expiryTime                           | Quotation                    | fpml-valuation-4-4.xsd     |
| expiryTime                           | QuotationCharacteristics     | fpml-asset-4-4.xsd         |
| expiryTimestamp                      | NotificationMessageHeader    | fpml-msg-4-4.xsd           |
| expiryTimestamp                      | RequestMessageHeader         | fpml-msg-4-4.xsd           |
| expiryTimestamp                      | ResponseMessageHeader        | fpml-msg-4-4.xsd           |
| extendibleProvisionAdjustedDates     | ExtendibleProvision          | fpml-ird-4-4.xsd           |
| featurePaymentDate                   | FeaturePayment               | fpml-option-shared-4-4.xsd |
| feeAccrualPeriod                     | FeeAccrualSchedule           | fpml-loan-4-4.xsd          |
| feeAccrualSchedule                   | OnGoingFeeNotice             | fpml-loan-4-4.xsd          |
| feeAmountSchedule                    | ExerciseFeeSchedule          | fpml-shared-4-4.xsd        |
| feeDayBasis                          | OnGoingFeePayment            | fpml-loan-4-4.xsd          |
| feePaymentDate                       | ExerciseFee                  | fpml-shared-4-4.xsd        |
| feePaymentDate                       | ExerciseFeeSchedule          | fpml-shared-4-4.xsd        |
| feeRatePeriod                        | FeeAccrualSchedule           | fpml-loan-4-4.xsd          |
| feeRateSchedule                      | ExerciseFeeSchedule          | fpml-shared-4-4.xsd        |
| finalCalculationPeriodDateAdjustment | CancelableProvision          | fpml-ird-4-4.xsd           |
| finalCalculationPeriodDateAdjustment | CancelableProvision          | fpml-ird-4-4.xsd           |
| firstCompoundingPeriodEndDate        | CalculationPeriodDates       | fpml-ird-4-4.xsd           |
| firstCompoundingPeriodEndDate        | CalculationPeriodDates       | fpml-ird-4-4.xsd           |
| firstNotionalStepDate                | NotionalStepRule             | fpml-ird-4-4.xsd           |
| firstNotionalStepDate                | NotionalStepRule             | fpml-ird-4-4.xsd           |
| firstPaymentDate                     | PaymentDates                 | fpml-ird-4-4.xsd           |
| firstPaymentDate                     | PeriodicPayment              | fpml-cd-4-4.xsd            |
| firstPeriodStartDate                 | CalculationPeriodDates       | fpml-ird-4-4.xsd           |
| firstPeriodStartDate                 | CalculationPeriodDates       | fpml-ird-4-4.xsd           |
| firstPeriodStartDate                 | ContractNovation             | fpml-doc-4-4.xsd           |
| firstPeriodStartDate                 | ContractNovation             | fpml-doc-4-4.xsd           |
| firstPeriodStartDate                 | Novation                     | fpml-posttrade-4-4.xsd     |
| firstPeriodStartDate                 | Novation                     | fpml-posttrade-4-4.xsd     |

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| firstPeriodStartDate                   | PeriodicPayment                   | fpml-cd-4-4.xsd             |
| firstPeriodStartDate                   | PeriodicPayment                   | fpml-cd-4-4.xsd             |
| firstRegularPeriodStartDate            | CalculationPeriodDates            | fpml-ird-4-4.xsd            |
| firstRegularPeriodStartDate            | CalculationPeriodDates            | fpml-ird-4-4.xsd            |
| fixedRateSchedule                      | Calculation                       | fpml-ird-4-4.xsd            |
| fixedRateStepReference                 | CashflowCalculationPeriod         | fpml-reconciliation-4-4.xsd |
| fixingDate                             | FxFixing                          | fpml-shared-4-4.xsd         |
| fixingDate                             | FxTerms                           | fpml-loan-4-4.xsd           |
| fixingDateOffset                       | Fra                               | fpml-ird-4-4.xsd            |
| fixingDateOffset                       | Fra                               | fpml-ird-4-4.xsd            |
| fixingDates                            | InterestLegResetDates             | fpml-eq-shared-4-4.xsd      |
| fixingDates                            | ResetDates                        | fpml-ird-4-4.xsd            |
| fixingTime                             | FxAverageRateOption               | fpml-fx-4-4.xsd             |
| fixingTime                             | FxSpotRateSource                  | fpml-shared-4-4.xsd         |
| floatingRateMultiplierSchedule         | FloatingRate                      | fpml-shared-4-4.xsd         |
| floorRateSchedule                      | FloatingRate                      | fpml-shared-4-4.xsd         |
| fullFirstCalculationPeriod             | ContractNovation                  | fpml-doc-4-4.xsd            |
| fullFirstCalculationPeriod             | Novation                          | fpml-posttrade-4-4.xsd      |
| fxFixingDate                           | NonDeliverableSettlement          | fpml-ird-4-4.xsd            |
| fxLinkedNotionalSchedule               | Calculation                       | fpml-ird-4-4.xsd            |
| fxTermsSchedule                        | LoanContract                      | fpml-loan-4-4.xsd           |
| gracePeriod                            | GracePeriodExtension              | fpml-option-shared-4-4.xsd  |
| gracePeriodExtension                   | FailureToPay                      | fpml-option-shared-4-4.xsd  |
| hourMinuteTime                         | BusinessCenterTime                | fpml-shared-4-4.xsd         |
| increaseEffectiveDate                  | Increase                          | fpml-doc-4-4.xsd            |
| increaseTradeDate                      | Increase                          | fpml-doc-4-4.xsd            |
| indexAnnexDate                         | IndexReferenceInformation         | fpml-cd-4-4.xsd             |
| initialFixingDate                      | InterestLegResetDates             | fpml-eq-shared-4-4.xsd      |
| initialFixingDate                      | ResetDates                        | fpml-ird-4-4.xsd            |
| inputDataDate                          | PricingStructureValuation         | fpml-riskdef-4-4.xsd        |
| inputDateReference                     | PricingParameterDerivative        | fpml-riskdef-4-4.xsd        |
| interestAccrualPeriod                  | InterestAccrualSchedule           | fpml-loan-4-4.xsd           |
| interestAccrualSchedule                | InterestPaymentNotice             | fpml-loan-4-4.xsd           |
| interestDayBasis                       | InterestRatePeriod                | fpml-loan-4-4.xsd           |
| interestLegCalculationPeriodDates      | InterestLeg                       | fpml-eq-shared-4-4.xsd      |
| interestLegCalculationPeriodDates      | InterestLeg                       | fpml-eq-shared-4-4.xsd      |
| interestLegPaymentDates                | InterestLegCalculationPeriodDates | fpml-eq-shared-4-4.xsd      |
| interestLegResetDates                  | InterestLegCalculationPeriodDates | fpml-eq-shared-4-4.xsd      |
| interestRatePeriod                     | InterestAccrualSchedule           | fpml-loan-4-4.xsd           |
| knownAmountSchedule                    | CalculationPeriodAmount           | fpml-ird-4-4.xsd            |
| lastNotionalStepDate                   | NotionalStepRule                  | fpml-ird-4-4.xsd            |
| lastNotionalStepDate                   | NotionalStepRule                  | fpml-ird-4-4.xsd            |
| lastRegularPaymentDate                 | PaymentDates                      | fpml-ird-4-4.xsd            |
| lastRegularPaymentDate                 | PeriodicPayment                   | fpml-cd-4-4.xsd             |
| lastRegularPeriodEndDate               | CalculationPeriodDates            | fpml-ird-4-4.xsd            |
| lastRegularPeriodEndDate               | CalculationPeriodDates            | fpml-ird-4-4.xsd            |
| latestExerciseTime                     | AmericanExercise                  | fpml-shared-4-4.xsd         |
| latestExerciseTime                     | BermudaExercise                   | fpml-shared-4-4.xsd         |
| latestExerciseTime                     | SharedAmericanExercise            | fpml-shared-4-4.xsd         |
| latestExerciseTimeType                 | EquityAmericanExercise            | fpml-eqd-4-4.xsd            |
| latestExerciseTimeType                 | EquityBermudaExercise             | fpml-eqd-4-4.xsd            |
| lenderCommitmentPeriod                 | FeeAccrualSchedule                | fpml-loan-4-4.xsd           |
| lenderLoanContractPeriod               | InterestAccrualSchedule           | fpml-loan-4-4.xsd           |
| lenderUnutilizedPeriod                 | FeeAccrualSchedule                | fpml-loan-4-4.xsd           |
| lenderUtilizationPeriod                | FeeAccrualSchedule                | fpml-loan-4-4.xsd           |
| makeWholeDate                          | MakeWholeProvisions               | fpml-eq-shared-4-4.xsd      |
| mandatoryEarlyTerminationAdjustedDates | MandatoryEarlyTermination         | fpml-ird-4-4.xsd            |

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| mandatoryEarlyTerminationDate         | MandatoryEarlyTermination        | fpml-ird-4-4.xsd            |
| mandatoryEarlyTerminationDateTenor    | EarlyTerminationProvision        | fpml-ird-4-4.xsd            |
| masterAgreementDate                   | MasterAgreement                  | fpml-shared-4-4.xsd         |
| masterConfirmationAnnexDate           | MasterConfirmation               | fpml-shared-4-4.xsd         |
| masterConfirmationDate                | Allocation                       | fpml-doc-4-4.xsd            |
| masterConfirmationDate                | MasterConfirmation               | fpml-shared-4-4.xsd         |
| maturityDate                          | LoanContractIdentifier           | fpml-loan-4-4.xsd           |
| maturityDate                          | TermDeposit                      | fpml-fx-4-4.xsd             |
| maximumBusinessDays                   | PhysicalSettlementPeriod         | fpml-cd-4-4.xsd             |
| maximumDaysOfPostponement             | ValuationPostponement            | fpml-ird-4-4.xsd            |
| multipleValuationDates                | ValuationDate                    | fpml-cd-4-4.xsd             |
| nextInterestPaymentDate               | LoanContract                     | fpml-loan-4-4.xsd           |
| noticeDate                            | FacilityNotice                   | fpml-loan-4-4.xsd           |
| noticeDate                            | LoanContractNotice               | fpml-loan-4-4.xsd           |
| notionalSchedule                      | Calculation                      | fpml-ird-4-4.xsd            |
| notionalStepAmount                    | NotionalStepRule                 | fpml-ird-4-4.xsd            |
| notionalStepParameters                | Notional                         | fpml-ird-4-4.xsd            |
| notionalStepRate                      | NotionalStepRule                 | fpml-ird-4-4.xsd            |
| notionalStepSchedule                  | Notional                         | fpml-ird-4-4.xsd            |
| notionalStepSchedule                  | Notional                         | fpml-ird-4-4.xsd            |
| novationContractDate                  | ContractNovation                 | fpml-doc-4-4.xsd            |
| novationDate                          | ContractNovation                 | fpml-doc-4-4.xsd            |
| novationDate                          | Novation                         | fpml-posttrade-4-4.xsd      |
| novationTradeDate                     | Novation                         | fpml-posttrade-4-4.xsd      |
| numberOfDays                          | CashflowCalculationPeriod        | fpml-reconciliation-4-4.xsd |
| numberValuationDates                  | MultipleValuationDates           | fpml-cd-4-4.xsd             |
| observationDate                       | CashflowObservation              | fpml-reconciliation-4-4.xsd |
| observationDate                       | FxAverageRateObservationDate     | fpml-fx-4-4.xsd             |
| observationDate                       | ObservedRates                    | fpml-fx-4-4.xsd             |
| observationEndDate                    | FxAmericanTrigger                | fpml-fx-4-4.xsd             |
| observationEndDate                    | FxAverageRateObservationSchedule | fpml-fx-4-4.xsd             |
| observationEndDate                    | FxBarrier                        | fpml-fx-4-4.xsd             |
| observationStartDate                  | CalculatedAmount                 | fpml-eq-shared-4-4.xsd      |
| observationStartDate                  | DeprecatedVarianceAmount         | fpml-eq-shared-4-4.xsd      |
| observationStartDate                  | FxAmericanTrigger                | fpml-fx-4-4.xsd             |
| observationStartDate                  | FxAverageRateObservationSchedule | fpml-fx-4-4.xsd             |
| observationStartDate                  | FxBarrier                        | fpml-fx-4-4.xsd             |
| optionalEarlyTerminationAdjustedDates | OptionalEarlyTermination         | fpml-ird-4-4.xsd            |
| paymentCalculationPeriod              | Cashflows                        | fpml-ird-4-4.xsd            |
| paymentDate                           | DividendPeriodPayment            | fpml-dividend-swaps-4-4.xsd |
| paymentDate                           | DrawdownPayment                  | fpml-loan-4-4.xsd           |
| paymentDate                           | EquityPremium                    | fpml-eq-shared-4-4.xsd      |
| paymentDate                           | FixedPaymentAmount               | fpml-dividend-swaps-4-4.xsd |
| paymentDate                           | Fra                              | fpml-ird-4-4.xsd            |
| paymentDate                           | InterestPayment                  | fpml-loan-4-4.xsd           |
| paymentDate                           | OneOffFeePayment                 | fpml-loan-4-4.xsd           |
| paymentDate                           | OnGoingFeePayment                | fpml-loan-4-4.xsd           |
| paymentDate                           | Payment                          | fpml-shared-4-4.xsd         |
| paymentDate                           | PaymentBase                      | fpml-shared-4-4.xsd         |
| paymentDate                           | PaymentDetail                    | fpml-doc-4-4.xsd            |
| paymentDate                           | PendingPayment                   | fpml-asset-4-4.xsd          |
| paymentDate                           | QuotablePayment                  | fpml-pretrade-4-4.xsd       |
| paymentDate                           | SimplePayment                    | fpml-shared-4-4.xsd         |
| paymentDateFinal                      | ReturnSwapPaymentDates           | fpml-eq-shared-4-4.xsd      |
| paymentDateOffset                     | DividendPaymentDate              | fpml-shared-4-4.xsd         |
| paymentDateOffset                     | DividendPaymentDate              | fpml-shared-4-4.xsd         |
| paymentDates                          | InterestRateStream               | fpml-ird-4-4.xsd            |

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| paymentDates                    | ReturnLegValuation                   | fpml-eq-shared-4-4.xsd      |
| paymentDatesAdjustments         | PaymentDates                         | fpml-ird-4-4.xsd            |
| paymentDatesInterim             | ReturnSwapPaymentDates               | fpml-eq-shared-4-4.xsd      |
| paymentDatesReference           | DateRelativeToPaymentDates           | fpml-ird-4-4.xsd            |
| paymentDaysOffset               | PaymentDates                         | fpml-ird-4-4.xsd            |
| paymentDaysOffset               | PaymentDates                         | fpml-ird-4-4.xsd            |
| period                          | Interval                             | fpml-shared-4-4.xsd         |
| periodicDates                   | AdjustableRelativeOrPeriodicDates    | fpml-shared-4-4.xsd         |
| periodicDates                   | AdjustableRelativeOrPeriodicDates    | fpml-shared-4-4.xsd         |
| periodicDates                   | AdjustableRelativeOrPeriodicDates2   | fpml-shared-4-4.xsd         |
| periodicDates                   | AdjustableRelativeOrPeriodicDates2   | fpml-shared-4-4.xsd         |
| periodicPayment                 | FeeLeg                               | fpml-cd-4-4.xsd             |
| periodMultiplier                | Interval                             | fpml-shared-4-4.xsd         |
| periodSkip                      | RelativeDates                        | fpml-shared-4-4.xsd         |
| physicalSettlementPeriod        | PhysicalSettlementTerms              | fpml-cd-4-4.xsd             |
| pikPeriod                       | InterestAccrualSchedule              | fpml-loan-4-4.xsd           |
| premiumSettlementDate           | FxOptionPremium                      | fpml-fx-4-4.xsd             |
| prePaymentDate                  | PrePayment                           | fpml-eqd-4-4.xsd            |
| principalExchangeDate           | PrincipalExchangeDescriptions        | fpml-eq-shared-4-4.xsd      |
| publicationDate                 | ContractualMatrix                    | fpml-shared-4-4.xsd         |
| publicationDate                 | ContractualTermsSupplement           | fpml-shared-4-4.xsd         |
| publicationDate                 | SettledEntityMatrix                  | fpml-cd-4-4.xsd             |
| rateCutOffDaysOffset            | ResetDates                           | fpml-ird-4-4.xsd            |
| rateCutOffDaysOffset            | ResetDates                           | fpml-ird-4-4.xsd            |
| rateFixingDate                  | InterestRatePeriod                   | fpml-loan-4-4.xsd           |
| redemptionDate                  | ConvertibleBond                      | fpml-asset-4-4.xsd          |
| relativeDate                    | AdjustableDatesOrRelativeDateOffset  | fpml-shared-4-4.xsd         |
| relativeDate                    | AdjustableOrRelativeDate             | fpml-shared-4-4.xsd         |
| relativeDate                    | CashSettlementPaymentDate            | fpml-ird-4-4.xsd            |
| relativeDate                    | Composite                            | fpml-option-shared-4-4.xsd  |
| relativeDate                    | ScheduledTerminationDate             | fpml-cd-4-4.xsd             |
| relativeDateAdjustments         | AdjustedRelativeDateOffset           | fpml-shared-4-4.xsd         |
| relativeDates                   | AdjustableOrRelativeDates            | fpml-shared-4-4.xsd         |
| relativeDates                   | AdjustableRelativeOrPeriodicDates2   | fpml-shared-4-4.xsd         |
| relativeDateSequence            | AdjustableDateOrRelativeDateSequence | fpml-eq-shared-4-4.xsd      |
| relativeDateSequence            | AdjustableRelativeOrPeriodicDates    | fpml-shared-4-4.xsd         |
| relativeEffectiveDate           | CalculationPeriodDates               | fpml-ird-4-4.xsd            |
| relativeTerminationDate         | CalculationPeriodDates               | fpml-ird-4-4.xsd            |
| relevantUnderlyingDate          | AmericanExercise                     | fpml-shared-4-4.xsd         |
| relevantUnderlyingDate          | BermudaExercise                      | fpml-shared-4-4.xsd         |
| relevantUnderlyingDate          | EuropeanExercise                     | fpml-shared-4-4.xsd         |
| relevantUnderlyingDateReference | FinalCalculationPeriodDateAdjustment | fpml-ird-4-4.xsd            |
| repaymentDate                   | FacilityRepayment                    | fpml-loan-4-4.xsd           |
| resetDate                       | FxLinkedNotionalAmount               | fpml-ird-4-4.xsd            |
| resetDate                       | RateObservation                      | fpml-shared-4-4.xsd         |
| resetDates                      | InterestRateStream                   | fpml-ird-4-4.xsd            |
| resetDatesAdjustments           | ResetDates                           | fpml-ird-4-4.xsd            |
| resetDatesReference             | PaymentDates                         | fpml-ird-4-4.xsd            |
| schedule                        | AveragingPeriod                      | fpml-option-shared-4-4.xsd  |
| schedule                        | TriggerEvent                         | fpml-option-shared-4-4.xsd  |
| scheduleBounds                  | RelativeDates                        | fpml-shared-4-4.xsd         |
| scheduledDate                   | AssertedPosition                     | fpml-reconciliation-4-4.xsd |
| scheduledDate                   | AssertedPosition                     | fpml-reconciliation-4-4.xsd |
| scheduledDate                   | Position                             | fpml-valuation-4-4.xsd      |
| scheduledDate                   | Position                             | fpml-valuation-4-4.xsd      |
| scheduledDate                   | PositionProposedMatch                | fpml-reconciliation-4-4.xsd |
| scheduledDate                   | PositionProposedMatch                | fpml-reconciliation-4-4.xsd |

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| scheduledDate                 | ScheduledDates                    | fpml-valuation-4-4.xsd      |
| scheduledDate                 | ScheduledDates                    | fpml-valuation-4-4.xsd      |
| scheduledTerminationDate      | GeneralTerms                      | fpml-cd-4-4.xsd             |
| scheduledTerminationDate      | GeneralTerms                      | fpml-cd-4-4.xsd             |
| settlementAmountPaymentDate   | EquityOptionTermination           | fpml-eqd-4-4.xsd            |
| settlementDate                | DirectionalLegUnderlyer           | fpml-eq-shared-4-4.xsd      |
| settlementDate                | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd            |
| settlementDate                | OptionBaseExtended                | fpml-option-shared-4-4.xsd  |
| settlementMethodElectionDate  | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd            |
| singleValuationDate           | ValuationDate                     | fpml-cd-4-4.xsd             |
| sixtyBusinessDaySettlementCap | PhysicalSettlementTerms           | fpml-cd-4-4.xsd             |
| spotDate                      | PricingStructureValuation         | fpml-riskdef-4-4.xsd        |
| spreadSchedule                | FloatingRate                      | fpml-shared-4-4.xsd         |
| startDate                     | AveragingSchedule                 | fpml-option-shared-4-4.xsd  |
| startDate                     | FeeAccrualPeriod                  | fpml-loan-4-4.xsd           |
| startDate                     | FxTermsSchedule                   | fpml-loan-4-4.xsd           |
| startDate                     | InterestAccrualPeriod             | fpml-loan-4-4.xsd           |
| startDate                     | InterestRatePeriod                | fpml-loan-4-4.xsd           |
| startDate                     | LenderLoanContractPeriod          | fpml-loan-4-4.xsd           |
| startDate                     | LenderPositionPeriod              | fpml-loan-4-4.xsd           |
| startDate                     | OnGoingFeePayment                 | fpml-loan-4-4.xsd           |
| startDate                     | PikPeriod                         | fpml-loan-4-4.xsd           |
| startDate                     | RatePeriod                        | fpml-loan-4-4.xsd           |
| startDate                     | TermDeposit                       | fpml-fx-4-4.xsd             |
| startingDate                  | ReturnSwapEarlyTermination        | fpml-eq-shared-4-4.xsd      |
| step                          | CalculationAmount                 | fpml-cd-4-4.xsd             |
| step                          | Schedule                          | fpml-shared-4-4.xsd         |
| stepDate                      | Step                              | fpml-shared-4-4.xsd         |
| stepDate                      | Step                              | fpml-shared-4-4.xsd         |
| stepFrequency                 | NotionalStepRule                  | fpml-ird-4-4.xsd            |
| stepRelativeTo                | NotionalStepRule                  | fpml-ird-4-4.xsd            |
| stepUpProvision               | FloatingAmountProvisions          | fpml-cd-4-4.xsd             |
| stepValue                     | Step                              | fpml-shared-4-4.xsd         |
| strikeDeterminationDate       | EquityStrike                      | fpml-eq-shared-4-4.xsd      |
| stubCalculationPeriod         | InterestLeg                       | fpml-eq-shared-4-4.xsd      |
| stubCalculationPeriodAmount   | InterestRateStream                | fpml-ird-4-4.xsd            |
| stubEndDate                   | Stub                              | fpml-shared-4-4.xsd         |
| stubPeriodType                | CalculationPeriodDates            | fpml-ird-4-4.xsd            |
| stubStartDate                 | Stub                              | fpml-shared-4-4.xsd         |
| swaptionAdjustedDates         | Swaption                          | fpml-ird-4-4.xsd            |
| terminationDate               | CalculationPeriodDates            | fpml-ird-4-4.xsd            |
| terminationDate               | DeprecatedEquityLeg               | fpml-return-swaps-4-4.xsd   |
| terminationDate               | DirectionalLeg                    | fpml-eq-shared-4-4.xsd      |
| terminationDate               | InterestLegCalculationPeriodDates | fpml-eq-shared-4-4.xsd      |
| terminationDate               | ReturnSwapLegUnderlyer            | fpml-eq-shared-4-4.xsd      |
| terminationDate               | TradeDetails                      | fpml-reconciliation-4-4.xsd |
| terminationEffectiveDate      | Termination                       | fpml-posttrade-4-4.xsd      |
| terminationTradeDate          | Termination                       | fpml-posttrade-4-4.xsd      |
| time                          | BasicQuotation                    | fpml-asset-4-4.xsd          |
| time                          | FeaturePayment                    | fpml-option-shared-4-4.xsd  |
| time                          | MultiDimensionalPricingData       | fpml-mktenv-4-4.xsd         |
| time                          | PricingStructurePoint             | fpml-mktenv-4-4.xsd         |
| time                          | Quotation                         | fpml-valuation-4-4.xsd      |
| time                          | QuotationCharacteristics          | fpml-asset-4-4.xsd          |
| tradeDate                     | TradeDetails                      | fpml-reconciliation-4-4.xsd |
| tradeDate                     | TradeHeader                       | fpml-doc-4-4.xsd            |
| triggerDates                  | TriggerEvent                      | fpml-option-shared-4-4.xsd  |

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| unadjustedDate                             | AdjustableDate              | fpml-shared-4-4.xsd         |
| unadjustedDate                             | AdjustableDate2             | fpml-shared-4-4.xsd         |
| unadjustedDate                             | AdjustableDates             | fpml-shared-4-4.xsd         |
| unadjustedDate                             | ScheduledDate               | fpml-valuation-4-4.xsd      |
| unadjustedEndDate                          | CalculationPeriod           | fpml-ird-4-4.xsd            |
| unadjustedEndDate                          | DividendPeriod              | fpml-eq-shared-4-4.xsd      |
| unadjustedFirstDate                        | DateRange                   | fpml-shared-4-4.xsd         |
| unadjustedLastDate                         | DateRange                   | fpml-shared-4-4.xsd         |
| unadjustedPaymentDate                      | PaymentCalculationPeriod    | fpml-ird-4-4.xsd            |
| unadjustedPrincipalExchangeDate            | PrincipalExchange           | fpml-ird-4-4.xsd            |
| unadjustedStartDate                        | CalculationPeriod           | fpml-ird-4-4.xsd            |
| unadjustedStartDate                        | DividendPeriod              | fpml-eq-shared-4-4.xsd      |
| valuationDate                              | BasicQuotation              | fpml-asset-4-4.xsd          |
| valuationDate                              | CashSettlementTerms         | fpml-cd-4-4.xsd             |
| valuationDate                              | DerivedValuationScenario    | fpml-valuation-4-4.xsd      |
| valuationDate                              | DividendPeriodPayment       | fpml-dividend-swaps-4-4.xsd |
| valuationDate                              | EquityValuation             | fpml-eq-shared-4-4.xsd      |
| valuationDate                              | MultiDimensionalPricingData | fpml-mktenv-4-4.xsd         |
| valuationDate                              | PricingStructurePoint       | fpml-mktenv-4-4.xsd         |
| valuationDate                              | Quotation                   | fpml-valuation-4-4.xsd      |
| valuationDate                              | QuotationCharacteristics    | fpml-asset-4-4.xsd          |
| valuationDate                              | ValuationScenario           | fpml-riskdef-4-4.xsd        |
| valuationDates                             | EquityValuation             | fpml-eq-shared-4-4.xsd      |
| valuationDatesReference                    | PaymentDates                | fpml-ird-4-4.xsd            |
| valuationTime                              | CashSettlementTerms         | fpml-cd-4-4.xsd             |
| valuationTime                              | EquityValuation             | fpml-eq-shared-4-4.xsd      |
| valuationTimeType                          | EquityValuation             | fpml-eq-shared-4-4.xsd      |
| valueDate                                  | FxAverageRateOption         | fpml-fx-4-4.xsd             |
| valueDate                                  | FxDigitalOption             | fpml-fx-4-4.xsd             |
| valueDate                                  | FxLeg                       | fpml-fx-4-4.xsd             |
| valueDate                                  | FxOptionLeg                 | fpml-fx-4-4.xsd             |
| varyingNotionalFixingDates                 | FxLinkedNotionalSchedule    | fpml-ird-4-4.xsd            |
| varyingNotionalInterimExchangePaymentDates | FxLinkedNotionalSchedule    | fpml-ird-4-4.xsd            |
| weeklyRollConvention                       | ResetFrequency              | fpml-shared-4-4.xsd         |
| weekNumber                                 | AveragingSchedule           | fpml-option-shared-4-4.xsd  |



### 3.3 Dates and Times - Complex Types

| Component                            | Contained In | File                        |
|--------------------------------------|--------------|-----------------------------|
| AdjustableDate                       |              | fpml-shared-4-4.xsd         |
| AdjustableDate2                      |              | fpml-shared-4-4.xsd         |
| AdjustableDateOrRelativeDateSequence |              | fpml-eq-shared-4-4.xsd      |
| AdjustableDates                      |              | fpml-shared-4-4.xsd         |
| AdjustableDatesOrRelativeDateOffset  |              | fpml-shared-4-4.xsd         |
| AdjustableDatesOrRelativeDateOffset  |              | fpml-shared-4-4.xsd         |
| AdjustableOrRelativeAndAdjustedDate  |              | fpml-shared-4-4.xsd         |
| AdjustableOrRelativeDate             |              | fpml-shared-4-4.xsd         |
| AdjustableOrRelativeDates            |              | fpml-shared-4-4.xsd         |
| AdjustableRelativeOrPeriodicDates    |              | fpml-shared-4-4.xsd         |
| AdjustableRelativeOrPeriodicDates    |              | fpml-shared-4-4.xsd         |
| AdjustableRelativeOrPeriodicDates2   |              | fpml-shared-4-4.xsd         |
| AdjustableRelativeOrPeriodicDates2   |              | fpml-shared-4-4.xsd         |
| AdjustedPaymentDates                 |              | fpml-cd-4-4.xsd             |
| AdjustedRelativeDateOffset           |              | fpml-shared-4-4.xsd         |
| AdjustedRelativeDateOffset           |              | fpml-shared-4-4.xsd         |
| AmountSchedule                       |              | fpml-shared-4-4.xsd         |
| AveragingPeriod                      |              | fpml-option-shared-4-4.xsd  |
| AveragingSchedule                    |              | fpml-option-shared-4-4.xsd  |
| BusinessCenterTime                   |              | fpml-shared-4-4.xsd         |
| BusinessDateRange                    |              | fpml-shared-4-4.xsd         |
| BusinessDayAdjustments               |              | fpml-shared-4-4.xsd         |
| BusinessDayAdjustmentsReference      |              | fpml-shared-4-4.xsd         |
| CalculationPeriod                    |              | fpml-ird-4-4.xsd            |
| CalculationPeriodAmount              |              | fpml-ird-4-4.xsd            |
| CalculationPeriodDates               |              | fpml-ird-4-4.xsd            |
| CalculationPeriodDates               |              | fpml-ird-4-4.xsd            |
| CalculationPeriodDatesReference      |              | fpml-ird-4-4.xsd            |
| CalculationPeriodDatesReference      |              | fpml-ird-4-4.xsd            |
| CalculationPeriodFrequency           |              | fpml-shared-4-4.xsd         |
| CancelableProvisionAdjustedDates     |              | fpml-ird-4-4.xsd            |
| CashflowCalculationPeriod            |              | fpml-reconciliation-4-4.xsd |
| CashSettlementPaymentDate            |              | fpml-ird-4-4.xsd            |
| DateList                             |              | fpml-shared-4-4.xsd         |
| DateOffset                           |              | fpml-shared-4-4.xsd         |
| DateOffset                           |              | fpml-shared-4-4.xsd         |
| DateRange                            |              | fpml-shared-4-4.xsd         |
| DateReference                        |              | fpml-shared-4-4.xsd         |
| DateRelativeToCalculationPeriodDates |              | fpml-ird-4-4.xsd            |
| DateRelativeToCalculationPeriodDates |              | fpml-ird-4-4.xsd            |
| DateRelativeToPaymentDates           |              | fpml-ird-4-4.xsd            |
| DateTimeList                         |              | fpml-shared-4-4.xsd         |
| DateTimeList                         |              | fpml-shared-4-4.xsd         |
| DayCountFraction                     |              | fpml-shared-4-4.xsd         |
| DeprecatedEquityPaymentDates         |              | fpml-return-swaps-4-4.xsd   |
| DeprecatedScheduledTerminationDate   |              | fpml-cd-4-4.xsd             |
| DeprecatedScheduledTerminationDate   |              | fpml-cd-4-4.xsd             |
| DividendPaymentDate                  |              | fpml-shared-4-4.xsd         |
| DividendPeriod                       |              | fpml-eq-shared-4-4.xsd      |
| DividendPeriodDividend               |              | fpml-eq-shared-4-4.xsd      |
| DividendPeriodPayment                |              | fpml-dividend-swaps-4-4.xsd |
| ExecutionDateTime                    |              | fpml-doc-4-4.xsd            |
| ExecutionDateTime                    |              | fpml-doc-4-4.xsd            |

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|--|----------------------------|
| ExerciseFeeSchedule                        | fpml-shared-4-4.xsd        |
| ExercisePeriod                             | fpml-ird-4-4.xsd           |
| ExpiryDateTime                             | fpml-fx-4-4.xsd            |
| ExpiryDateTime                             | fpml-fx-4-4.xsd            |
| ExtendibleProvisionAdjustedDates           | fpml-ird-4-4.xsd           |
| FeeAccrualPeriod                           | fpml-loan-4-4.xsd          |
| FeeAccrualSchedule                         | fpml-loan-4-4.xsd          |
| FinalCalculationPeriodDateAdjustment       | fpml-ird-4-4.xsd           |
| FinalCalculationPeriodDateAdjustment       | fpml-ird-4-4.xsd           |
| FirstPeriodStartDate                       | fpml-doc-4-4.xsd           |
| FirstPeriodStartDate                       | fpml-doc-4-4.xsd           |
| FxAverageRateObservationDate               | fpml-fx-4-4.xsd            |
| FxAverageRateObservationSchedule           | fpml-fx-4-4.xsd            |
| FxFixingDate                               | fpml-ird-4-4.xsd           |
| FxLinkedNotionalSchedule                   | fpml-ird-4-4.xsd           |
| FxTermsSchedule                            | fpml-loan-4-4.xsd          |
| GracePeriodExtension                       | fpml-option-shared-4-4.xsd |
| IdentifiedDate                             | fpml-shared-4-4.xsd        |
| InterestAccrualPeriod                      | fpml-loan-4-4.xsd          |
| InterestAccrualSchedule                    | fpml-loan-4-4.xsd          |
| InterestLegCalculationPeriodDates          | fpml-eq-shared-4-4.xsd     |
| InterestLegCalculationPeriodDates          | fpml-eq-shared-4-4.xsd     |
| InterestLegCalculationPeriodDatesReference | fpml-eq-shared-4-4.xsd     |
| InterestLegCalculationPeriodDatesReference | fpml-eq-shared-4-4.xsd     |
| InterestLegResetDates                      | fpml-eq-shared-4-4.xsd     |
| InterestRatePeriod                         | fpml-loan-4-4.xsd          |
| Interval                                   | fpml-shared-4-4.xsd        |
| LenderLoanContractPeriod                   | fpml-loan-4-4.xsd          |
| LenderPositionPeriod                       | fpml-loan-4-4.xsd          |
| MandatoryEarlyTerminationAdjustedDates     | fpml-ird-4-4.xsd           |
| MultipleValuationDates                     | fpml-cd-4-4.xsd            |
| NotionalStepRule                           | fpml-ird-4-4.xsd           |
| Offset                                     | fpml-shared-4-4.xsd        |
| OptionalEarlyTerminationAdjustedDates      | fpml-ird-4-4.xsd           |
| PaymentCalculationPeriod                   | fpml-ird-4-4.xsd           |
| PaymentDates                               | fpml-ird-4-4.xsd           |
| PaymentDatesReference                      | fpml-ird-4-4.xsd           |
| PeriodicDates                              | fpml-shared-4-4.xsd        |
| PeriodicDates                              | fpml-shared-4-4.xsd        |
| PeriodicPayment                            | fpml-cd-4-4.xsd            |
| PhysicalSettlementPeriod                   | fpml-cd-4-4.xsd            |
| PikPeriod                                  | fpml-loan-4-4.xsd          |
| QuoteUpdated                               | fpml-pretrade-4-4.xsd      |
| RatePeriod                                 | fpml-loan-4-4.xsd          |
| RelativeDateOffset                         | fpml-shared-4-4.xsd        |
| RelativeDateOffset                         | fpml-shared-4-4.xsd        |
| RelativeDates                              | fpml-shared-4-4.xsd        |
| RelativeDateSequence                       | fpml-shared-4-4.xsd        |
| RelevantUnderlyingDateReference            | fpml-ird-4-4.xsd           |
| RequiredIdentifierDate                     | fpml-shared-4-4.xsd        |
| ResetDates                                 | fpml-ird-4-4.xsd           |
| ResetDatesReference                        | fpml-ird-4-4.xsd           |
| ReturnSwapPaymentDates                     | fpml-eq-shared-4-4.xsd     |
| Schedule                                   | fpml-shared-4-4.xsd        |
| ScheduledDate                              | fpml-valuation-4-4.xsd     |
| ScheduledDate                              | fpml-valuation-4-4.xsd     |
| ScheduledDates                             | fpml-valuation-4-4.xsd     |

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|-----------------------------|--|-----------------------------|
| ScheduledDates              |  | fpml-valuation-4-4.xsd      |
| ScheduledDateType           |  | fpml-valuation-4-4.xsd      |
| ScheduledDateType           |  | fpml-valuation-4-4.xsd      |
| ScheduledTerminationDate    |  | fpml-cd-4-4.xsd             |
| ScheduledTerminationDate    |  | fpml-cd-4-4.xsd             |
| ScheduleReference           |  | fpml-shared-4-4.xsd         |
| SingleValuationDate         |  | fpml-cd-4-4.xsd             |
| SpreadSchedule              |  | fpml-shared-4-4.xsd         |
| SpreadScheduleReference     |  | fpml-shared-4-4.xsd         |
| SpreadScheduleType          |  | fpml-shared-4-4.xsd         |
| StartingDate                |  | fpml-eq-shared-4-4.xsd      |
| Step                        |  | fpml-shared-4-4.xsd         |
| StepReference               |  | fpml-reconciliation-4-4.xsd |
| StrikeSchedule              |  | fpml-shared-4-4.xsd         |
| StubCalculationPeriod       |  | fpml-eq-shared-4-4.xsd      |
| StubCalculationPeriodAmount |  | fpml-ird-4-4.xsd            |
| SwaptionAdjustedDates       |  | fpml-ird-4-4.xsd            |
| TimeDimension               |  | fpml-riskdef-4-4.xsd        |
| ValuationDate               |  | fpml-cd-4-4.xsd             |
| ValuationDatesReference     |  | fpml-ird-4-4.xsd            |

## 4 Entities and Reference Data

### *4.1 Entities and Reference Data - Global Elements*

| Component  | Contained In | File                                   |
|------------|--------------|--|
| bankruptcy |              | fpml-credit-event-notification-4-4.xsd |

## 4.2 Entities and Reference Data - Local Elements

| Component                 | Contained In                | File                       |
|---------------------------|-----------------------------|----------------------------|
| account                   | Party                       | fpml-shared-4-4.xsd        |
| account                   | PartyRole                   | fpml-doc-4-4.xsd           |
| accountant                | TradeSide                   | fpml-doc-4-4.xsd           |
| accountBeneficiary        | Account                     | fpml-shared-4-4.xsd        |
| accountId                 | Account                     | fpml-shared-4-4.xsd        |
| accountName               | Account                     | fpml-shared-4-4.xsd        |
| accountReference          | Allocation                  | fpml-doc-4-4.xsd           |
| agentBankPartyReference   | FacilityNotice              | fpml-loan-4-4.xsd          |
| agentBankPartyReference   | FacilityNotice              | fpml-loan-4-4.xsd          |
| agentBankPartyReference   | LoanContractNotice          | fpml-loan-4-4.xsd          |
| agentBankPartyReference   | LoanContractNotice          | fpml-loan-4-4.xsd          |
| bankruptcy                | CreditEvents                | fpml-option-shared-4-4.xsd |
| baseParty                 | ReportingRoles              | fpml-valuation-4-4.xsd     |
| baseParty                 | ValuationSet                | fpml-valuation-4-4.xsd     |
| beneficiaryBank           | SettlementInstruction       | fpml-shared-4-4.xsd        |
| beneficiaryBank           | SplitSettlement             | fpml-shared-4-4.xsd        |
| beneficiaryPartyReference | Beneficiary                 | fpml-shared-4-4.xsd        |
| borrowerPartyReference    | FacilityNotice              | fpml-loan-4-4.xsd          |
| borrowerPartyReference    | LoanContract                | fpml-loan-4-4.xsd          |
| borrowerPartyReference    | LoanContractNotice          | fpml-loan-4-4.xsd          |
| brokerPartyReference      | Trade                       | fpml-doc-4-4.xsd           |
| businessCenter            | BasicQuotation              | fpml-asset-4-4.xsd         |
| businessCenter            | BusinessCenters             | fpml-shared-4-4.xsd        |
| businessCenter            | BusinessCenterTime          | fpml-shared-4-4.xsd        |
| businessCenter            | CreditEventNotice           | fpml-option-shared-4-4.xsd |
| businessCenter            | ExerciseNotice              | fpml-shared-4-4.xsd        |
| businessCenter            | MultiDimensionalPricingData | fpml-mktenv-4-4.xsd        |
| businessCenter            | PricingStructurePoint       | fpml-mktenv-4-4.xsd        |
| businessCenter            | Quotation                   | fpml-valuation-4-4.xsd     |
| businessCenter            | QuotationCharacteristics    | fpml-asset-4-4.xsd         |
| businessCenters           | BusinessDateRange           | fpml-shared-4-4.xsd        |
| businessCenters           | BusinessDayAdjustments      | fpml-shared-4-4.xsd        |
| businessCenters           | FxFixingDate                | fpml-ird-4-4.xsd           |
| businessCenters           | RelativeDateOffset          | fpml-shared-4-4.xsd        |
| businessCenters           | RelativeDateSequence        | fpml-shared-4-4.xsd        |
| businessCentersReference  | BusinessDateRange           | fpml-shared-4-4.xsd        |
| businessCentersReference  | BusinessDayAdjustments      | fpml-shared-4-4.xsd        |
| businessCentersReference  | FxFixingDate                | fpml-ird-4-4.xsd           |
| businessCentersReference  | RelativeDateOffset          | fpml-shared-4-4.xsd        |
| businessCentersReference  | RelativeDateSequence        | fpml-shared-4-4.xsd        |
| buyerPartyReference       | CancelableProvision         | fpml-ird-4-4.xsd           |
| buyerPartyReference       | EquityDerivativeBase        | fpml-eqd-4-4.xsd           |
| buyerPartyReference       | ExtendibleProvision         | fpml-ird-4-4.xsd           |
| buyerPartyReference       | Fra                         | fpml-ird-4-4.xsd           |
| buyerPartyReference       | FxAverageRateOption         | fpml-fx-4-4.xsd            |
| buyerPartyReference       | FxDigitalOption             | fpml-fx-4-4.xsd            |
| buyerPartyReference       | FxOptionLeg                 | fpml-fx-4-4.xsd            |
| buyerPartyReference       | GeneralTerms                | fpml-cd-4-4.xsd            |
| buyerPartyReference       | NotifyingParty              | fpml-option-shared-4-4.xsd |
| buyerPartyReference       | OptionBase                  | fpml-option-shared-4-4.xsd |
| buyerPartyReference       | ReturnSwapBase              | fpml-eq-shared-4-4.xsd     |
| buyerPartyReference       | SinglePartyOption           | fpml-ird-4-4.xsd           |
| buyerPartyReference       | Swaption                    | fpml-ird-4-4.xsd           |

|                                  |                             |  |
|----------------------------------|-----------------------------|--|
| calculationAgentBusinessCenter   | Contract                    | fpml-doc-4-4.xsd                       |
| calculationAgentBusinessCenter   | Trade                       | fpml-doc-4-4.xsd                       |
| calculationAgentParty            | CalculationAgent            | fpml-shared-4-4.xsd                    |
| calculationAgentPartyReference   | CalculationAgent            | fpml-shared-4-4.xsd                    |
| cashSettlementReferenceBanks     | CashPriceMethod             | fpml-ird-4-4.xsd                       |
| cashSettlementReferenceBanks     | SettlementRateSource        | fpml-shared-4-4.xsd                    |
| confirmationSenderPartyReference | FxLeg                       | fpml-fx-4-4.xsd                        |
| correspondentInformation         | SettlementInstruction       | fpml-shared-4-4.xsd                    |
| correspondentPartyReference      | CorrespondentInformation    | fpml-shared-4-4.xsd                    |
| correspondentPartyReference      | CorrespondentInformation    | fpml-shared-4-4.xsd                    |
| country                          | Address                     | fpml-shared-4-4.xsd                    |
| definingParty                    | PortfolioDefinition         | fpml-reconciliation-4-4.xsd            |
| depositoryPartyReference         | SettlementInstruction       | fpml-shared-4-4.xsd                    |
| determiningPartyReference        | AdditionalDisruptionEvents  | fpml-eq-shared-4-4.xsd                 |
| exerciseNoticePartyReference     | ExerciseNotice              | fpml-shared-4-4.xsd                    |
| fxSpotRateSource                 | Composite                   | fpml-option-shared-4-4.xsd             |
| fxSpotRateSource                 | Composite                   | fpml-option-shared-4-4.xsd             |
| fxSpotRateSource                 | FxLinkedNotionalSchedule    | fpml-ird-4-4.xsd                       |
| fxSpotRateSource                 | FxLinkedNotionalSchedule    | fpml-ird-4-4.xsd                       |
| fxSpotRateSource                 | Quanto                      | fpml-option-shared-4-4.xsd             |
| fxSpotRateSource                 | Quanto                      | fpml-option-shared-4-4.xsd             |
| indexAnnexSource                 | IndexReferenceInformation   | fpml-cd-4-4.xsd                        |
| indexAnnexSource                 | IndexReferenceInformation   | fpml-cd-4-4.xsd                        |
| indexSource                      | InflationRateCalculation    | fpml-ird-4-4.xsd                       |
| indexSource                      | InflationRateCalculation    | fpml-ird-4-4.xsd                       |
| informationSource                | BasicQuotation              | fpml-asset-4-4.xsd                     |
| informationSource                | BasicQuotation              | fpml-asset-4-4.xsd                     |
| informationSource                | FxAmericanTrigger           | fpml-fx-4-4.xsd                        |
| informationSource                | FxAmericanTrigger           | fpml-fx-4-4.xsd                        |
| informationSource                | FxBarrier                   | fpml-fx-4-4.xsd                        |
| informationSource                | FxBarrier                   | fpml-fx-4-4.xsd                        |
| informationSource                | FxEuropeanTrigger           | fpml-fx-4-4.xsd                        |
| informationSource                | FxEuropeanTrigger           | fpml-fx-4-4.xsd                        |
| informationSource                | MultiDimensionalPricingData | fpml-mktenv-4-4.xsd                    |
| informationSource                | MultiDimensionalPricingData | fpml-mktenv-4-4.xsd                    |
| informationSource                | PricingStructurePoint       | fpml-mktenv-4-4.xsd                    |
| informationSource                | PricingStructurePoint       | fpml-mktenv-4-4.xsd                    |
| informationSource                | Quotation                   | fpml-valuation-4-4.xsd                 |
| informationSource                | Quotation                   | fpml-valuation-4-4.xsd                 |
| informationSource                | QuotationCharacteristics    | fpml-asset-4-4.xsd                     |
| informationSource                | QuotationCharacteristics    | fpml-asset-4-4.xsd                     |
| informationSource                | SettlementRateSource        | fpml-shared-4-4.xsd                    |
| informationSource                | SettlementRateSource        | fpml-shared-4-4.xsd                    |
| intermediaryInformation          | SettlementInstruction       | fpml-shared-4-4.xsd                    |
| intermediaryPartyReference       | IntermediaryInformation     | fpml-shared-4-4.xsd                    |
| intermediaryPartyReference       | IntermediaryInformation     | fpml-shared-4-4.xsd                    |
| intermediarySequenceNumber       | IntermediaryInformation     | fpml-shared-4-4.xsd                    |
| issuerPartyReference             | Bond                        | fpml-asset-4-4.xsd                     |
| issuerPartyReference             | Mortgage                    | fpml-asset-4-4.xsd                     |
| lenderPartyReference             | FacilityNotice              | fpml-loan-4-4.xsd                      |
| lenderPartyReference             | LoanContractNotice          | fpml-loan-4-4.xsd                      |
| matchingParty                    | PortfolioDefinition         | fpml-reconciliation-4-4.xsd            |
| matrixSource                     | SettledEntityMatrix         | fpml-cd-4-4.xsd                        |
| matrixSource                     | SettledEntityMatrix         | fpml-cd-4-4.xsd                        |
| notifiedPartyReference           | CreditEventNoticeDocument   | fpml-credit-event-notification-4-4.xsd |
| notifyingParty                   | CreditEventNotice           | fpml-option-shared-4-4.xsd             |
| notifyingPartyReference          | CreditEventNoticeDocument   | fpml-credit-event-notification-4-4.xsd |

|                     |                                     |  |  |
|---------------------|-------------------------------------|--|--|
| otherPartyPayment   | Contract                            | fpml-doc-4-4.xsd                       |  |
| otherPartyPayment   | Trade                               | fpml-doc-4-4.xsd                       |  |
| otherRemainingParty | ContractNovation                    | fpml-doc-4-4.xsd                       |  |
| otherRemainingParty | Novation                            | fpml-posttrade-4-4.xsd                 |  |
| party               | AcceptQuote                         | fpml-pretrade-4-4.xsd                  |  |
| party               | AllocationAmended                   | fpml-allocation-4-4.xsd                |  |
| party               | AllocationCancelled                 | fpml-allocation-4-4.xsd                |  |
| party               | AllocationCreated                   | fpml-allocation-4-4.xsd                |  |
| party               | AmendmentConfirmed                  | fpml-posttrade-confirmation-4-4.xsd    |  |
| party               | CancelTradeCashflows                | fpml-reconciliation-4-4.xsd            |  |
| party               | CancelTradeConfirmation             | fpml-confirmation-4-4.xsd              |  |
| party               | CancelTradeMatch                    | fpml-tradeexec-4-4.xsd                 |  |
| party               | ConfirmationCancelled               | fpml-confirmation-4-4.xsd              |  |
| party               | ConfirmTrade                        | fpml-confirmation-4-4.xsd              |  |
| party               | ContractCreated                     | fpml-contract-notification-4-4.xsd     |  |
| party               | ContractFullTermination             | fpml-contract-notification-4-4.xsd     |  |
| party               | ContractFullTerminationCancelled    | fpml-contract-notification-4-4.xsd     |  |
| party               | ContractIncreased                   | fpml-contract-notification-4-4.xsd     |  |
| party               | ContractIncreasedCancelled          | fpml-contract-notification-4-4.xsd     |  |
| party               | ContractNovated                     | fpml-contract-notification-4-4.xsd     |  |
| party               | ContractNovatedCancelled            | fpml-contract-notification-4-4.xsd     |  |
| party               | ContractPartialTermination          | fpml-contract-notification-4-4.xsd     |  |
| party               | ContractPartialTerminationCancelled | fpml-contract-notification-4-4.xsd     |  |
| party               | ContractReferenceMessage            | fpml-contract-notification-4-4.xsd     |  |
| party               | CreditEventNotification             | fpml-credit-event-notification-4-4.xsd |  |
| party               | DataDocument                        | fpml-doc-4-4.xsd                       |  |
| party               | DrawdownNotice                      | fpml-loan-4-4.xsd                      |  |
| party               | IncreaseConfirmed                   | fpml-posttrade-confirmation-4-4.xsd    |  |
| party               | InterestPaymentNotice               | fpml-loan-4-4.xsd                      |  |
| party               | ModifyTradeConfirmation             | fpml-confirmation-4-4.xsd              |  |
| party               | ModifyTradeMatch                    | fpml-tradeexec-4-4.xsd                 |  |
| party               | NovationNotificationMessage         | fpml-posttrade-4-4.xsd                 |  |
| party               | NovationRequestMessage              | fpml-posttrade-4-4.xsd                 |  |
| party               | NovationResponseMessage             | fpml-posttrade-4-4.xsd                 |  |
| party               | OneOffFeeNotice                     | fpml-loan-4-4.xsd                      |  |
| party               | OnGoingFeeNotice                    | fpml-loan-4-4.xsd                      |  |
| party               | PartyRole                           | fpml-doc-4-4.xsd                       |  |
| party               | PositionReport                      | fpml-reporting-4-4.xsd                 |  |
| party               | PositionsAcknowledged               | fpml-reconciliation-4-4.xsd            |  |
| party               | PositionsAsserted                   | fpml-reconciliation-4-4.xsd            |  |
| party               | PositionsMatchResults               | fpml-reconciliation-4-4.xsd            |  |
| party               | Quote                               | fpml-pretrade-4-4.xsd                  |  |
| party               | QuoteAcceptanceConfirmed            | fpml-pretrade-4-4.xsd                  |  |
| party               | QuoteUpdated                        | fpml-pretrade-4-4.xsd                  |  |
| party               | RepaymentNotice                     | fpml-loan-4-4.xsd                      |  |
| party               | RequestAllocation                   | fpml-allocation-4-4.xsd                |  |
| party               | RequestAmendmentConfirmation        | fpml-posttrade-confirmation-4-4.xsd    |  |
| party               | RequestIncreaseConfirmation         | fpml-posttrade-confirmation-4-4.xsd    |  |
| party               | RequestPortfolio                    | fpml-reconciliation-4-4.xsd            |  |
| party               | RequestPositionReport               | fpml-reporting-4-4.xsd                 |  |
| party               | RequestQuote                        | fpml-pretrade-4-4.xsd                  |  |
| party               | RequestQuoteResponse                | fpml-pretrade-4-4.xsd                  |  |
| party               | RequestTerminationConfirmation      | fpml-posttrade-confirmation-4-4.xsd    |  |
| party               | RequestTradeConfirmation            | fpml-confirmation-4-4.xsd              |  |
| party               | RequestTradeMatch                   | fpml-tradeexec-4-4.xsd                 |  |
| party               | RequestTradeStatus                  | fpml-msg-4-4.xsd                       |  |
| party               | RequestValuationReport              | fpml-reporting-4-4.xsd                 |  |

|                         |                            |                                     |
|-------------------------|----------------------------|-------------------------------------|
| party                   | TerminationConfirmed       | fpml-posttrade-confirmation-4-4.xsd |
| party                   | TradeAffirmation           | fpml-confirmation-4-4.xsd           |
| party                   | TradeAffirmed              | fpml-confirmation-4-4.xsd           |
| party                   | TradeAlleged               | fpml-matching-status-4-4.xsd        |
| party                   | TradeAlreadyMatched        | fpml-tradeexec-4-4.xsd              |
| party                   | TradeAlreadySubmitted      | fpml-msg-4-4.xsd                    |
| party                   | TradeAmended               | fpml-trade-notification-4-4.xsd     |
| party                   | TradeAmendmentRequest      | fpml-posttrade-negotiation-4-4.xsd  |
| party                   | TradeAmendmentResponse     | fpml-posttrade-negotiation-4-4.xsd  |
| party                   | TradeCancelled             | fpml-trade-notification-4-4.xsd     |
| party                   | TradeCashflowsAsserted     | fpml-reconciliation-4-4.xsd         |
| party                   | TradeCashflowsMatchResult  | fpml-reconciliation-4-4.xsd         |
| party                   | TradeConfirmed             | fpml-confirmation-4-4.xsd           |
| party                   | TradeCreated               | fpml-trade-notification-4-4.xsd     |
| party                   | TradeErrorResponse         | fpml-msg-4-4.xsd                    |
| party                   | TradeExecution             | fpml-trade-notification-4-4.xsd     |
| party                   | TradeExecutionCancelled    | fpml-trade-notification-4-4.xsd     |
| party                   | TradeExecutionModified     | fpml-trade-notification-4-4.xsd     |
| party                   | TradeIncreaseRequest       | fpml-posttrade-negotiation-4-4.xsd  |
| party                   | TradeIncreaseResponse      | fpml-posttrade-negotiation-4-4.xsd  |
| party                   | TradeMatched               | fpml-matching-status-4-4.xsd        |
| party                   | TradeMismatched            | fpml-matching-status-4-4.xsd        |
| party                   | TradeNotFound              | fpml-msg-4-4.xsd                    |
| party                   | TradeStatus                | fpml-msg-4-4.xsd                    |
| party                   | TradeTerminationRequest    | fpml-posttrade-negotiation-4-4.xsd  |
| party                   | TradeTerminationResponse   | fpml-posttrade-negotiation-4-4.xsd  |
| party                   | TradeUnmatched             | fpml-matching-status-4-4.xsd        |
| party                   | ValuationReport            | fpml-reporting-4-4.xsd              |
| partyId                 | Party                      | fpml-shared-4-4.xsd                 |
| partyMessageInformation | NotificationMessageHeader  | fpml-msg-4-4.xsd                    |
| partyMessageInformation | RequestMessageHeader       | fpml-msg-4-4.xsd                    |
| partyMessageInformation | ResponseMessageHeader      | fpml-msg-4-4.xsd                    |
| partyName               | Party                      | fpml-shared-4-4.xsd                 |
| partyPortfolioName      | Portfolio                  | fpml-doc-4-4.xsd                    |
| partyReference          | Allocation                 | fpml-doc-4-4.xsd                    |
| partyReference          | ContractIdentifier         | fpml-doc-4-4.xsd                    |
| partyReference          | ContractInformation        | fpml-doc-4-4.xsd                    |
| partyReference          | ExerciseNotice             | fpml-shared-4-4.xsd                 |
| partyReference          | PartyMessageInformation    | fpml-msg-4-4.xsd                    |
| partyReference          | PartyPortfolioName         | fpml-doc-4-4.xsd                    |
| partyReference          | PartyTradeInformation      | fpml-doc-4-4.xsd                    |
| partyReference          | ReturnSwapEarlyTermination | fpml-eq-shared-4-4.xsd              |
| partyReference          | TradeIdentifier            | fpml-doc-4-4.xsd                    |
| partyTradeIdentifier    | AllocationCancelled        | fpml-allocation-4-4.xsd             |
| partyTradeIdentifier    | CancelTradeConfirmation    | fpml-confirmation-4-4.xsd           |
| partyTradeIdentifier    | CancelTradeMatch           | fpml-tradeexec-4-4.xsd              |
| partyTradeIdentifier    | ConfirmTrade               | fpml-confirmation-4-4.xsd           |
| partyTradeIdentifier    | PartyTradeIdentifiers      | fpml-doc-4-4.xsd                    |
| partyTradeIdentifier    | TradeHeader                | fpml-doc-4-4.xsd                    |
| partyTradeIdentifier    | TradeIdentifyingItems      | fpml-reconciliation-4-4.xsd         |
| partyTradeIdentifier    | TradeValuationItem         | fpml-reporting-4-4.xsd              |
| partyTradeInformation   | TradeHeader                | fpml-doc-4-4.xsd                    |
| payerPartyReference     | DirectionalLeg             | fpml-eq-shared-4-4.xsd              |
| payerPartyReference     | EquityPremium              | fpml-eq-shared-4-4.xsd              |
| payerPartyReference     | ExerciseFee                | fpml-shared-4-4.xsd                 |
| payerPartyReference     | ExerciseFeeSchedule        | fpml-shared-4-4.xsd                 |
| payerPartyReference     | FeaturePayment             | fpml-option-shared-4-4.xsd          |



|                        |                               |                             |
|------------------------|-------------------------------|-----------------------------|
| payerPartyReference    | FxOptionPremium               | fpml-fx-4-4.xsd             |
| payerPartyReference    | GrossCashflow                 | fpml-reconciliation-4-4.xsd |
| payerPartyReference    | IndependentAmount             | fpml-doc-4-4.xsd            |
| payerPartyReference    | InitialPayment                | fpml-cd-4-4.xsd             |
| payerPartyReference    | InterestRateStream            | fpml-ird-4-4.xsd            |
| payerPartyReference    | PassThroughItem               | fpml-option-shared-4-4.xsd  |
| payerPartyReference    | Payment                       | fpml-shared-4-4.xsd         |
| payerPartyReference    | PaymentBase                   | fpml-shared-4-4.xsd         |
| payerPartyReference    | PaymentMatching               | fpml-reconciliation-4-4.xsd |
| payerPartyReference    | PrePayment                    | fpml-eqd-4-4.xsd            |
| payerPartyReference    | PrincipalExchangeDescriptions | fpml-eq-shared-4-4.xsd      |
| payerPartyReference    | QuotablePayment               | fpml-pretrade-4-4.xsd       |
| payerPartyReference    | ReturnSwapAdditionalPayment   | fpml-eq-shared-4-4.xsd      |
| payerPartyReference    | ReturnSwapLeg                 | fpml-eq-shared-4-4.xsd      |
| payerPartyReference    | SimplePayment                 | fpml-shared-4-4.xsd         |
| priceSourceDisruption  | NonDeliverableSettlement      | fpml-ird-4-4.xsd            |
| priceSourceDisruption  | NonDeliverableSettlement      | fpml-ird-4-4.xsd            |
| primaryRateSource      | FxAverageRateOption           | fpml-fx-4-4.xsd             |
| primaryRateSource      | FxAverageRateOption           | fpml-fx-4-4.xsd             |
| primaryRateSource      | FxSpotRateSource              | fpml-shared-4-4.xsd         |
| primaryRateSource      | FxSpotRateSource              | fpml-shared-4-4.xsd         |
| publicSource           | PubliclyAvailableInformation  | fpml-option-shared-4-4.xsd  |
| publicSource           | PubliclyAvailableInformation  | fpml-option-shared-4-4.xsd  |
| rateSource             | FxRateAsset                   | fpml-asset-4-4.xsd          |
| rateSource             | FxRateAsset                   | fpml-asset-4-4.xsd          |
| rateSource             | InformationSource             | fpml-shared-4-4.xsd         |
| rateSource             | InformationSource             | fpml-shared-4-4.xsd         |
| rateSource             | InterestShortFall             | fpml-cd-4-4.xsd             |
| rateSource             | InterestShortFall             | fpml-cd-4-4.xsd             |
| rateSourcePage         | InformationSource             | fpml-shared-4-4.xsd         |
| rateSourcePage         | InformationSource             | fpml-shared-4-4.xsd         |
| rateSourcePageHeading  | InformationSource             | fpml-shared-4-4.xsd         |
| rateSourcePageHeading  | InformationSource             | fpml-shared-4-4.xsd         |
| receiverPartyReference | DirectionalLeg                | fpml-eq-shared-4-4.xsd      |
| receiverPartyReference | EquityPremium                 | fpml-eq-shared-4-4.xsd      |
| receiverPartyReference | ExerciseFee                   | fpml-shared-4-4.xsd         |
| receiverPartyReference | ExerciseFeeSchedule           | fpml-shared-4-4.xsd         |
| receiverPartyReference | FeaturePayment                | fpml-option-shared-4-4.xsd  |
| receiverPartyReference | FxOptionPremium               | fpml-fx-4-4.xsd             |
| receiverPartyReference | GrossCashflow                 | fpml-reconciliation-4-4.xsd |
| receiverPartyReference | IndependentAmount             | fpml-doc-4-4.xsd            |
| receiverPartyReference | InitialPayment                | fpml-cd-4-4.xsd             |
| receiverPartyReference | InterestRateStream            | fpml-ird-4-4.xsd            |
| receiverPartyReference | PassThroughItem               | fpml-option-shared-4-4.xsd  |
| receiverPartyReference | Payment                       | fpml-shared-4-4.xsd         |
| receiverPartyReference | PaymentBase                   | fpml-shared-4-4.xsd         |
| receiverPartyReference | PaymentMatching               | fpml-reconciliation-4-4.xsd |
| receiverPartyReference | PrePayment                    | fpml-eqd-4-4.xsd            |
| receiverPartyReference | PrincipalExchangeDescriptions | fpml-eq-shared-4-4.xsd      |
| receiverPartyReference | QuotablePayment               | fpml-pretrade-4-4.xsd       |
| receiverPartyReference | ReturnSwapAdditionalPayment   | fpml-eq-shared-4-4.xsd      |
| receiverPartyReference | ReturnSwapLeg                 | fpml-eq-shared-4-4.xsd      |
| receiverPartyReference | SimplePayment                 | fpml-shared-4-4.xsd         |
| referenceBank          | CashSettlementReferenceBanks  | fpml-shared-4-4.xsd         |
| referenceBankId        | ReferenceBank                 | fpml-shared-4-4.xsd         |
| referenceBankName      | ReferenceBank                 | fpml-shared-4-4.xsd         |
| remainingParty         | ContractNovation              | fpml-doc-4-4.xsd            |

|  |                                   |  |           |
|--|-----------------------------------|--|-----------|
| remainingParty                         | Novation                          | fpml-posttrade-4-4.xsd                 |           |
| resourceId                             | Resource                          | fpml-credit-event-notification-4-4.xsd | on-4-4.xs |
| resourceId                             | Resource                          | fpml-credit-event-notification-4-4.xsd | on-4-4.xs |
| routingAccountNumber                   | RoutingExplicitDetails            | fpml-shared-4-4.xsd                    |           |
| routingAccountNumber                   | RoutingIdsAndExplicitDetails      | fpml-shared-4-4.xsd                    |           |
| routingAddress                         | RoutingExplicitDetails            | fpml-shared-4-4.xsd                    |           |
| routingAddress                         | RoutingIdsAndExplicitDetails      | fpml-shared-4-4.xsd                    |           |
| secondaryRateSource                    | FxAverageRateOption               | fpml-fx-4-4.xsd                        |           |
| secondaryRateSource                    | FxAverageRateOption               | fpml-fx-4-4.xsd                        |           |
| secondaryRateSource                    | FxSpotRateSource                  | fpml-shared-4-4.xsd                    |           |
| secondaryRateSource                    | FxSpotRateSource                  | fpml-shared-4-4.xsd                    |           |
| sellerPartyReference                   | CancelableProvision               | fpml-ird-4-4.xsd                       |           |
| sellerPartyReference                   | EquityDerivativeBase              | fpml-eqd-4-4.xsd                       |           |
| sellerPartyReference                   | ExtendibleProvision               | fpml-ird-4-4.xsd                       |           |
| sellerPartyReference                   | Fra                               | fpml-ird-4-4.xsd                       |           |
| sellerPartyReference                   | FxAverageRateOption               | fpml-fx-4-4.xsd                        |           |
| sellerPartyReference                   | FxDigitalOption                   | fpml-fx-4-4.xsd                        |           |
| sellerPartyReference                   | FxOptionLeg                       | fpml-fx-4-4.xsd                        |           |
| sellerPartyReference                   | GeneralTerms                      | fpml-cd-4-4.xsd                        |           |
| sellerPartyReference                   | NotifyingParty                    | fpml-option-shared-4-4.xsd             |           |
| sellerPartyReference                   | OptionBase                        | fpml-option-shared-4-4.xsd             |           |
| sellerPartyReference                   | ReturnSwapBase                    | fpml-eq-shared-4-4.xsd                 |           |
| sellerPartyReference                   | SinglePartyOption                 | fpml-ird-4-4.xsd                       |           |
| sellerPartyReference                   | Swaption                          | fpml-ird-4-4.xsd                       |           |
| settlementMethodElectingPartyReference | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd                       |           |
| settlementPriceSource                  | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd                       |           |
| settlementPriceSource                  | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd                       |           |
| settlementRateSource                   | YieldCurveMethod                  | fpml-ird-4-4.xsd                       |           |
| settlementRateSource                   | YieldCurveMethod                  | fpml-ird-4-4.xsd                       |           |
| singlePartyOption                      | OptionalEarlyTermination          | fpml-ird-4-4.xsd                       |           |
| standardPublicSources                  | PubliclyAvailableInformation      | fpml-option-shared-4-4.xsd             |           |
| standardPublicSources                  | PubliclyAvailableInformation      | fpml-option-shared-4-4.xsd             |           |
| streetAddress                          | Address                           | fpml-shared-4-4.xsd                    |           |

### 4.3 Entities and Reference Data - Complex Types

| Component                    | Contained In | File                                   |
|------------------------------|--------------|--|
| Account                      |              | fpml-shared-4-4.xsd                    |
| AccountId                    |              | fpml-shared-4-4.xsd                    |
| AccountReference             |              | fpml-shared-4-4.xsd                    |
| Address                      |              | fpml-shared-4-4.xsd                    |
| BankruptcyEvent              |              | fpml-credit-event-notification-4-4.xsd |
| BusinessCenter               |              | fpml-shared-4-4.xsd                    |
| BusinessCenters              |              | fpml-shared-4-4.xsd                    |
| BusinessCentersReference     |              | fpml-shared-4-4.xsd                    |
| BusinessCenterTime           |              | fpml-shared-4-4.xsd                    |
| CashSettlementReferenceBanks |              | fpml-shared-4-4.xsd                    |
| CorrespondentInformation     |              | fpml-shared-4-4.xsd                    |
| Country                      |              | fpml-shared-4-4.xsd                    |
| FxSpotRateSource             |              | fpml-shared-4-4.xsd                    |
| FxSpotRateSource             |              | fpml-shared-4-4.xsd                    |
| IndexAnnexSource             |              | fpml-cd-4-4.xsd                        |
| IndexAnnexSource             |              | fpml-cd-4-4.xsd                        |
| InformationSource            |              | fpml-shared-4-4.xsd                    |
| InformationSource            |              | fpml-shared-4-4.xsd                    |
| IntermediaryInformation      |              | fpml-shared-4-4.xsd                    |
| MatrixSource                 |              | fpml-cd-4-4.xsd                        |
| MatrixSource                 |              | fpml-cd-4-4.xsd                        |
| MessageAddress               |              | fpml-msg-4-4.xsd                       |
| NotifyingParty               |              | fpml-option-shared-4-4.xsd             |
| Party                        |              | fpml-shared-4-4.xsd                    |
| PartyId                      |              | fpml-shared-4-4.xsd                    |
| PartyMessageInformation      |              | fpml-msg-4-4.xsd                       |
| PartyOrAccountReference      |              | fpml-shared-4-4.xsd                    |
| PartyOrAccountReference      |              | fpml-shared-4-4.xsd                    |
| PartyOrTradeSideReference    |              | fpml-shared-4-4.xsd                    |
| PartyPortfolioName           |              | fpml-doc-4-4.xsd                       |
| PartyReference               |              | fpml-shared-4-4.xsd                    |
| PartyRole                    |              | fpml-doc-4-4.xsd                       |
| PartyTradeIdentifier         |              | fpml-doc-4-4.xsd                       |
| PartyTradeIdentifiers        |              | fpml-doc-4-4.xsd                       |
| PartyTradeInformation        |              | fpml-doc-4-4.xsd                       |
| PriceSourceDisruption        |              | fpml-ird-4-4.xsd                       |
| PriceSourceDisruption        |              | fpml-ird-4-4.xsd                       |
| RateSourcePage               |              | fpml-shared-4-4.xsd                    |
| RateSourcePage               |              | fpml-shared-4-4.xsd                    |
| ReferenceBank                |              | fpml-shared-4-4.xsd                    |
| ReferenceBankId              |              | fpml-shared-4-4.xsd                    |
| Resource                     |              | fpml-credit-event-notification-4-4.xsd |
| Resource                     |              | fpml-credit-event-notification-4-4.xsd |
| ResourceId                   |              | fpml-credit-event-notification-4-4.xsd |
| ResourceId                   |              | fpml-credit-event-notification-4-4.xsd |
| ResourceLength               |              | fpml-credit-event-notification-4-4.xsd |
| ResourceLength               |              | fpml-credit-event-notification-4-4.xsd |
| SettlementPriceSource        |              | fpml-shared-4-4.xsd                    |
| SettlementPriceSource        |              | fpml-shared-4-4.xsd                    |
| SettlementRateSource         |              | fpml-shared-4-4.xsd                    |
| SettlementRateSource         |              | fpml-shared-4-4.xsd                    |
| SinglePartyOption            |              | fpml-ird-4-4.xsd                       |
| StreetAddress                |              | fpml-shared-4-4.xsd                    |

## **5 Documentation and Legal**

### ***5.1 Documentation and Legal - Global Elements***

No components

## 5.2 Documentation and Legal - Local Elements

| Component                        | Contained In                        | File                               |
|----------------------------------|-------------------------------------|------------------------------------|
| additionalTerms                  | Swap                                | fpml-ird-4-4.xsd                   |
| agreementsRegardingHedging       | Representations                     | fpml-eq-shared-4-4.xsd             |
| brokerConfirmation               | Documentation                       | fpml-shared-4-4.xsd                |
| brokerConfirmationType           | BrokerConfirmation                  | fpml-shared-4-4.xsd                |
| cashSettlementTerms              | CreditDefaultSwap                   | fpml-cd-4-4.xsd                    |
| cashSettlementTerms              | FxOptionLeg                         | fpml-fx-4-4.xsd                    |
| changeInLaw                      | AdditionalDisruptionEvents          | fpml-eq-shared-4-4.xsd             |
| confirmationSenderPartyReference | FxLeg                               | fpml-fx-4-4.xsd                    |
| contract                         | ContractCreated                     | fpml-contract-notification-4-4.xsd |
| contract                         | PositionConstituent                 | fpml-valuation-4-4.xsd             |
| contractDate                     | ContractHeader                      | fpml-doc-4-4.xsd                   |
| contractId                       | ContractIdentifier                  | fpml-doc-4-4.xsd                   |
| contractId                       | VersionedContractId                 | fpml-doc-4-4.xsd                   |
| contractReference                | ChangeContract                      | fpml-doc-4-4.xsd                   |
| contractReference                | ContractFullTerminationCancelled    | fpml-contract-notification-4-4.xsd |
| contractReference                | ContractIncreasedCancelled          | fpml-contract-notification-4-4.xsd |
| contractReference                | ContractNovatedCancelled            | fpml-contract-notification-4-4.xsd |
| contractReference                | ContractPartialTerminationCancelled | fpml-contract-notification-4-4.xsd |
| contractReference                | ContractReferenceMessage            | fpml-contract-notification-4-4.xsd |
| contractReference                | ExchangeTradedContract              | fpml-asset-4-4.xsd                 |
| contractReference                | PositionConstituent                 | fpml-valuation-4-4.xsd             |
| contractualDefinitions           | ContractNovation                    | fpml-doc-4-4.xsd                   |
| contractualDefinitions           | ContractNovation                    | fpml-doc-4-4.xsd                   |
| contractualDefinitions           | Documentation                       | fpml-shared-4-4.xsd                |
| contractualDefinitions           | Documentation                       | fpml-shared-4-4.xsd                |
| contractualDefinitions           | Novation                            | fpml-posttrade-4-4.xsd             |
| contractualDefinitions           | Novation                            | fpml-posttrade-4-4.xsd             |
| contractualMatrix                | Documentation                       | fpml-shared-4-4.xsd                |
| contractualSupplement            | Documentation                       | fpml-shared-4-4.xsd                |
| contractualSupplement            | Novation                            | fpml-posttrade-4-4.xsd             |
| contractualTermsSupplement       | ContractNovation                    | fpml-doc-4-4.xsd                   |
| contractualTermsSupplement       | ContractNovation                    | fpml-doc-4-4.xsd                   |
| contractualTermsSupplement       | Documentation                       | fpml-shared-4-4.xsd                |
| contractualTermsSupplement       | Documentation                       | fpml-shared-4-4.xsd                |
| contractualTermsSupplement       | Novation                            | fpml-posttrade-4-4.xsd             |
| contractualTermsSupplement       | Novation                            | fpml-posttrade-4-4.xsd             |
| creditAgreementDate              | DealIdentifier                      | fpml-loan-4-4.xsd                  |
| creditAgreementDate              | Loan                                | fpml-asset-4-4.xsd                 |
| creditSupportAgreement           | Documentation                       | fpml-shared-4-4.xsd                |
| definition                       | TermPoint                           | fpml-mktenv-4-4.xsd                |
| definition                       | UnderlyingAsset                     | fpml-asset-4-4.xsd                 |
| definitionReference              | SensitivitySet                      | fpml-valuation-4-4.xsd             |
| documentation                    | Contract                            | fpml-doc-4-4.xsd                   |
| documentation                    | Trade                               | fpml-doc-4-4.xsd                   |
| exchangeTradedContractNearest    | DeprecatedVariance                  | fpml-eq-shared-4-4.xsd             |
| exchangeTradedContractNearest    | EquityOptionTransactionSupplement   | fpml-eqd-4-4.xsd                   |
| exchangeTradedContractNearest    | ReturnLegValuation                  | fpml-eq-shared-4-4.xsd             |
| exchangeTradedContractNearest    | Variance                            | fpml-eq-shared-4-4.xsd             |
| floatingRateDefinition           | CalculationPeriod                   | fpml-ird-4-4.xsd                   |
| followUpConfirmation             | CancelableProvision                 | fpml-ird-4-4.xsd                   |
| followUpConfirmation             | ExerciseProcedure                   | fpml-shared-4-4.xsd                |
| followUpConfirmation             | ExtendibleProvision                 | fpml-ird-4-4.xsd                   |
| followUpConfirmation             | OptionalEarlyTermination            | fpml-ird-4-4.xsd                   |

|                             |                            |                             |
|-----------------------------|----------------------------|-----------------------------|
| futureContractReference     | Future                     | fpml-asset-4-4.xsd          |
| fxTerms                     | FxTermsSchedule            | fpml-loan-4-4.xsd           |
| fxTermsSchedule             | LoanContract               | fpml-loan-4-4.xsd           |
| generalTerms                | CreditDefaultSwap          | fpml-cd-4-4.xsd             |
| governingLaw                | Contract                   | fpml-doc-4-4.xsd            |
| governingLaw                | Trade                      | fpml-doc-4-4.xsd            |
| lenderLoanContractPeriod    | InterestAccrualSchedule    | fpml-loan-4-4.xsd           |
| loanContract                | LoanContractNotice         | fpml-loan-4-4.xsd           |
| loanContractIdentifier      | LoanContract               | fpml-loan-4-4.xsd           |
| loanContractIdentifier      | LoanContractNotice         | fpml-loan-4-4.xsd           |
| loanContractIdentifier      | LoanContractPosition       | fpml-loan-4-4.xsd           |
| loanContractIdentifier      | LoanContractRepayment      | fpml-loan-4-4.xsd           |
| loanContractIdentifier      | OneOffFeeNotice            | fpml-loan-4-4.xsd           |
| loanContractPosition        | FacilityCommitmentPosition | fpml-loan-4-4.xsd           |
| loanContractRepayment       | Repayment                  | fpml-loan-4-4.xsd           |
| masterAgreement             | Documentation              | fpml-shared-4-4.xsd         |
| masterAgreementDate         | MasterAgreement            | fpml-shared-4-4.xsd         |
| masterAgreementType         | MasterAgreement            | fpml-shared-4-4.xsd         |
| masterConfirmation          | Documentation              | fpml-shared-4-4.xsd         |
| masterConfirmationAnnexDate | MasterConfirmation         | fpml-shared-4-4.xsd         |
| masterConfirmationDate      | Allocation                 | fpml-doc-4-4.xsd            |
| masterConfirmationDate      | MasterConfirmation         | fpml-shared-4-4.xsd         |
| masterConfirmationType      | MasterConfirmation         | fpml-shared-4-4.xsd         |
| newContract                 | ContractNovation           | fpml-doc-4-4.xsd            |
| newContract                 | ContractNovation           | fpml-doc-4-4.xsd            |
| newContractReference        | ContractNovation           | fpml-doc-4-4.xsd            |
| newContractReference        | ContractNovation           | fpml-doc-4-4.xsd            |
| newPortfolioDefinition      | InitialPortfolioDefinition | fpml-reconciliation-4-4.xsd |
| notDomesticLaw              | DeliverableObligations     | fpml-cd-4-4.xsd             |
| notDomesticLaw              | Obligations                | fpml-cd-4-4.xsd             |
| novationContractDate        | ContractNovation           | fpml-doc-4-4.xsd            |
| oldContract                 | ContractNovation           | fpml-doc-4-4.xsd            |
| oldContractReference        | ContractNovation           | fpml-doc-4-4.xsd            |
| physicalSettlementTerms     | CreditDefaultSwap          | fpml-cd-4-4.xsd             |
| protectionTerms             | CreditDefaultSwap          | fpml-cd-4-4.xsd             |
| protectionTermsReference    | ReferencePoolItem          | fpml-cd-4-4.xsd             |
| sensitivityDefinition       | SensitivitySetDefinition   | fpml-riskdef-4-4.xsd        |
| sensitivitySetDefinition    | ValuationSet               | fpml-valuation-4-4.xsd      |
| settlementTermsReference    | ReferencePoolItem          | fpml-cd-4-4.xsd             |
| shareLoanContractAmount     | DrawdownPayment            | fpml-loan-4-4.xsd           |
| shareLoanContractAmount     | LenderLoanContractPeriod   | fpml-loan-4-4.xsd           |
| versionedContractId         | ContractIdentifier         | fpml-doc-4-4.xsd            |

### 5.3 Documentation and Legal - Complex Types

| Component                           | Contained In | File                               |
|-------------------------------------|--------------|------------------------------------|
| BrokerConfirmation                  |              | fpml-shared-4-4.xsd                |
| BrokerConfirmationType              |              | fpml-shared-4-4.xsd                |
| CancelTradeConfirmation             |              | fpml-confirmation-4-4.xsd          |
| CashSettlementTerms                 |              | fpml-cd-4-4.xsd                    |
| ChangeContract                      |              | fpml-doc-4-4.xsd                   |
| ChangeContractSize                  |              | fpml-doc-4-4.xsd                   |
| ConfirmationCancelled               |              | fpml-confirmation-4-4.xsd          |
| Contract                            |              | fpml-doc-4-4.xsd                   |
| ContractCancelled                   |              | fpml-contract-notification-4-4.xsd |
| ContractCreated                     |              | fpml-contract-notification-4-4.xsd |
| ContractFullTermination             |              | fpml-contract-notification-4-4.xsd |
| ContractFullTerminationCancelled    |              | fpml-contract-notification-4-4.xsd |
| ContractHeader                      |              | fpml-doc-4-4.xsd                   |
| ContractId                          |              | fpml-doc-4-4.xsd                   |
| ContractIdentifier                  |              | fpml-doc-4-4.xsd                   |
| ContractIncreased                   |              | fpml-contract-notification-4-4.xsd |
| ContractIncreasedCancelled          |              | fpml-contract-notification-4-4.xsd |
| ContractInformation                 |              | fpml-doc-4-4.xsd                   |
| ContractNovated                     |              | fpml-contract-notification-4-4.xsd |
| ContractNovatedCancelled            |              | fpml-contract-notification-4-4.xsd |
| ContractNovation                    |              | fpml-doc-4-4.xsd                   |
| ContractPartialTermination          |              | fpml-contract-notification-4-4.xsd |
| ContractPartialTerminationCancelled |              | fpml-contract-notification-4-4.xsd |
| ContractReference                   |              | fpml-doc-4-4.xsd                   |
| ContractReferenceMessage            |              | fpml-contract-notification-4-4.xsd |
| ContractTermination                 |              | fpml-doc-4-4.xsd                   |
| ContractualDefinitions              |              | fpml-shared-4-4.xsd                |
| ContractualDefinitions              |              | fpml-shared-4-4.xsd                |
| ContractualMatrix                   |              | fpml-shared-4-4.xsd                |
| ContractualSupplement               |              | fpml-shared-4-4.xsd                |
| ContractualTermsSupplement          |              | fpml-shared-4-4.xsd                |
| ContractualTermsSupplement          |              | fpml-shared-4-4.xsd                |
| CreditSupportAgreement              |              | fpml-shared-4-4.xsd                |
| CreditSupportAgreementType          |              | fpml-shared-4-4.xsd                |
| Documentation                       |              | fpml-shared-4-4.xsd                |
| ExchangeTradedContract              |              | fpml-asset-4-4.xsd                 |
| FloatingRateDefinition              |              | fpml-ird-4-4.xsd                   |
| FxTerms                             |              | fpml-loan-4-4.xsd                  |
| FxTermsSchedule                     |              | fpml-loan-4-4.xsd                  |
| GeneralTerms                        |              | fpml-cd-4-4.xsd                    |
| GoverningLaw                        |              | fpml-shared-4-4.xsd                |
| InitialPortfolioDefinition          |              | fpml-reconciliation-4-4.xsd        |
| LenderLoanContractPeriod            |              | fpml-loan-4-4.xsd                  |
| LoanContract                        |              | fpml-loan-4-4.xsd                  |
| LoanContractIdentifier              |              | fpml-loan-4-4.xsd                  |
| LoanContractNotice                  |              | fpml-loan-4-4.xsd                  |
| LoanContractPosition                |              | fpml-loan-4-4.xsd                  |
| LoanContractRepayment               |              | fpml-loan-4-4.xsd                  |
| MasterAgreement                     |              | fpml-shared-4-4.xsd                |
| MasterAgreementType                 |              | fpml-shared-4-4.xsd                |
| MasterConfirmation                  |              | fpml-shared-4-4.xsd                |
| MasterConfirmationType              |              | fpml-shared-4-4.xsd                |
| ModifyTradeConfirmation             |              | fpml-confirmation-4-4.xsd          |

|                                |  |                                     |  |
|--------------------------------|--|-------------------------------------|--|
| PhysicalSettlementTerms        |  | fpml-cd-4-4.xsd                     |  |
| PortfolioDefinition            |  | fpml-reconciliation-4-4.xsd         |  |
| ProtectionTerms                |  | fpml-cd-4-4.xsd                     |  |
| ProtectionTermsReference       |  | fpml-cd-4-4.xsd                     |  |
| RequestAmendmentConfirmation   |  | fpml-posttrade-confirmation-4-4.xsd |  |
| RequestIncreaseConfirmation    |  | fpml-posttrade-confirmation-4-4.xsd |  |
| RequestNovationConfirmation    |  | fpml-posttrade-confirmation-4-4.xsd |  |
| RequestTerminationConfirmation |  | fpml-posttrade-confirmation-4-4.xsd |  |
| RequestTradeConfirmation       |  | fpml-confirmation-4-4.xsd           |  |
| SensitivityDefinition          |  | fpml-riskdef-4-4.xsd                |  |
| SensitivitySetDefinition       |  | fpml-riskdef-4-4.xsd                |  |
| SettlementTerms                |  | fpml-cd-4-4.xsd                     |  |
| SettlementTermsReference       |  | fpml-cd-4-4.xsd                     |  |
| SwapAdditionalTerms            |  | fpml-ird-4-4.xsd                    |  |
| VersionedContractId            |  | fpml-doc-4-4.xsd                    |  |



## 6 Settlement

### 6.1 Settlement - Global Elements

| Component     | Contained In | File             |
|---------------|--------------|------------------|
| bulletPayment |              | fpml-ird-4-4.xsd |

## 6.2 Settlement - Local Elements

| Component                           | Contained In                           | File                        |
|-------------------------------------|--|-----------------------------|
| accountBeneficiary                  | Account                                | fpml-shared-4-4.xsd         |
| additionalFixedPayments             | FloatingAmountEvents                   | fpml-cd-4-4.xsd             |
| additionalPayment                   | CapFloor                               | fpml-ird-4-4.xsd            |
| additionalPayment                   | NettedSwapBase                         | fpml-eq-shared-4-4.xsd      |
| additionalPayment                   | ReturnSwap                             | fpml-eq-shared-4-4.xsd      |
| additionalPayment                   | Swap                                   | fpml-ird-4-4.xsd            |
| additionalPaymentAmount             | ReturnSwapAdditionalPayment            | fpml-eq-shared-4-4.xsd      |
| additionalPaymentDate               | ReturnSwapAdditionalPayment            | fpml-eq-shared-4-4.xsd      |
| adjustablePaymentDate               | InitialPayment                         | fpml-cd-4-4.xsd             |
| adjustablePaymentDate               | PaymentDetail                          | fpml-doc-4-4.xsd            |
| adjustablePaymentDate               | SinglePayment                          | fpml-cd-4-4.xsd             |
| adjustedCashSettlementPaymentDate   | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| adjustedCashSettlementValuationDate | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedCashSettlementValuationDate | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedCashSettlementValuationDate | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| adjustedExerciseFeePaymentDate      | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedExerciseFeePaymentDate      | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedPaymentDate                 | AdjustedPaymentDates                   | fpml-cd-4-4.xsd             |
| adjustedPaymentDate                 | AllegedCashflow                        | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDate                 | AssertedCashflow                       | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDate                 | CancelTradeCashflows                   | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDate                 | InitialPayment                         | fpml-cd-4-4.xsd             |
| adjustedPaymentDate                 | Payment                                | fpml-shared-4-4.xsd         |
| adjustedPaymentDate                 | PaymentCalculationPeriod               | fpml-ird-4-4.xsd            |
| adjustedPaymentDate                 | PaymentDetail                          | fpml-doc-4-4.xsd            |
| adjustedPaymentDate                 | SinglePayment                          | fpml-cd-4-4.xsd             |
| adjustedPaymentDate                 | TradeCashflowsAsserted                 | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDate                 | TradeCashflowsProposedMatch            | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDates                | PeriodicPayment                        | fpml-cd-4-4.xsd             |
| beneficiary                         | SettlementInstruction                  | fpml-shared-4-4.xsd         |
| beneficiary                         | SplitSettlement                        | fpml-shared-4-4.xsd         |
| beneficiary                         | TradeSide                              | fpml-doc-4-4.xsd            |
| beneficiaryBank                     | SettlementInstruction                  | fpml-shared-4-4.xsd         |
| beneficiaryBank                     | SplitSettlement                        | fpml-shared-4-4.xsd         |
| beneficiaryPartyReference           | Beneficiary                            | fpml-shared-4-4.xsd         |
| cashSettlement                      | MandatoryEarlyTermination              | fpml-ird-4-4.xsd            |
| cashSettlement                      | OptionalEarlyTermination               | fpml-ird-4-4.xsd            |
| cashSettlement                      | ReturnSwapAmount                       | fpml-eq-shared-4-4.xsd      |
| cashSettlement                      | Swaption                               | fpml-ird-4-4.xsd            |
| cashSettlementAmount                | CashSettlementTerms                    | fpml-cd-4-4.xsd             |
| cashSettlementBusinessDays          | CashSettlementTerms                    | fpml-cd-4-4.xsd             |
| cashSettlementCurrency              | CashPriceMethod                        | fpml-ird-4-4.xsd            |
| cashSettlementPaymentDate           | CashSettlement                         | fpml-ird-4-4.xsd            |
| cashSettlementPaymentDate           | CashSettlement                         | fpml-ird-4-4.xsd            |
| cashSettlementPaymentDate           | DeprecatedVarianceAmount               | fpml-eq-shared-4-4.xsd      |
| cashSettlementPaymentDate           | DeprecatedVarianceAmount               | fpml-eq-shared-4-4.xsd      |
| cashSettlementReferenceBanks        | CashPriceMethod                        | fpml-ird-4-4.xsd            |
| cashSettlementReferenceBanks        | SettlementRateSource                   | fpml-shared-4-4.xsd         |

|                              |                                   |                             |
|------------------------------|-----------------------------------|-----------------------------|
| cashSettlementTerms          | CreditDefaultSwap                 | fpml-cd-4-4.xsd             |
| cashSettlementTerms          | FxOptionLeg                       | fpml-fx-4-4.xsd             |
| cashSettlementValuationDate  | CashSettlement                    | fpml-ird-4-4.xsd            |
| cashSettlementValuationTime  | CashSettlement                    | fpml-ird-4-4.xsd            |
| correspondentInformation     | SettlementInstruction             | fpml-shared-4-4.xsd         |
| correspondentPartyReference  | CorrespondentInformation          | fpml-shared-4-4.xsd         |
| couponPayment                | BasketConstituent                 | fpml-asset-4-4.xsd          |
| couponPayment                | SingleUnderlyer                   | fpml-asset-4-4.xsd          |
| dateRelativeToPaymentDates   | FxFixingDate                      | fpml-ird-4-4.xsd            |
| dividendPayment              | DividendPayout                    | fpml-asset-4-4.xsd          |
| dividendPaymentDate          | DividendConditions                | fpml-shared-4-4.xsd         |
| drawdownPayment              | DrawdownNotice                    | fpml-loan-4-4.xsd           |
| equityPaymentDateFinal       | DeprecatedEquityPaymentDates      | fpml-return-swaps-4-4.xsd   |
| equityPaymentDates           | DeprecatedEquityLegValuation      | fpml-return-swaps-4-4.xsd   |
| equityPaymentDatesInterim    | DeprecatedEquityPaymentDates      | fpml-return-swaps-4-4.xsd   |
| facilityRepayment            | Repayment                         | fpml-loan-4-4.xsd           |
| fallbackSettlementRateOption | FallbackReferencePrice            | fpml-ird-4-4.xsd            |
| featurePayment               | TriggerEvent                      | fpml-option-shared-4-4.xsd  |
| featurePaymentDate           | FeaturePayment                    | fpml-option-shared-4-4.xsd  |
| feePayment                   | OneOffFeeNotice                   | fpml-loan-4-4.xsd           |
| feePayment                   | OnGoingFeeNotice                  | fpml-loan-4-4.xsd           |
| feePaymentDate               | ExerciseFee                       | fpml-shared-4-4.xsd         |
| feePaymentDate               | ExerciseFeeSchedule               | fpml-shared-4-4.xsd         |
| firstPaymentDate             | PaymentDates                      | fpml-ird-4-4.xsd            |
| firstPaymentDate             | PeriodicPayment                   | fpml-cd-4-4.xsd             |
| fixedPayment                 | FixedPaymentLeg                   | fpml-dividend-swaps-4-4.xsd |
| fixedPaymentAmount           | PaymentCalculationPeriod          | fpml-ird-4-4.xsd            |
| forecastPaymentAmount        | PaymentCalculationPeriod          | fpml-ird-4-4.xsd            |
| initialPayment               | FeeLeg                            | fpml-cd-4-4.xsd             |
| interestLegPaymentDates      | InterestLegCalculationPeriodDates | fpml-eq-shared-4-4.xsd      |
| interestPaidWithRepayment    | LoanContractRepayment             | fpml-loan-4-4.xsd           |
| interestPayment              | InterestPaymentNotice             | fpml-loan-4-4.xsd           |
| interestPaymentTenor         | LoanContract                      | fpml-loan-4-4.xsd           |
| intermediaryInformation      | SettlementInstruction             | fpml-shared-4-4.xsd         |
| intermediaryPartyReference   | IntermediaryInformation           | fpml-shared-4-4.xsd         |
| intermediarySequenceNumber   | IntermediaryInformation           | fpml-shared-4-4.xsd         |
| lastRegularPaymentDate       | PaymentDates                      | fpml-ird-4-4.xsd            |
| lastRegularPaymentDate       | PeriodicPayment                   | fpml-cd-4-4.xsd             |
| loanContractRepayment        | Repayment                         | fpml-loan-4-4.xsd           |
| nextInterestPaymentDate      | LoanContract                      | fpml-loan-4-4.xsd           |
| nonDeliverableSettlement     | SettlementProvision               | fpml-ird-4-4.xsd            |
| otherPartyPayment            | Contract                          | fpml-doc-4-4.xsd            |
| otherPartyPayment            | Trade                             | fpml-doc-4-4.xsd            |
| partialCashSettlement        | PCDeliverableObligationCharac     | fpml-cd-4-4.xsd             |
| payment                      | AllegedCashflow                   | fpml-reconciliation-4-4.xsd |
| payment                      | Amendment                         | fpml-doc-4-4.xsd            |
| payment                      | AssertedCashflow                  | fpml-reconciliation-4-4.xsd |
| payment                      | BulletPayment                     | fpml-ird-4-4.xsd            |
| payment                      | CancelTradeCashflows              | fpml-reconciliation-4-4.xsd |
| payment                      | ChangeContract                    | fpml-doc-4-4.xsd            |
| payment                      | ContractNovation                  | fpml-doc-4-4.xsd            |
| payment                      | Increase                          | fpml-doc-4-4.xsd            |
| payment                      | Novation                          | fpml-posttrade-4-4.xsd      |
| payment                      | TermDeposit                       | fpml-fx-4-4.xsd             |
| payment                      | Termination                       | fpml-posttrade-4-4.xsd      |
| payment                      | TradeCashflowsAsserted            | fpml-reconciliation-4-4.xsd |
| payment                      | TradeCashflowsProposedMatch       | fpml-reconciliation-4-4.xsd |

|                          |                             |                             |
|--------------------------|-----------------------------|-----------------------------|
| paymentAmount            | AdditionalPaymentAmount     | fpml-eq-shared-4-4.xsd      |
| paymentAmount            | AdjustedPaymentDates        | fpml-cd-4-4.xsd             |
| paymentAmount            | EquityPremium               | fpml-eq-shared-4-4.xsd      |
| paymentAmount            | FixedPaymentAmount          | fpml-dividend-swaps-4-4.xsd |
| paymentAmount            | InitialPayment              | fpml-cd-4-4.xsd             |
| paymentAmount            | NonNegativePayment          | fpml-shared-4-4.xsd         |
| paymentAmount            | Payment                     | fpml-shared-4-4.xsd         |
| paymentAmount            | PaymentDetail               | fpml-doc-4-4.xsd            |
| paymentAmount            | PaymentDetail               | fpml-doc-4-4.xsd            |
| paymentAmount            | PaymentMatching             | fpml-reconciliation-4-4.xsd |
| paymentAmount            | PositivePayment             | fpml-shared-4-4.xsd         |
| paymentAmount            | QuotablePayment             | fpml-pretrade-4-4.xsd       |
| paymentAmount            | SimplePayment               | fpml-shared-4-4.xsd         |
| paymentCalculationPeriod | Cashflows                   | fpml-ird-4-4.xsd            |
| paymentCurrency          | DividendConditions          | fpml-shared-4-4.xsd         |
| paymentCurrency          | LegAmount                   | fpml-eq-shared-4-4.xsd      |
| paymentDate              | DividendPeriodPayment       | fpml-dividend-swaps-4-4.xsd |
| paymentDate              | DrawdownPayment             | fpml-loan-4-4.xsd           |
| paymentDate              | EquityPremium               | fpml-eq-shared-4-4.xsd      |
| paymentDate              | FixedPaymentAmount          | fpml-dividend-swaps-4-4.xsd |
| paymentDate              | Fra                         | fpml-ird-4-4.xsd            |
| paymentDate              | InterestPayment             | fpml-loan-4-4.xsd           |
| paymentDate              | OneOffFeePayment            | fpml-loan-4-4.xsd           |
| paymentDate              | OnGoingFeePayment           | fpml-loan-4-4.xsd           |
| paymentDate              | Payment                     | fpml-shared-4-4.xsd         |
| paymentDate              | PaymentBase                 | fpml-shared-4-4.xsd         |
| paymentDate              | PaymentDetail               | fpml-doc-4-4.xsd            |
| paymentDate              | PendingPayment              | fpml-asset-4-4.xsd          |
| paymentDate              | QuotablePayment             | fpml-pretrade-4-4.xsd       |
| paymentDate              | SimplePayment               | fpml-shared-4-4.xsd         |
| paymentDateFinal         | ReturnSwapPaymentDates      | fpml-eq-shared-4-4.xsd      |
| paymentDateOffset        | DividendPaymentDate         | fpml-shared-4-4.xsd         |
| paymentDates             | InterestRateStream          | fpml-ird-4-4.xsd            |
| paymentDates             | ReturnLegValuation          | fpml-eq-shared-4-4.xsd      |
| paymentDatesAdjustments  | PaymentDates                | fpml-ird-4-4.xsd            |
| paymentDatesInterim      | ReturnSwapPaymentDates      | fpml-eq-shared-4-4.xsd      |
| paymentDatesReference    | DateRelativeToPaymentDates  | fpml-ird-4-4.xsd            |
| paymentDaysOffset        | PaymentDates                | fpml-ird-4-4.xsd            |
| paymentDelay             | FeeLeg                      | fpml-cd-4-4.xsd             |
| paymentDetail            | IndependentAmount           | fpml-doc-4-4.xsd            |
| paymentFrequency         | Bond                        | fpml-asset-4-4.xsd          |
| paymentFrequency         | Deposit                     | fpml-asset-4-4.xsd          |
| paymentFrequency         | Mortgage                    | fpml-asset-4-4.xsd          |
| paymentFrequency         | PaymentDates                | fpml-ird-4-4.xsd            |
| paymentFrequency         | PeriodicPayment             | fpml-cd-4-4.xsd             |
| paymentFrequency         | RateIndex                   | fpml-asset-4-4.xsd          |
| paymentFrequency         | ReturnSwapLeg               | fpml-eq-shared-4-4.xsd      |
| paymentFrequency         | SimpleCreditDefaultSwap     | fpml-asset-4-4.xsd          |
| paymentFrequency         | SimpleIRSwap                | fpml-asset-4-4.xsd          |
| paymentPercent           | PercentageRule              | fpml-doc-4-4.xsd            |
| paymentRequirement       | FailureToPay                | fpml-option-shared-4-4.xsd  |
| paymentRule              | PaymentDetail               | fpml-doc-4-4.xsd            |
| paymentType              | ClassifiedPayment           | fpml-option-shared-4-4.xsd  |
| paymentType              | Payment                     | fpml-shared-4-4.xsd         |
| paymentType              | ReturnSwapAdditionalPayment | fpml-eq-shared-4-4.xsd      |
| periodicPayment          | FeeLeg                      | fpml-cd-4-4.xsd             |
| physicalSettlement       | CreditDerivativesNotices    | fpml-doc-4-4.xsd            |

|  |                                   |                            |
|--|-----------------------------------|----------------------------|
| physicalSettlementPeriod               | PhysicalSettlementTerms           | fpml-cd-4-4.xsd            |
| physicalSettlementTerms                | CreditDefaultSwap                 | fpml-cd-4-4.xsd            |
| premiumSettlementDate                  | FxOptionPremium                   | fpml-fx-4-4.xsd            |
| prePayment                             | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| prePayment                             | PrePayment                        | fpml-eqd-4-4.xsd           |
| prePaymentAmount                       | PrePayment                        | fpml-eqd-4-4.xsd           |
| prePaymentDate                         | PrePayment                        | fpml-eqd-4-4.xsd           |
| repayment                              | RepaymentNotice                   | fpml-loan-4-4.xsd          |
| repaymentDate                          | FacilityRepayment                 | fpml-loan-4-4.xsd          |
| routingAccountNumber                   | RoutingExplicitDetails            | fpml-shared-4-4.xsd        |
| routingAccountNumber                   | RoutingIdsAndExplicitDetails      | fpml-shared-4-4.xsd        |
| routingAddress                         | RoutingExplicitDetails            | fpml-shared-4-4.xsd        |
| routingAddress                         | RoutingIdsAndExplicitDetails      | fpml-shared-4-4.xsd        |
| routingExplicitDetails                 | Beneficiary                       | fpml-shared-4-4.xsd        |
| routingExplicitDetails                 | CorrespondentInformation          | fpml-shared-4-4.xsd        |
| routingExplicitDetails                 | IntermediaryInformation           | fpml-shared-4-4.xsd        |
| routingExplicitDetails                 | Routing                           | fpml-shared-4-4.xsd        |
| routingId                              | RoutingIds                        | fpml-shared-4-4.xsd        |
| routingIds                             | Beneficiary                       | fpml-shared-4-4.xsd        |
| routingIds                             | CorrespondentInformation          | fpml-shared-4-4.xsd        |
| routingIds                             | IntermediaryInformation           | fpml-shared-4-4.xsd        |
| routingIds                             | Routing                           | fpml-shared-4-4.xsd        |
| routingIds                             | RoutingIdsAndExplicitDetails      | fpml-shared-4-4.xsd        |
| routingIdsAndExplicitDetails           | Beneficiary                       | fpml-shared-4-4.xsd        |
| routingIdsAndExplicitDetails           | CorrespondentInformation          | fpml-shared-4-4.xsd        |
| routingIdsAndExplicitDetails           | IntermediaryInformation           | fpml-shared-4-4.xsd        |
| routingIdsAndExplicitDetails           | Routing                           | fpml-shared-4-4.xsd        |
| routingName                            | RoutingExplicitDetails            | fpml-shared-4-4.xsd        |
| routingName                            | RoutingIdsAndExplicitDetails      | fpml-shared-4-4.xsd        |
| routingReferenceText                   | RoutingExplicitDetails            | fpml-shared-4-4.xsd        |
| routingReferenceText                   | RoutingIdsAndExplicitDetails      | fpml-shared-4-4.xsd        |
| settlementAmount                       | DirectionalLegUnderlyer           | fpml-eq-shared-4-4.xsd     |
| settlementAmount                       | EquityOptionTermination           | fpml-eqd-4-4.xsd           |
| settlementAmount                       | OptionBaseExtended                | fpml-option-shared-4-4.xsd |
| settlementAmountPaymentDate            | EquityOptionTermination           | fpml-eqd-4-4.xsd           |
| settlementAmountPaymentDate            | EquityOptionTermination           | fpml-eqd-4-4.xsd           |
| settlementCurrency                     | DirectionalLegUnderlyer           | fpml-eq-shared-4-4.xsd     |
| settlementCurrency                     | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| settlementCurrency                     | FxCashSettlement                  | fpml-shared-4-4.xsd        |
| settlementCurrency                     | OptionBaseExtended                | fpml-option-shared-4-4.xsd |
| settlementCurrency                     | SettlementProvision               | fpml-ird-4-4.xsd           |
| settlementCurrency                     | SettlementTerms                   | fpml-cd-4-4.xsd            |
| settlementCurrencyYieldCurve           | FxCurveValuation                  | fpml-mktenv-4-4.xsd        |
| settlementDate                         | DirectionalLegUnderlyer           | fpml-eq-shared-4-4.xsd     |
| settlementDate                         | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| settlementDate                         | OptionBaseExtended                | fpml-option-shared-4-4.xsd |
| settlementInformation                  | FxOptionPayout                    | fpml-fx-4-4.xsd            |
| settlementInformation                  | FxOptionPremium                   | fpml-fx-4-4.xsd            |
| settlementInformation                  | Payment                           | fpml-shared-4-4.xsd        |
| settlementInstruction                  | SettlementInformation             | fpml-shared-4-4.xsd        |
| settlementMethod                       | SettlementInstruction             | fpml-shared-4-4.xsd        |
| settlementMethodElectingPartyReference | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| settlementMethodElectionDate           | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| settlementPriceSource                  | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| settlementProvision                    | InterestRateStream                | fpml-ird-4-4.xsd           |
| settlementRateOption                   | NonDeliverableSettlement          | fpml-ird-4-4.xsd           |
| settlementRateSource                   | YieldCurveMethod                  | fpml-ird-4-4.xsd           |

|  |                                   |                            |
|--|-----------------------------------|----------------------------|
| settlementTermsReference                   | ReferencePoolItem                 | fpml-cd-4-4.xsd            |
| settlementType                             | DirectionalLegUnderlyer           | fpml-eq-shared-4-4.xsd     |
| settlementType                             | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| settlementType                             | OptionBaseExtended                | fpml-option-shared-4-4.xsd |
| singlePayment                              | FeeLeg                            | fpml-cd-4-4.xsd            |
| sixtyBusinessDaySettlementCap              | PhysicalSettlementTerms           | fpml-cd-4-4.xsd            |
| splitSettlement                            | SettlementInstruction             | fpml-shared-4-4.xsd        |
| splitSettlementAmount                      | SplitSettlement                   | fpml-shared-4-4.xsd        |
| standardSettlementStyle                    | SettlementInformation             | fpml-shared-4-4.xsd        |
| unadjustedPaymentDate                      | PaymentCalculationPeriod          | fpml-ird-4-4.xsd           |
| varyingNotionalInterimExchangePaymentDates | FxLinkedNotionalSchedule          | fpml-ird-4-4.xsd           |

## 6.3 Settlement - Complex Types

| Component                         | Contained In | File                        |
|-----------------------------------|--------------|-----------------------------|
| AdditionalFixedPayments           |              | fpml-cd-4-4.xsd             |
| AdditionalPaymentAmount           |              | fpml-eq-shared-4-4.xsd      |
| AdjustedPaymentDates              |              | fpml-cd-4-4.xsd             |
| Beneficiary                       |              | fpml-shared-4-4.xsd         |
| BulletPayment                     |              | fpml-ird-4-4.xsd            |
| CashSettlement                    |              | fpml-ird-4-4.xsd            |
| CashSettlementPaymentDate         |              | fpml-ird-4-4.xsd            |
| CashSettlementPaymentDate         |              | fpml-ird-4-4.xsd            |
| CashSettlementReferenceBanks      |              | fpml-shared-4-4.xsd         |
| CashSettlementTerms               |              | fpml-cd-4-4.xsd             |
| ClassifiedPayment                 |              | fpml-option-shared-4-4.xsd  |
| CorrespondentInformation          |              | fpml-shared-4-4.xsd         |
| DateRelativeToPaymentDates        |              | fpml-ird-4-4.xsd            |
| DeprecatedEquityPaymentDates      |              | fpml-return-swaps-4-4.xsd   |
| DividendPaymentDate               |              | fpml-shared-4-4.xsd         |
| DividendPeriodPayment             |              | fpml-dividend-swaps-4-4.xsd |
| DrawdownPayment                   |              | fpml-loan-4-4.xsd           |
| EquityExerciseValuationSettlement |              | fpml-eqd-4-4.xsd            |
| FacilityRepayment                 |              | fpml-loan-4-4.xsd           |
| FeaturePayment                    |              | fpml-option-shared-4-4.xsd  |
| FixedPaymentAmount                |              | fpml-dividend-swaps-4-4.xsd |
| FixedPaymentLeg                   |              | fpml-dividend-swaps-4-4.xsd |
| FxCashSettlement                  |              | fpml-shared-4-4.xsd         |
| InitialPayment                    |              | fpml-cd-4-4.xsd             |
| InterestPayment                   |              | fpml-loan-4-4.xsd           |
| InterestPaymentNotice             |              | fpml-loan-4-4.xsd           |
| IntermediaryInformation           |              | fpml-shared-4-4.xsd         |
| LoanContractRepayment             |              | fpml-loan-4-4.xsd           |
| NonDeliverableSettlement          |              | fpml-ird-4-4.xsd            |
| NonNegativePayment                |              | fpml-shared-4-4.xsd         |
| OneOffFeePayment                  |              | fpml-loan-4-4.xsd           |
| OnGoingFeePayment                 |              | fpml-loan-4-4.xsd           |
| Payment                           |              | fpml-shared-4-4.xsd         |
| PaymentBase                       |              | fpml-shared-4-4.xsd         |
| PaymentCalculationPeriod          |              | fpml-ird-4-4.xsd            |
| PaymentCurrency                   |              | fpml-shared-4-4.xsd         |
| PaymentDates                      |              | fpml-ird-4-4.xsd            |
| PaymentDatesReference             |              | fpml-ird-4-4.xsd            |
| PaymentDetail                     |              | fpml-doc-4-4.xsd            |
| PaymentId                         |              | fpml-reconciliation-4-4.xsd |
| PaymentMatching                   |              | fpml-reconciliation-4-4.xsd |
| PaymentRule                       |              | fpml-doc-4-4.xsd            |
| PaymentType                       |              | fpml-shared-4-4.xsd         |
| PendingPayment                    |              | fpml-asset-4-4.xsd          |
| PeriodicPayment                   |              | fpml-cd-4-4.xsd             |
| PhysicalSettlementPeriod          |              | fpml-cd-4-4.xsd             |
| PhysicalSettlementTerms           |              | fpml-cd-4-4.xsd             |
| PositivePayment                   |              | fpml-shared-4-4.xsd         |
| PrePayment                        |              | fpml-eqd-4-4.xsd            |
| QuotablePayment                   |              | fpml-pretrade-4-4.xsd       |
| Repayment                         |              | fpml-loan-4-4.xsd           |
| RepaymentNotice                   |              | fpml-loan-4-4.xsd           |
| ReturnSwapAdditionalPayment       |              | fpml-eq-shared-4-4.xsd      |

|                              |  |                        |
|------------------------------|--|------------------------|
| ReturnSwapPaymentDates       |  | fpml-eq-shared-4-4.xsd |
| Routing                      |  | fpml-shared-4-4.xsd    |
| RoutingExplicitDetails       |  | fpml-shared-4-4.xsd    |
| RoutingId                    |  | fpml-shared-4-4.xsd    |
| RoutingIds                   |  | fpml-shared-4-4.xsd    |
| RoutingIdsAndExplicitDetails |  | fpml-shared-4-4.xsd    |
| SettlementInformation        |  | fpml-shared-4-4.xsd    |
| SettlementInstruction        |  | fpml-shared-4-4.xsd    |
| SettlementMethod             |  | fpml-shared-4-4.xsd    |
| SettlementPriceSource        |  | fpml-shared-4-4.xsd    |
| SettlementProvision          |  | fpml-ird-4-4.xsd       |
| SettlementRateOption         |  | fpml-ird-4-4.xsd       |
| SettlementRateSource         |  | fpml-shared-4-4.xsd    |
| SettlementTerms              |  | fpml-cd-4-4.xsd        |
| SettlementTermsReference     |  | fpml-cd-4-4.xsd        |
| SimplePayment                |  | fpml-shared-4-4.xsd    |
| SinglePayment                |  | fpml-cd-4-4.xsd        |
| SplitSettlement              |  | fpml-shared-4-4.xsd    |



## 7 Valuation

### *7.1 Valuation - Global Elements*

| Component                 | Contained In | File                   |
|---------------------------|--------------|------------------------|
| creditCurveValuation      |              | fpml-mktnv-4-4.xsd     |
| fxCurveValuation          |              | fpml-mktnv-4-4.xsd     |
| pricingStructureValuation |              | fpml-riskdef-4-4.xsd   |
| valuationSet              |              | fpml-valuation-4-4.xsd |
| volatilityMatrixValuation |              | fpml-mktnv-4-4.xsd     |
| yieldCurveValuation       |              | fpml-mktnv-4-4.xsd     |

## 7.2 Valuation - Local Elements

| Component                           | Contained In                           | File                                   |
|-------------------------------------|--|--|
| adjustedCashSettlementValuationDate | EarlyTerminationEvent                  | fpml-ird-4-4.xsd                       |
| adjustedCashSettlementValuationDate | ExerciseEvent                          | fpml-ird-4-4.xsd                       |
| adjustedCashSettlementValuationDate | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd                       |
| adjustmentValue                     | ParametricAdjustmentPoint              | fpml-mktenv-4-4.xsd                    |
| assetValuation                      | ValuationSet                           | fpml-valuation-4-4.xsd                 |
| associatedValue                     | ScheduledDate                          | fpml-valuation-4-4.xsd                 |
| associatedValueReference            | ScheduledDate                          | fpml-valuation-4-4.xsd                 |
| baseValuationScenario               | DerivedValuationScenario               | fpml-valuation-4-4.xsd                 |
| baseValue                           | TradeDifference                        | fpml-doc-4-4.xsd                       |
| calculatedValue                     | CashflowFixing                         | fpml-reconciliation-4-4.xsd            |
| capValue                            | CashflowFixing                         | fpml-reconciliation-4-4.xsd            |
| cashSettlementValuationDate         | CashSettlement                         | fpml-ird-4-4.xsd                       |
| cashSettlementValuationTime         | CashSettlement                         | fpml-ird-4-4.xsd                       |
| currency1ValueDate                  | FxLeg                                  | fpml-fx-4-4.xsd                        |
| currency2ValueDate                  | FxLeg                                  | fpml-fx-4-4.xsd                        |
| equityValuation                     | DeprecatedEquityLegValuationPrice      | fpml-return-swaps-4-4.xsd              |
| equityValuation                     | DeprecatedVarianceLeg                  | fpml-eq-shared-4-4.xsd                 |
| equityValuation                     | EquityExerciseValuationSettlement      | fpml-eqd-4-4.xsd                       |
| fallbackSurveyValuationPostponement | FallbackReferencePrice                 | fpml-ird-4-4.xsd                       |
| floorValue                          | CashflowFixing                         | fpml-reconciliation-4-4.xsd            |
| futuresPriceValuation               | EquityValuation                        | fpml-eq-shared-4-4.xsd                 |
| initialValue                        | FxLinkedNotionalSchedule               | fpml-ird-4-4.xsd                       |
| initialValue                        | Schedule                               | fpml-shared-4-4.xsd                    |
| lengthValue                         | ResourceLength                         | fpml-credit-event-notification-4-4.xsd |
| multipleValuationDates              | ValuationDate                          | fpml-cd-4-4.xsd                        |
| numberValuationDates                | MultipleValuationDates                 | fpml-cd-4-4.xsd                        |
| observedValue                       | CashflowObservation                    | fpml-reconciliation-4-4.xsd            |
| optionsPriceValuation               | EquityValuation                        | fpml-eq-shared-4-4.xsd                 |
| otherValue                          | TradeDifference                        | fpml-doc-4-4.xsd                       |
| parameterValue                      | ParametricAdjustmentPoint              | fpml-mktenv-4-4.xsd                    |
| parValue                            | Bond                                   | fpml-asset-4-4.xsd                     |
| portfolioValuationItem              | RequestValuationReport                 | fpml-reporting-4-4.xsd                 |
| portfolioValuationItem              | ValuationReport                        | fpml-reporting-4-4.xsd                 |
| premiumValue                        | PremiumQuote                           | fpml-fx-4-4.xsd                        |
| presentValueAmount                  | Payment                                | fpml-shared-4-4.xsd                    |
| presentValueAmount                  | PaymentCalculationPeriod               | fpml-ird-4-4.xsd                       |
| presentValueAmount                  | Premium                                | fpml-option-shared-4-4.xsd             |
| presentValuePrincipalExchangeAmount | PrincipalExchange                      | fpml-ird-4-4.xsd                       |
| queryParameterValue                 | QueryParameter                         | fpml-doc-4-4.xsd                       |
| singleValuationDate                 | ValuationDate                          | fpml-cd-4-4.xsd                        |
| spreadValue                         | TermPoint                              | fpml-mktenv-4-4.xsd                    |
| stepValue                           | Step                                   | fpml-shared-4-4.xsd                    |
| swapUnwindValue                     | ReferenceSwapCurve                     | fpml-bond-option-4-4.xsd               |
| tradeStatusValue                    | TradeStatusItem                        | fpml-msg-4-4.xsd                       |
| tradeValuationItem                  | PortfolioValuationItem                 | fpml-reporting-4-4.xsd                 |
| tradeValuationItem                  | RequestValuationReport                 | fpml-reporting-4-4.xsd                 |
| tradeValuationItem                  | ValuationReport                        | fpml-reporting-4-4.xsd                 |
| valuation                           | AssertedPosition                       | fpml-reconciliation-4-4.xsd            |
| valuation                           | DeprecatedEquityLeg                    | fpml-return-swaps-4-4.xsd              |
| valuation                           | DirectionalLegUnderlyerValuation       | fpml-eq-shared-4-4.xsd                 |
| valuation                           | Position                               | fpml-valuation-4-4.xsd                 |
| valuation                           | PositionProposedMatch                  | fpml-reconciliation-4-4.xsd            |
| valuation                           | Valuations                             | fpml-valuation-4-4.xsd                 |

|                            |                              |                             |
|----------------------------|------------------------------|-----------------------------|
| valuationDate              | BasicQuotation               | fpml-asset-4-4.xsd          |
| valuationDate              | CashSettlementTerms          | fpml-cd-4-4.xsd             |
| valuationDate              | DerivedValuationScenario     | fpml-valuation-4-4.xsd      |
| valuationDate              | DividendPeriodPayment        | fpml-dividend-swaps-4-4.xsd |
| valuationDate              | EquityValuation              | fpml-eq-shared-4-4.xsd      |
| valuationDate              | MultiDimensionalPricingData  | fpml-mktenv-4-4.xsd         |
| valuationDate              | PricingStructurePoint        | fpml-mktenv-4-4.xsd         |
| valuationDate              | Quotation                    | fpml-valuation-4-4.xsd      |
| valuationDate              | QuotationCharacteristics     | fpml-asset-4-4.xsd          |
| valuationDate              | ValuationScenario            | fpml-riskdef-4-4.xsd        |
| valuationDates             | EquityValuation              | fpml-eq-shared-4-4.xsd      |
| valuationDatesReference    | PaymentDates                 | fpml-ird-4-4.xsd            |
| valuationMethod            | CashSettlementTerms          | fpml-cd-4-4.xsd             |
| valuationPostponement      | FallbackReferencePrice       | fpml-ird-4-4.xsd            |
| valuationPriceFinal        | DeprecatedEquityLegValuation | fpml-return-swaps-4-4.xsd   |
| valuationPriceFinal        | ReturnLegValuation           | fpml-eq-shared-4-4.xsd      |
| valuationPriceInterim      | DeprecatedEquityLegValuation | fpml-return-swaps-4-4.xsd   |
| valuationPriceInterim      | ReturnLegValuation           | fpml-eq-shared-4-4.xsd      |
| valuationProvider          | ReportingRoles               | fpml-valuation-4-4.xsd      |
| valuationReference         | Valuations                   | fpml-valuation-4-4.xsd      |
| valuationRules             | ReturnLegValuationPrice      | fpml-eq-shared-4-4.xsd      |
| valuationScenario          | ValuationSet                 | fpml-valuation-4-4.xsd      |
| valuationScenarioReference | SensitivityDefinition        | fpml-riskdef-4-4.xsd        |
| valuationScenarioReference | SensitivitySetDefinition     | fpml-riskdef-4-4.xsd        |
| valuationScenarioReference | Valuation                    | fpml-riskdef-4-4.xsd        |
| valuationScenarioReference | ValuationSet                 | fpml-valuation-4-4.xsd      |
| valuationTime              | CashSettlementTerms          | fpml-cd-4-4.xsd             |
| valuationTime              | EquityValuation              | fpml-eq-shared-4-4.xsd      |
| valuationTimeType          | EquityValuation              | fpml-eq-shared-4-4.xsd      |
| value                      | BasicQuotation               | fpml-asset-4-4.xsd          |
| value                      | PricingStructurePoint        | fpml-mktenv-4-4.xsd         |
| value                      | Quotation                    | fpml-valuation-4-4.xsd      |
| valueDate                  | FxAverageRateOption          | fpml-fx-4-4.xsd             |
| valueDate                  | FxDigitalOption              | fpml-fx-4-4.xsd             |
| valueDate                  | FxLeg                        | fpml-fx-4-4.xsd             |
| valueDate                  | FxOptionLeg                  | fpml-fx-4-4.xsd             |

## 7.3 Valuation - Complex Types

| Component                         | Contained In | File                      |
|-----------------------------------|--------------|---------------------------|
| AssetValuation                    |              | fpml-valuation-4-4.xsd    |
| BasicAssetValuation               |              | fpml-riskdef-4-4.xsd      |
| CreditCurveValuation              |              | fpml-mktenv-4-4.xsd       |
| DeprecatedEquityLegValuation      |              | fpml-return-swaps-4-4.xsd |
| DeprecatedEquityLegValuationPrice |              | fpml-return-swaps-4-4.xsd |
| DerivedValuationScenario          |              | fpml-valuation-4-4.xsd    |
| DirectionalLegUnderlyerValuation  |              | fpml-eq-shared-4-4.xsd    |
| EquityExerciseValuationSettlement |              | fpml-eqd-4-4.xsd          |
| EquityValuation                   |              | fpml-eq-shared-4-4.xsd    |
| FxCurveValuation                  |              | fpml-mktenv-4-4.xsd       |
| MultipleValuationDates            |              | fpml-cd-4-4.xsd           |
| PortfolioValuationItem            |              | fpml-reporting-4-4.xsd    |
| PricingStructureValuation         |              | fpml-riskdef-4-4.xsd      |
| RequestValuationReport            |              | fpml-reporting-4-4.xsd    |
| ReturnLegValuation                |              | fpml-eq-shared-4-4.xsd    |
| ReturnLegValuationPrice           |              | fpml-eq-shared-4-4.xsd    |
| SingleValuationDate               |              | fpml-cd-4-4.xsd           |
| StubValue                         |              | fpml-shared-4-4.xsd       |
| SwapCurveValuation                |              | fpml-bond-option-4-4.xsd  |
| TradeStatusValue                  |              | fpml-msg-4-4.xsd          |
| TradeValuationItem                |              | fpml-reporting-4-4.xsd    |
| Valuation                         |              | fpml-riskdef-4-4.xsd      |
| ValuationDate                     |              | fpml-cd-4-4.xsd           |
| ValuationDatesReference           |              | fpml-ird-4-4.xsd          |
| ValuationDocument                 |              | fpml-main-4-4.xsd         |
| ValuationPostponement             |              | fpml-ird-4-4.xsd          |
| ValuationReference                |              | fpml-riskdef-4-4.xsd      |
| ValuationReport                   |              | fpml-reporting-4-4.xsd    |
| Valuations                        |              | fpml-valuation-4-4.xsd    |
| ValuationScenario                 |              | fpml-riskdef-4-4.xsd      |
| ValuationScenarioReference        |              | fpml-riskdef-4-4.xsd      |
| ValuationSet                      |              | fpml-valuation-4-4.xsd    |
| ValuationSetDetail                |              | fpml-valuation-4-4.xsd    |
| YieldCurveValuation               |              | fpml-mktenv-4-4.xsd       |

## 8 References

### ***8.1 References - Global Elements***

No components

## 8.2 References - Local Elements

| Component                         | Contained In                         | File                               |
|-----------------------------------|--------------------------------------|------------------------------------|
| accountReference                  | Allocation                           | fpml-doc-4-4.xsd                   |
| agentBankPartyReference           | FacilityNotice                       | fpml-loan-4-4.xsd                  |
| agentBankPartyReference           | LoanContractNotice                   | fpml-loan-4-4.xsd                  |
| assetReference                    | ForwardRateCurve                     | fpml-mktenv-4-4.xsd                |
| assetReference                    | PricingMethod                        | fpml-riskdef-4-4.xsd               |
| assetReference                    | ScheduledDate                        | fpml-valuation-4-4.xsd             |
| associatedValueReference          | ScheduledDate                        | fpml-valuation-4-4.xsd             |
| basketReferenceInformation        | GeneralTerms                         | fpml-cd-4-4.xsd                    |
| beneficiaryPartyReference         | Beneficiary                          | fpml-shared-4-4.xsd                |
| bondReference                     | SwapAdditionalTerms                  | fpml-ird-4-4.xsd                   |
| borrowerPartyReference            | FacilityNotice                       | fpml-loan-4-4.xsd                  |
| borrowerPartyReference            | LoanContract                         | fpml-loan-4-4.xsd                  |
| borrowerPartyReference            | LoanContractNotice                   | fpml-loan-4-4.xsd                  |
| borrowerReference                 | Loan                                 | fpml-asset-4-4.xsd                 |
| brokerPartyReference              | Trade                                | fpml-doc-4-4.xsd                   |
| businessCentersReference          | BusinessDateRange                    | fpml-shared-4-4.xsd                |
| businessCentersReference          | BusinessDayAdjustments               | fpml-shared-4-4.xsd                |
| businessCentersReference          | FxFixingDate                         | fpml-ird-4-4.xsd                   |
| businessCentersReference          | RelativeDateOffset                   | fpml-shared-4-4.xsd                |
| businessCentersReference          | RelativeDateSequence                 | fpml-shared-4-4.xsd                |
| buyerPartyReference               | CancelableProvision                  | fpml-ird-4-4.xsd                   |
| buyerPartyReference               | EquityDerivativeBase                 | fpml-eqd-4-4.xsd                   |
| buyerPartyReference               | ExtendibleProvision                  | fpml-ird-4-4.xsd                   |
| buyerPartyReference               | Fra                                  | fpml-ird-4-4.xsd                   |
| buyerPartyReference               | FxAverageRateOption                  | fpml-fx-4-4.xsd                    |
| buyerPartyReference               | FxDigitalOption                      | fpml-fx-4-4.xsd                    |
| buyerPartyReference               | FxOptionLeg                          | fpml-fx-4-4.xsd                    |
| buyerPartyReference               | GeneralTerms                         | fpml-cd-4-4.xsd                    |
| buyerPartyReference               | NotifyingParty                       | fpml-option-shared-4-4.xsd         |
| buyerPartyReference               | OptionBase                           | fpml-option-shared-4-4.xsd         |
| buyerPartyReference               | ReturnSwapBase                       | fpml-eq-shared-4-4.xsd             |
| buyerPartyReference               | SinglePartyOption                    | fpml-ird-4-4.xsd                   |
| buyerPartyReference               | Swaption                             | fpml-ird-4-4.xsd                   |
| calculatedRateReference           | CashflowCalculationPeriod            | fpml-reconciliation-4-4.xsd        |
| calculationAgentPartyReference    | CalculationAgent                     | fpml-shared-4-4.xsd                |
| calculationPeriodDatesReference   | DateRelativeToCalculationPeriodDates | fpml-ird-4-4.xsd                   |
| calculationPeriodDatesReference   | InterestLegResetDates                | fpml-eq-shared-4-4.xsd             |
| calculationPeriodDatesReference   | NotionalStepRule                     | fpml-ird-4-4.xsd                   |
| calculationPeriodDatesReference   | PaymentDates                         | fpml-ird-4-4.xsd                   |
| calculationPeriodDatesReference   | ResetDates                           | fpml-ird-4-4.xsd                   |
| calculationPeriodDatesReference   | StubCalculationPeriodAmount          | fpml-ird-4-4.xsd                   |
| cashSettlementReferenceBanks      | CashPriceMethod                      | fpml-ird-4-4.xsd                   |
| cashSettlementReferenceBanks      | SettlementRateSource                 | fpml-shared-4-4.xsd                |
| confirmationSenderPartyReference  | FxLeg                                | fpml-fx-4-4.xsd                    |
| constantNotionalScheduleReference | FxLinkedNotionalSchedule             | fpml-ird-4-4.xsd                   |
| contractReference                 | ChangeContract                       | fpml-doc-4-4.xsd                   |
| contractReference                 | ContractFullTerminationCancelled     | fpml-contract-notification-4-4.xsd |
| contractReference                 | ContractIncreasedCancelled           | fpml-contract-notification-4-4.xsd |
| contractReference                 | ContractNovatedCancelled             | fpml-contract-notification-4-4.xsd |
| contractReference                 | ContractPartialTerminationCancelled  | fpml-contract-notification-4-4.xsd |
| contractReference                 | ContractReferenceMessage             | fpml-contract-notification-4-4.xsd |
| contractReference                 | ExchangeTradedContract               | fpml-asset-4-4.xsd                 |
| contractReference                 | PositionConstituent                  | fpml-valuation-4-4.xsd             |

|                               |                            |  |
|-------------------------------|----------------------------|--|
| coordinateReference           | PricingStructurePoint      | fpml-mktenv-4-4.xsd                    |
| coordinateReference           | SensitivityDefinition      | fpml-riskdef-4-4.xsd                   |
| correspondentPartyReference   | CorrespondentInformation   | fpml-shared-4-4.xsd                    |
| creditEntityReference         | CreditCurve                | fpml-mktenv-4-4.xsd                    |
| creditEntityReference         | SimpleCreditDefaultSwap    | fpml-asset-4-4.xsd                     |
| creditEventsReference         | Trigger                    | fpml-option-shared-4-4.xsd             |
| currencyReference             | DividendConditions         | fpml-shared-4-4.xsd                    |
| currencyReference             | LegAmount                  | fpml-eq-shared-4-4.xsd                 |
| dateAdjustmentsReference      | AdjustableDate2            | fpml-shared-4-4.xsd                    |
| definitionReference           | SensitivitySet             | fpml-valuation-4-4.xsd                 |
| depositoryPartyReference      | SettlementInstruction      | fpml-shared-4-4.xsd                    |
| determiningPartyReference     | AdditionalDisruptionEvents | fpml-eq-shared-4-4.xsd                 |
| dividendDateReference         | DividendPaymentDate        | fpml-shared-4-4.xsd                    |
| excludedReferenceEntity       | IndexReferenceInformation  | fpml-cd-4-4.xsd                        |
| exerciseNoticePartyReference  | ExerciseNotice             | fpml-shared-4-4.xsd                    |
| fallbackReferencePrice        | PriceSourceDisruption      | fpml-ird-4-4.xsd                       |
| fixedRateStepReference        | CashflowCalculationPeriod  | fpml-reconciliation-4-4.xsd            |
| futureContractReference       | Future                     | fpml-asset-4-4.xsd                     |
| guarantorReference            | ReferenceObligation        | fpml-cd-4-4.xsd                        |
| indexReferenceInformation     | GeneralTerms               | fpml-cd-4-4.xsd                        |
| initialPayerReference         | TermDeposit                | fpml-fx-4-4.xsd                        |
| initialReceiverReference      | TermDeposit                | fpml-fx-4-4.xsd                        |
| inputDateReference            | PricingParameterDerivative | fpml-riskdef-4-4.xsd                   |
| insurerReference              | Mortgage                   | fpml-asset-4-4.xsd                     |
| intermediaryPartyReference    | IntermediaryInformation    | fpml-shared-4-4.xsd                    |
| issuerPartyReference          | Bond                       | fpml-asset-4-4.xsd                     |
| issuerPartyReference          | Mortgage                   | fpml-asset-4-4.xsd                     |
| lenderPartyReference          | FacilityNotice             | fpml-loan-4-4.xsd                      |
| lenderPartyReference          | LoanContractNotice         | fpml-loan-4-4.xsd                      |
| marketReference               | DerivedValuationScenario   | fpml-valuation-4-4.xsd                 |
| marketReference               | ValuationScenario          | fpml-riskdef-4-4.xsd                   |
| newContractReference          | ContractNovation           | fpml-doc-4-4.xsd                       |
| newContractReference          | ContractNovation           | fpml-doc-4-4.xsd                       |
| newTransactionReference       | Novation                   | fpml-posttrade-4-4.xsd                 |
| newTransactionReference       | Novation                   | fpml-posttrade-4-4.xsd                 |
| noReferenceObligation         | ReferenceInformation       | fpml-cd-4-4.xsd                        |
| noReferenceObligation         | ReferencePair              | fpml-cd-4-4.xsd                        |
| notifiedPartyReference        | CreditEventNoticeDocument  | fpml-credit-event-notification-4-4.xsd |
| notifyingPartyReference       | CreditEventNoticeDocument  | fpml-credit-event-notification-4-4.xsd |
| notionalAmountReference       | PercentageRule             | fpml-doc-4-4.xsd                       |
| notionalReference             | ExerciseFee                | fpml-shared-4-4.xsd                    |
| notionalReference             | ExerciseFeeSchedule        | fpml-shared-4-4.xsd                    |
| notionalReference             | MultipleExercise           | fpml-shared-4-4.xsd                    |
| notionalReference             | OptionBaseExtended         | fpml-option-shared-4-4.xsd             |
| notionalReference             | PartialExercise            | fpml-shared-4-4.xsd                    |
| objectReference               | Valuation                  | fpml-riskdef-4-4.xsd                   |
| observationReference          | CashflowFixing             | fpml-reconciliation-4-4.xsd            |
| oldContractReference          | ContractNovation           | fpml-doc-4-4.xsd                       |
| oldTransactionReference       | Novation                   | fpml-posttrade-4-4.xsd                 |
| originalInputReference        | PricingInputReplacement    | fpml-riskdef-4-4.xsd                   |
| othReferenceEntityObligations | DeliverableObligations     | fpml-cd-4-4.xsd                        |
| othReferenceEntityObligations | Obligations                | fpml-cd-4-4.xsd                        |
| parameterReference            | PricingParameterDerivative | fpml-riskdef-4-4.xsd                   |
| parameterReference            | PricingParameterShift      | fpml-riskdef-4-4.xsd                   |
| partialDerivativeReference    | FormulaTerm                | fpml-riskdef-4-4.xsd                   |
| partialDerivativeReference    | WeightedPartialDerivative  | fpml-riskdef-4-4.xsd                   |
| partyReference                | Allocation                 | fpml-doc-4-4.xsd                       |

|                          |                               |                             |
|--------------------------|-------------------------------|-----------------------------|
| partyReference           | ContractIdentifier            | fpml-doc-4-4.xsd            |
| partyReference           | ContractInformation           | fpml-doc-4-4.xsd            |
| partyReference           | ExerciseNotice                | fpml-shared-4-4.xsd         |
| partyReference           | PartyMessageInformation       | fpml-msg-4-4.xsd            |
| partyReference           | PartyPortfolioName            | fpml-doc-4-4.xsd            |
| partyReference           | PartyTradeInformation         | fpml-doc-4-4.xsd            |
| partyReference           | ReturnSwapEarlyTermination    | fpml-eq-shared-4-4.xsd      |
| partyReference           | TradeIdentifier               | fpml-doc-4-4.xsd            |
| payerPartyReference      | DirectionalLeg                | fpml-eq-shared-4-4.xsd      |
| payerPartyReference      | EquityPremium                 | fpml-eq-shared-4-4.xsd      |
| payerPartyReference      | ExerciseFee                   | fpml-shared-4-4.xsd         |
| payerPartyReference      | ExerciseFeeSchedule           | fpml-shared-4-4.xsd         |
| payerPartyReference      | FeaturePayment                | fpml-option-shared-4-4.xsd  |
| payerPartyReference      | FxOptionPremium               | fpml-fx-4-4.xsd             |
| payerPartyReference      | GrossCashflow                 | fpml-reconciliation-4-4.xsd |
| payerPartyReference      | IndependentAmount             | fpml-doc-4-4.xsd            |
| payerPartyReference      | InitialPayment                | fpml-cd-4-4.xsd             |
| payerPartyReference      | InterestRateStream            | fpml-ird-4-4.xsd            |
| payerPartyReference      | PassThroughItem               | fpml-option-shared-4-4.xsd  |
| payerPartyReference      | Payment                       | fpml-shared-4-4.xsd         |
| payerPartyReference      | PaymentBase                   | fpml-shared-4-4.xsd         |
| payerPartyReference      | PaymentMatching               | fpml-reconciliation-4-4.xsd |
| payerPartyReference      | PrePayment                    | fpml-eqd-4-4.xsd            |
| payerPartyReference      | PrincipalExchangeDescriptions | fpml-eq-shared-4-4.xsd      |
| payerPartyReference      | QuotablePayment               | fpml-pretrade-4-4.xsd       |
| payerPartyReference      | ReturnSwapAdditionalPayment   | fpml-eq-shared-4-4.xsd      |
| payerPartyReference      | ReturnSwapLeg                 | fpml-eq-shared-4-4.xsd      |
| payerPartyReference      | SimplePayment                 | fpml-shared-4-4.xsd         |
| paymentDatesReference    | DateRelativeToPaymentDates    | fpml-ird-4-4.xsd            |
| positionVersionReference | PositionConstituent           | fpml-valuation-4-4.xsd      |
| premiumProductReference  | Strategy                      | fpml-doc-4-4.xsd            |
| pricingInputReference    | PricingMethod                 | fpml-riskdef-4-4.xsd        |
| pricingInputReference    | SensitivitySetDefinition      | fpml-riskdef-4-4.xsd        |
| primaryObligorReference  | ReferenceObligation           | fpml-cd-4-4.xsd             |
| protectionTermsReference | ReferencePoolItem             | fpml-cd-4-4.xsd             |
| rateReference            | RateObservation               | fpml-shared-4-4.xsd         |
| receiverPartyReference   | DirectionalLeg                | fpml-eq-shared-4-4.xsd      |
| receiverPartyReference   | EquityPremium                 | fpml-eq-shared-4-4.xsd      |
| receiverPartyReference   | ExerciseFee                   | fpml-shared-4-4.xsd         |
| receiverPartyReference   | ExerciseFeeSchedule           | fpml-shared-4-4.xsd         |
| receiverPartyReference   | FeaturePayment                | fpml-option-shared-4-4.xsd  |
| receiverPartyReference   | FxOptionPremium               | fpml-fx-4-4.xsd             |
| receiverPartyReference   | GrossCashflow                 | fpml-reconciliation-4-4.xsd |
| receiverPartyReference   | IndependentAmount             | fpml-doc-4-4.xsd            |
| receiverPartyReference   | InitialPayment                | fpml-cd-4-4.xsd             |
| receiverPartyReference   | InterestRateStream            | fpml-ird-4-4.xsd            |
| receiverPartyReference   | PassThroughItem               | fpml-option-shared-4-4.xsd  |
| receiverPartyReference   | Payment                       | fpml-shared-4-4.xsd         |
| receiverPartyReference   | PaymentBase                   | fpml-shared-4-4.xsd         |
| receiverPartyReference   | PaymentMatching               | fpml-reconciliation-4-4.xsd |
| receiverPartyReference   | PrePayment                    | fpml-eqd-4-4.xsd            |
| receiverPartyReference   | PrincipalExchangeDescriptions | fpml-eq-shared-4-4.xsd      |
| receiverPartyReference   | QuotablePayment               | fpml-pretrade-4-4.xsd       |
| receiverPartyReference   | ReturnSwapAdditionalPayment   | fpml-eq-shared-4-4.xsd      |
| receiverPartyReference   | ReturnSwapLeg                 | fpml-eq-shared-4-4.xsd      |
| receiverPartyReference   | SimplePayment                 | fpml-shared-4-4.xsd         |
| referenceAmount          | LegAmount                     | fpml-eq-shared-4-4.xsd      |



|  |                                      |  |  |
|--|--------------------------------------|--|--|
| referenceBank                          | CashSettlementReferenceBanks         | fpml-shared-4-4.xsd                    |  |
| referenceBankId                        | ReferenceBank                        | fpml-shared-4-4.xsd                    |  |
| referenceBankName                      | ReferenceBank                        | fpml-shared-4-4.xsd                    |  |
| referenceCurrency                      | FxFeature                            | fpml-option-shared-4-4.xsd             |  |
| referenceCurrency                      | NonDeliverableSettlement             | fpml-ird-4-4.xsd                       |  |
| referenceEntity                        | CreditCurve                          | fpml-mktenv-4-4.xsd                    |  |
| referenceEntity                        | CreditEventNoticeDocument            | fpml-credit-event-notification-4-4.xsd |  |
| referenceEntity                        | ReferenceInformation                 | fpml-cd-4-4.xsd                        |  |
| referenceEntity                        | ReferencePair                        | fpml-cd-4-4.xsd                        |  |
| referenceEntity                        | SimpleCreditDefaultSwap              | fpml-asset-4-4.xsd                     |  |
| referenceEntity                        | TradeUnderlyer                       | fpml-reconciliation-4-4.xsd            |  |
| referenceInformation                   | GeneralTerms                         | fpml-cd-4-4.xsd                        |  |
| referenceObligation                    | ReferenceInformation                 | fpml-cd-4-4.xsd                        |  |
| referenceObligation                    | ReferencePair                        | fpml-cd-4-4.xsd                        |  |
| referencePair                          | ReferencePoolItem                    | fpml-cd-4-4.xsd                        |  |
| referencePolicy                        | ReferenceInformation                 | fpml-cd-4-4.xsd                        |  |
| referencePool                          | BasketReferenceInformation           | fpml-cd-4-4.xsd                        |  |
| referencePoolItem                      | ReferencePool                        | fpml-cd-4-4.xsd                        |  |
| referencePrice                         | ReferenceInformation                 | fpml-cd-4-4.xsd                        |  |
| referenceSwapCurve                     | BondOptionStrike                     | fpml-bond-option-4-4.xsd               |  |
| relevantUnderlyingDateReference        | FinalCalculationPeriodDateAdjustment | fpml-ird-4-4.xsd                       |  |
| replacementInputReference              | PricingInputReplacement              | fpml-riskdef-4-4.xsd                   |  |
| resetDatesReference                    | PaymentDates                         | fpml-ird-4-4.xsd                       |  |
| routingReferenceText                   | RoutingExplicitDetails               | fpml-shared-4-4.xsd                    |  |
| routingReferenceText                   | RoutingIdsAndExplicitDetails         | fpml-shared-4-4.xsd                    |  |
| sellerPartyReference                   | CancelableProvision                  | fpml-ird-4-4.xsd                       |  |
| sellerPartyReference                   | EquityDerivativeBase                 | fpml-eqd-4-4.xsd                       |  |
| sellerPartyReference                   | ExtendibleProvision                  | fpml-ird-4-4.xsd                       |  |
| sellerPartyReference                   | Fra                                  | fpml-ird-4-4.xsd                       |  |
| sellerPartyReference                   | FxAverageRateOption                  | fpml-fx-4-4.xsd                        |  |
| sellerPartyReference                   | FxDigitalOption                      | fpml-fx-4-4.xsd                        |  |
| sellerPartyReference                   | FxOptionLeg                          | fpml-fx-4-4.xsd                        |  |
| sellerPartyReference                   | GeneralTerms                         | fpml-cd-4-4.xsd                        |  |
| sellerPartyReference                   | NotifyingParty                       | fpml-option-shared-4-4.xsd             |  |
| sellerPartyReference                   | OptionBase                           | fpml-option-shared-4-4.xsd             |  |
| sellerPartyReference                   | ReturnSwapBase                       | fpml-eq-shared-4-4.xsd                 |  |
| sellerPartyReference                   | SinglePartyOption                    | fpml-ird-4-4.xsd                       |  |
| sellerPartyReference                   | Swaption                             | fpml-ird-4-4.xsd                       |  |
| settlementMethodElectingPartyReference | EquityExerciseValuationSettlement    | fpml-eqd-4-4.xsd                       |  |
| settlementTermsReference               | ReferencePoolItem                    | fpml-cd-4-4.xsd                        |  |
| strikeReference                        | CreditOptionStrike                   | fpml-cd-4-4.xsd                        |  |
| swapStreamReference                    | FinalCalculationPeriodDateAdjustment | fpml-ird-4-4.xsd                       |  |
| tradeReference                         | AffectedTransactions                 | fpml-posttrade-4-4.xsd                 |  |
| tradeReference                         | ContractCreated                      | fpml-contract-notification-4-4.xsd     |  |
| tradeReference                         | Increase                             | fpml-doc-4-4.xsd                       |  |
| tradeReference                         | PositionConstituent                  | fpml-valuation-4-4.xsd                 |  |
| tradeReference                         | Termination                          | fpml-posttrade-4-4.xsd                 |  |
| tradeReference                         | TradeErrorResponse                   | fpml-msg-4-4.xsd                       |  |
| tradeReference                         | TradeNotFound                        | fpml-msg-4-4.xsd                       |  |
| underlyerReference                     | CashflowObservation                  | fpml-reconciliation-4-4.xsd            |  |
| underlyerReference                     | DividendPeriod                       | fpml-eq-shared-4-4.xsd                 |  |
| underlyerReference                     | PassThroughItem                      | fpml-option-shared-4-4.xsd             |  |
| underlyerReference                     | UnderlyerReferenceUnits              | fpml-reconciliation-4-4.xsd            |  |
| underlyingAssetReference               | PricingStructurePoint                | fpml-mktenv-4-4.xsd                    |  |
| unknownReferenceObligation             | ReferenceInformation                 | fpml-cd-4-4.xsd                        |  |
| valuationDatesReference                | PaymentDates                         | fpml-ird-4-4.xsd                       |  |
| valuationReference                     | Valuations                           | fpml-valuation-4-4.xsd                 |  |

|                            |                          |                        |
|----------------------------|--------------------------|------------------------|
| valuationScenarioReference | SensitivityDefinition    | fpml-riskdef-4-4.xsd   |
| valuationScenarioReference | SensitivitySetDefinition | fpml-riskdef-4-4.xsd   |
| valuationScenarioReference | Valuation                | fpml-riskdef-4-4.xsd   |
| valuationScenarioReference | ValuationSet             | fpml-valuation-4-4.xsd |

## 8.3 References - Complex Types

| Component                                   | Contained In | File                               |
|---|--------------|------------------------------------|
| AccountReference                            |              | fpml-shared-4-4.xsd                |
| AccountReference                            |              | fpml-shared-4-4.xsd                |
| AmountReference                             |              | fpml-shared-4-4.xsd                |
| AmountReference                             |              | fpml-shared-4-4.xsd                |
| AnyAssetReference                           |              | fpml-asset-4-4.xsd                 |
| AnyAssetReference                           |              | fpml-asset-4-4.xsd                 |
| AssetOrTermPointOrPricingStructureReference |              | fpml-riskdef-4-4.xsd               |
| AssetOrTermPointOrPricingStructureReference |              | fpml-riskdef-4-4.xsd               |
| AssetReference                              |              | fpml-asset-4-4.xsd                 |
| AssetReference                              |              | fpml-asset-4-4.xsd                 |
| BasketReferenceInformation                  |              | fpml-cd-4-4.xsd                    |
| BondReference                               |              | fpml-ird-4-4.xsd                   |
| BusinessCentersReference                    |              | fpml-shared-4-4.xsd                |
| BusinessCentersReference                    |              | fpml-shared-4-4.xsd                |
| BusinessDayAdjustmentsReference             |              | fpml-shared-4-4.xsd                |
| BusinessDayAdjustmentsReference             |              | fpml-shared-4-4.xsd                |
| CalculationPeriodDatesReference             |              | fpml-ird-4-4.xsd                   |
| CalculationPeriodDatesReference             |              | fpml-ird-4-4.xsd                   |
| CashflowFixingReference                     |              | fpml-reconciliation-4-4.xsd        |
| CashflowFixingReference                     |              | fpml-reconciliation-4-4.xsd        |
| CashflowObservationReference                |              | fpml-reconciliation-4-4.xsd        |
| CashflowObservationReference                |              | fpml-reconciliation-4-4.xsd        |
| CashSettlementReferenceBanks                |              | fpml-shared-4-4.xsd                |
| ContractReference                           |              | fpml-doc-4-4.xsd                   |
| ContractReferenceMessage                    |              | fpml-contract-notification-4-4.xsd |
| CreditEventsReference                       |              | fpml-option-shared-4-4.xsd         |
| CreditEventsReference                       |              | fpml-option-shared-4-4.xsd         |
| DateReference                               |              | fpml-shared-4-4.xsd                |
| DateReference                               |              | fpml-shared-4-4.xsd                |
| FallbackReferencePrice                      |              | fpml-ird-4-4.xsd                   |
| FirstPeriodStartDate                        |              | fpml-doc-4-4.xsd                   |
| FixedRateReference                          |              | fpml-cd-4-4.xsd                    |
| FixedRateReference                          |              | fpml-cd-4-4.xsd                    |
| FormulaComponent                            |              | fpml-shared-4-4.xsd                |
| GenericDimension                            |              | fpml-riskdef-4-4.xsd               |
| IdentifiedCurrencyReference                 |              | fpml-shared-4-4.xsd                |
| IdentifiedCurrencyReference                 |              | fpml-shared-4-4.xsd                |
| IndexReferenceInformation                   |              | fpml-cd-4-4.xsd                    |
| InterestCalculationReference                |              | fpml-eq-shared-4-4.xsd             |
| InterestCalculationReference                |              | fpml-eq-shared-4-4.xsd             |
| InterestLegCalculationPeriodDatesReference  |              | fpml-eq-shared-4-4.xsd             |
| InterestLegCalculationPeriodDatesReference  |              | fpml-eq-shared-4-4.xsd             |
| InterestRateStreamReference                 |              | fpml-ird-4-4.xsd                   |
| InterestRateStreamReference                 |              | fpml-ird-4-4.xsd                   |
| LegalEntityReference                        |              | fpml-shared-4-4.xsd                |
| LegalEntityReference                        |              | fpml-shared-4-4.xsd                |
| MarketReference                             |              | fpml-riskdef-4-4.xsd               |
| MarketReference                             |              | fpml-riskdef-4-4.xsd               |
| NotionalAmountReference                     |              | fpml-shared-4-4.xsd                |
| NotionalAmountReference                     |              | fpml-shared-4-4.xsd                |
| PartyOrAccountReference                     |              | fpml-shared-4-4.xsd                |
| PartyOrAccountReference                     |              | fpml-shared-4-4.xsd                |
| PartyOrTradeSideReference                   |              | fpml-shared-4-4.xsd                |

|                                     |                             |
|-------------------------------------|-----------------------------|
| PartyOrTradeSideReference           | fpml-shared-4-4.xsd         |
| PartyReference                      | fpml-shared-4-4.xsd         |
| PartyReference                      | fpml-shared-4-4.xsd         |
| Payment                             | fpml-shared-4-4.xsd         |
| PaymentCalculationPeriod            | fpml-ird-4-4.xsd            |
| PaymentCurrency                     | fpml-shared-4-4.xsd         |
| PaymentDatesReference               | fpml-ird-4-4.xsd            |
| PaymentDatesReference               | fpml-ird-4-4.xsd            |
| PositionReference                   | fpml-reconciliation-4-4.xsd |
| PricingDataPointCoordinateReference | fpml-riskdef-4-4.xsd        |
| PricingDataPointCoordinateReference | fpml-riskdef-4-4.xsd        |
| PricingParameterDerivativeReference | fpml-riskdef-4-4.xsd        |
| PricingParameterDerivativeReference | fpml-riskdef-4-4.xsd        |
| PricingStructureReference           | fpml-shared-4-4.xsd         |
| PricingStructureReference           | fpml-shared-4-4.xsd         |
| ProductReference                    | fpml-shared-4-4.xsd         |
| ProductReference                    | fpml-shared-4-4.xsd         |
| ProtectionTermsReference            | fpml-cd-4-4.xsd             |
| ProtectionTermsReference            | fpml-cd-4-4.xsd             |
| RateReference                       | fpml-shared-4-4.xsd         |
| RateReference                       | fpml-shared-4-4.xsd         |
| Reference                           | fpml-shared-4-4.xsd         |
| ReferenceAmount                     | fpml-shared-4-4.xsd         |
| ReferenceBank                       | fpml-shared-4-4.xsd         |
| ReferenceBankId                     | fpml-shared-4-4.xsd         |
| ReferenceInformation                | fpml-cd-4-4.xsd             |
| ReferenceObligation                 | fpml-cd-4-4.xsd             |
| ReferencePair                       | fpml-cd-4-4.xsd             |
| ReferencePool                       | fpml-cd-4-4.xsd             |
| ReferencePoolItem                   | fpml-cd-4-4.xsd             |
| ReferenceSwapCurve                  | fpml-bond-option-4-4.xsd    |
| RelevantUnderlyingDateReference     | fpml-ird-4-4.xsd            |
| ResetDatesReference                 | fpml-ird-4-4.xsd            |
| ResetDatesReference                 | fpml-ird-4-4.xsd            |
| ScheduleReference                   | fpml-shared-4-4.xsd         |
| ScheduleReference                   | fpml-shared-4-4.xsd         |
| SensitivitySetReference             | fpml-valuation-4-4.xsd      |
| SensitivitySetReference             | fpml-valuation-4-4.xsd      |
| SettlementTermsReference            | fpml-cd-4-4.xsd             |
| SettlementTermsReference            | fpml-cd-4-4.xsd             |
| SpreadScheduleReference             | fpml-shared-4-4.xsd         |
| SpreadScheduleReference             | fpml-shared-4-4.xsd         |
| StepReference                       | fpml-reconciliation-4-4.xsd |
| StepReference                       | fpml-reconciliation-4-4.xsd |
| TradeUnderlyerReference             | fpml-reconciliation-4-4.xsd |
| TradeUnderlyerReference             | fpml-reconciliation-4-4.xsd |
| UnderlyerReferenceUnits             | fpml-reconciliation-4-4.xsd |
| ValuationDatesReference             | fpml-ird-4-4.xsd            |
| ValuationDatesReference             | fpml-ird-4-4.xsd            |
| ValuationReference                  | fpml-riskdef-4-4.xsd        |
| ValuationReference                  | fpml-riskdef-4-4.xsd        |
| ValuationScenarioReference          | fpml-riskdef-4-4.xsd        |
| ValuationScenarioReference          | fpml-riskdef-4-4.xsd        |

## 9 Option Structures

### 9.1 Option Structures - Global Elements

| Component                         | Contained In | File                     |
|-----------------------------------|--------------|--------------------------|
| americanExercise                  |              | fpml-shared-4-4.xsd      |
| americanExercise                  |              | fpml-shared-4-4.xsd      |
| bermudaExercise                   |              | fpml-shared-4-4.xsd      |
| bermudaExercise                   |              | fpml-shared-4-4.xsd      |
| bondOption                        |              | fpml-bond-option-4-4.xsd |
| brokerEquityOption                |              | fpml-eqd-4-4.xsd         |
| capFloor                          |              | fpml-ird-4-4.xsd         |
| capFloor                          |              | fpml-ird-4-4.xsd         |
| creditDefaultSwapOption           |              | fpml-cd-4-4.xsd          |
| equityOption                      |              | fpml-eqd-4-4.xsd         |
| equityOptionTransactionSupplement |              | fpml-eqd-4-4.xsd         |
| europeanExercise                  |              | fpml-shared-4-4.xsd      |
| europeanExercise                  |              | fpml-shared-4-4.xsd      |
| exercise                          |              | fpml-shared-4-4.xsd      |
| fxAverageRateOption               |              | fpml-fx-4-4.xsd          |
| fxBarrierOption                   |              | fpml-fx-4-4.xsd          |
| fxBarrierOption                   |              | fpml-fx-4-4.xsd          |
| fxDigitalOption                   |              | fpml-fx-4-4.xsd          |
| fxDigitalOption                   |              | fpml-fx-4-4.xsd          |
| fxSimpleOption                    |              | fpml-fx-4-4.xsd          |
| swaption                          |              | fpml-ird-4-4.xsd         |

## 9.2 Option Structures - Local Elements

| Component                      | Contained In                      | File                        |
|--------------------------------|-----------------------------------|-----------------------------|
| adjustedExerciseDate           | CancellationEvent                 | fpml-ird-4-4.xsd            |
| adjustedExerciseDate           | EarlyTerminationEvent             | fpml-ird-4-4.xsd            |
| adjustedExerciseDate           | ExerciseEvent                     | fpml-ird-4-4.xsd            |
| adjustedExerciseDate           | ExtensionEvent                    | fpml-ird-4-4.xsd            |
| adjustedExerciseFeePaymentDate | EarlyTerminationEvent             | fpml-ird-4-4.xsd            |
| adjustedExerciseFeePaymentDate | ExerciseEvent                     | fpml-ird-4-4.xsd            |
| automaticExercise              | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd            |
| automaticExercise              | ExerciseProcedure                 | fpml-shared-4-4.xsd         |
| barrier                        | OptionFeature                     | fpml-option-shared-4-4.xsd  |
| barrier                        | OptionFeatures                    | fpml-eq-shared-4-4.xsd      |
| barrierCap                     | Barrier                           | fpml-option-shared-4-4.xsd  |
| barrierCap                     | Barrier                           | fpml-option-shared-4-4.xsd  |
| barrierFloor                   | Barrier                           | fpml-option-shared-4-4.xsd  |
| barrierFloor                   | Barrier                           | fpml-option-shared-4-4.xsd  |
| bermudaExerciseDates           | BermudaExercise                   | fpml-shared-4-4.xsd         |
| bermudaExerciseDates           | BermudaExercise                   | fpml-shared-4-4.xsd         |
| bermudaExerciseDates           | EquityBermudaExercise             | fpml-eqd-4-4.xsd            |
| bermudaExerciseDates           | EquityBermudaExercise             | fpml-eqd-4-4.xsd            |
| capFloorStream                 | CapFloor                          | fpml-ird-4-4.xsd            |
| capFloorStream                 | CapFloor                          | fpml-ird-4-4.xsd            |
| capRate                        | FloatingRateDefinition            | fpml-ird-4-4.xsd            |
| capRateSchedule                | FloatingRate                      | fpml-shared-4-4.xsd         |
| capValue                       | CashflowFixing                    | fpml-reconciliation-4-4.xsd |
| changeInNumberOfOptions        | ChangeContractSize                | fpml-doc-4-4.xsd            |
| correlationStrikePrice         | Correlation                       | fpml-eq-shared-4-4.xsd      |
| decreaseInNumberOfOptions      | PartialTerminationAmount          | fpml-posttrade-4-4.xsd      |
| earliestExerciseDateTenor      | ExercisePeriod                    | fpml-ird-4-4.xsd            |
| earliestExerciseTime           | AmericanExercise                  | fpml-shared-4-4.xsd         |
| earliestExerciseTime           | BermudaExercise                   | fpml-shared-4-4.xsd         |
| earliestExerciseTime           | EuropeanExercise                  | fpml-shared-4-4.xsd         |
| equityAmericanExercise         | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd            |
| equityAmericanExercise         | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd            |
| equityBermudaExercise          | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd            |
| equityBermudaExercise          | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd            |
| equityEuropeanExercise         | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd            |
| equityEuropeanExercise         | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd            |
| equityExercise                 | EquityDerivativeBase              | fpml-eqd-4-4.xsd            |
| equityExpirationTime           | EquityAmericanExercise            | fpml-eqd-4-4.xsd            |
| equityExpirationTime           | EquityBermudaExercise             | fpml-eqd-4-4.xsd            |
| equityExpirationTime           | EquityEuropeanExercise            | fpml-eqd-4-4.xsd            |
| equityExpirationTimeType       | EquityAmericanExercise            | fpml-eqd-4-4.xsd            |
| equityExpirationTimeType       | EquityBermudaExercise             | fpml-eqd-4-4.xsd            |
| equityExpirationTimeType       | EquityEuropeanExercise            | fpml-eqd-4-4.xsd            |
| equityMultipleExercise         | EquityAmericanExercise            | fpml-eqd-4-4.xsd            |
| equityMultipleExercise         | EquityBermudaExercise             | fpml-eqd-4-4.xsd            |
| exerciseEvent                  | SwaptionAdjustedDates             | fpml-ird-4-4.xsd            |
| exerciseFee                    | EuropeanExercise                  | fpml-shared-4-4.xsd         |
| exerciseFeeSchedule            | AmericanExercise                  | fpml-shared-4-4.xsd         |
| exerciseFeeSchedule            | BermudaExercise                   | fpml-shared-4-4.xsd         |
| exerciseFrequency              | ExercisePeriod                    | fpml-ird-4-4.xsd            |
| exerciseNotice                 | CancelableProvision               | fpml-ird-4-4.xsd            |
| exerciseNotice                 | ExtendibleProvision               | fpml-ird-4-4.xsd            |
| exerciseNotice                 | ManualExercise                    | fpml-shared-4-4.xsd         |

|                              |                               |                             |
|------------------------------|-------------------------------|-----------------------------|
| exerciseNotice               | OptionalEarlyTermination      | fpml-ird-4-4.xsd            |
| exerciseNoticePartyReference | ExerciseNotice                | fpml-shared-4-4.xsd         |
| exerciseProcedure            | OptionBaseExtended            | fpml-option-shared-4-4.xsd  |
| exerciseProcedure            | Swaption                      | fpml-ird-4-4.xsd            |
| exerciseStyle                | FxAverageRateOption           | fpml-fx-4-4.xsd             |
| exerciseStyle                | FxOptionLeg                   | fpml-fx-4-4.xsd             |
| expiration                   | PricingDataPointCoordinate    | fpml-riskdef-4-4.xsd        |
| expirationDate               | AmericanExercise              | fpml-shared-4-4.xsd         |
| expirationDate               | EquityEuropeanExercise        | fpml-eqd-4-4.xsd            |
| expirationDate               | EuropeanExercise              | fpml-shared-4-4.xsd         |
| expirationDate               | ExchangeTradedContract        | fpml-asset-4-4.xsd          |
| expirationDate               | SharedAmericanExercise        | fpml-shared-4-4.xsd         |
| expirationDateTwo            | CalendarSpread                | fpml-option-shared-4-4.xsd  |
| expirationTime               | AmericanExercise              | fpml-shared-4-4.xsd         |
| expirationTime               | BermudaExercise               | fpml-shared-4-4.xsd         |
| expirationTime               | EuropeanExercise              | fpml-shared-4-4.xsd         |
| fallbackExercise             | ManualExercise                | fpml-shared-4-4.xsd         |
| fallbackSettlementRateOption | FallbackReferencePrice        | fpml-ird-4-4.xsd            |
| fixedStrike                  | DividendPeriodPayment         | fpml-dividend-swaps-4-4.xsd |
| floorRate                    | FloatingRateDefinition        | fpml-ird-4-4.xsd            |
| floorRateSchedule            | FloatingRate                  | fpml-shared-4-4.xsd         |
| floorValue                   | CashflowFixing                | fpml-reconciliation-4-4.xsd |
| fxAmericanTrigger            | FxDigitalOption               | fpml-fx-4-4.xsd             |
| fxBarrier                    | FxBarrierOption               | fpml-fx-4-4.xsd             |
| fxBarrierType                | FxBarrier                     | fpml-fx-4-4.xsd             |
| fxEuropeanTrigger            | FxDigitalOption               | fpml-fx-4-4.xsd             |
| fxOptionPremium              | FxAverageRateOption           | fpml-fx-4-4.xsd             |
| fxOptionPremium              | FxDigitalOption               | fpml-fx-4-4.xsd             |
| fxOptionPremium              | FxOptionLeg                   | fpml-fx-4-4.xsd             |
| fxStrikePrice                | FxAverageRateOption           | fpml-fx-4-4.xsd             |
| fxStrikePrice                | FxOptionLeg                   | fpml-fx-4-4.xsd             |
| increaseInNumberOfOptions    | Increase                      | fpml-doc-4-4.xsd            |
| integralMultipleExercise     | EquityMultipleExercise        | fpml-eqd-4-4.xsd            |
| interestShortfallCap         | InterestShortFall             | fpml-cd-4-4.xsd             |
| knock                        | OptionFeature                 | fpml-option-shared-4-4.xsd  |
| knock                        | OptionFeatures                | fpml-eq-shared-4-4.xsd      |
| knockIn                      | Knock                         | fpml-option-shared-4-4.xsd  |
| knockOut                     | Knock                         | fpml-option-shared-4-4.xsd  |
| latestExerciseTime           | AmericanExercise              | fpml-shared-4-4.xsd         |
| latestExerciseTime           | BermudaExercise               | fpml-shared-4-4.xsd         |
| latestExerciseTime           | SharedAmericanExercise        | fpml-shared-4-4.xsd         |
| latestExerciseTimeType       | EquityAmericanExercise        | fpml-eqd-4-4.xsd            |
| latestExerciseTimeType       | EquityBermudaExercise         | fpml-eqd-4-4.xsd            |
| lowerBarrier                 | BoundedVariance               | fpml-eq-shared-4-4.xsd      |
| manualExercise               | ExerciseProcedure             | fpml-shared-4-4.xsd         |
| maximumNumberOfOptions       | EquityMultipleExercise        | fpml-eqd-4-4.xsd            |
| maximumNumberOfOptions       | MultipleExercise              | fpml-shared-4-4.xsd         |
| minimumNumberOfOptions       | EquityMultipleExercise        | fpml-eqd-4-4.xsd            |
| minimumNumberOfOptions       | MultipleExercise              | fpml-shared-4-4.xsd         |
| minimumNumberOfOptions       | PartialExercise               | fpml-shared-4-4.xsd         |
| multipleExercise             | AmericanExercise              | fpml-shared-4-4.xsd         |
| multipleExercise             | BermudaExercise               | fpml-shared-4-4.xsd         |
| novatedNumberOfOptions       | ContractNovation              | fpml-doc-4-4.xsd            |
| novatedNumberOfOptions       | Novation                      | fpml-posttrade-4-4.xsd      |
| numberOfOptions              | EquityDerivativeShortFormBase | fpml-eqd-4-4.xsd            |
| numberOfOptions              | EquityOption                  | fpml-eqd-4-4.xsd            |
| numberOfOptions              | OptionBaseExtended            | fpml-option-shared-4-4.xsd  |

|                                       |                                   |  |
|---------------------------------------|-----------------------------------|--|
| optionalEarlyTermination              | EarlyTerminationProvision         | fpml-ird-4-4.xsd                       |
| optionalEarlyTermination              | EarlyTerminationProvision         | fpml-ird-4-4.xsd                       |
| optionalEarlyTermination              | EarlyTerminationProvision         | fpml-ird-4-4.xsd                       |
| optionalEarlyTermination              | EarlyTerminationProvision         | fpml-ird-4-4.xsd                       |
| optionalEarlyTerminationAdjustedDates | OptionalEarlyTermination          | fpml-ird-4-4.xsd                       |
| optionalEarlyTerminationParameters    | EarlyTerminationProvision         | fpml-ird-4-4.xsd                       |
| optionalEarlyTerminationParameters    | EarlyTerminationProvision         | fpml-ird-4-4.xsd                       |
| optionEntitlement                     | EquityOption                      | fpml-eqd-4-4.xsd                       |
| optionEntitlement                     | EquityOptionTransactionSupplement | fpml-eqd-4-4.xsd                       |
| optionEntitlement                     | OptionBaseExtended                | fpml-option-shared-4-4.xsd             |
| optionOnCurrency                      | QuotedAs                          | fpml-fx-4-4.xsd                        |
| optionsExchangeDividends              | CalculatedAmount                  | fpml-eq-shared-4-4.xsd                 |
| optionsExchangeDividends              | ReturnSwapAmount                  | fpml-eq-shared-4-4.xsd                 |
| optionsExchangeld                     | ExchangeTraded                    | fpml-asset-4-4.xsd                     |
| optionsPriceValuation                 | EquityValuation                   | fpml-eq-shared-4-4.xsd                 |
| optionType                            | EquityDerivativeBase              | fpml-eqd-4-4.xsd                       |
| optionType                            | OptionBase                        | fpml-option-shared-4-4.xsd             |
| outstandingNumberOfOptions            | ChangeContractSize                | fpml-doc-4-4.xsd                       |
| outstandingNumberOfOptions            | Increase                          | fpml-doc-4-4.xsd                       |
| outstandingNumberOfOptions            | PartialTerminationAmount          | fpml-posttrade-4-4.xsd                 |
| partialExercise                       | EuropeanExercise                  | fpml-shared-4-4.xsd                    |
| partialExerciseAmount                 | RestructuringEvent                | fpml-credit-event-notification-4-4.xsd |
| pricePerOption                        | EquityPremium                     | fpml-eq-shared-4-4.xsd                 |
| pricePerOption                        | Premium                           | fpml-option-shared-4-4.xsd             |
| settlementRateOption                  | NonDeliverableSettlement          | fpml-ird-4-4.xsd                       |
| singlePartyOption                     | OptionalEarlyTermination          | fpml-ird-4-4.xsd                       |
| sixtyBusinessDaySettlementCap         | PhysicalSettlementTerms           | fpml-cd-4-4.xsd                        |
| strike                                | BondOption                        | fpml-bond-option-4-4.xsd               |
| strike                                | CreditDefaultSwapOption           | fpml-cd-4-4.xsd                        |
| strike                                | EquityDerivativeShortFormBase     | fpml-eqd-4-4.xsd                       |
| strike                                | EquityOption                      | fpml-eqd-4-4.xsd                       |
| strike                                | PricingDataPointCoordinate        | fpml-riskdef-4-4.xsd                   |
| strikeDeterminationDate               | EquityStrike                      | fpml-eq-shared-4-4.xsd                 |
| strikeFactor                          | Asian                             | fpml-option-shared-4-4.xsd             |
| strikePercentage                      | EquityStrike                      | fpml-eq-shared-4-4.xsd                 |
| strikePercentage                      | OptionNumericStrike               | fpml-option-shared-4-4.xsd             |
| strikePrice                           | EquityStrike                      | fpml-eq-shared-4-4.xsd                 |
| strikePrice                           | OptionNumericStrike               | fpml-option-shared-4-4.xsd             |
| strikeQuoteBasis                      | FxStrikePrice                     | fpml-fx-4-4.xsd                        |
| strikeRate                            | Strike                            | fpml-shared-4-4.xsd                    |
| strikeReference                       | CreditOptionStrike                | fpml-cd-4-4.xsd                        |
| strikeSpread                          | StrategyFeature                   | fpml-option-shared-4-4.xsd             |
| swaptionAdjustedDates                 | Swaption                          | fpml-ird-4-4.xsd                       |
| swaptionStraddle                      | Swaption                          | fpml-ird-4-4.xsd                       |
| unadjustedVarianceCap                 | DeprecatedVariance                | fpml-eq-shared-4-4.xsd                 |
| unadjustedVarianceCap                 | Variance                          | fpml-eq-shared-4-4.xsd                 |
| upperBarrier                          | BoundedVariance                   | fpml-eq-shared-4-4.xsd                 |
| upperStrike                           | StrikeSpread                      | fpml-option-shared-4-4.xsd             |
| upperStrikeNumberOfOptions            | StrikeSpread                      | fpml-option-shared-4-4.xsd             |
| upperStrikeNumberOfOptions            | StrikeSpread                      | fpml-option-shared-4-4.xsd             |
| varianceCap                           | DeprecatedVariance                | fpml-eq-shared-4-4.xsd                 |
| varianceCap                           | Variance                          | fpml-eq-shared-4-4.xsd                 |
| varianceStrikePrice                   | DeprecatedVariance                | fpml-eq-shared-4-4.xsd                 |
| varianceStrikePrice                   | Variance                          | fpml-eq-shared-4-4.xsd                 |
| volatilityStrikePrice                 | DeprecatedVariance                | fpml-eq-shared-4-4.xsd                 |
| volatilityStrikePrice                 | Variance                          | fpml-eq-shared-4-4.xsd                 |
| WACCapInterestProvision               | FloatingAmountProvisions          | fpml-cd-4-4.xsd                        |



## 9.3 Option Structures - Complex Types

| Component                             | Contained In | File                       |
|---------------------------------------|--------------|----------------------------|
| AmericanExercise                      |              | fpml-shared-4-4.xsd        |
| AmericanExercise                      |              | fpml-shared-4-4.xsd        |
| AutomaticExercise                     |              | fpml-shared-4-4.xsd        |
| Barrier                               |              | fpml-option-shared-4-4.xsd |
| BermudaExercise                       |              | fpml-shared-4-4.xsd        |
| BermudaExercise                       |              | fpml-shared-4-4.xsd        |
| BondOption                            |              | fpml-bond-option-4-4.xsd   |
| BondOptionStrike                      |              | fpml-bond-option-4-4.xsd   |
| BondOptionStrike                      |              | fpml-bond-option-4-4.xsd   |
| BrokerEquityOption                    |              | fpml-eqd-4-4.xsd           |
| CapFloor                              |              | fpml-ird-4-4.xsd           |
| CapFloor                              |              | fpml-ird-4-4.xsd           |
| CreditDefaultSwapOption               |              | fpml-cd-4-4.xsd            |
| CreditOptionStrike                    |              | fpml-cd-4-4.xsd            |
| CreditOptionStrike                    |              | fpml-cd-4-4.xsd            |
| EquityAmericanExercise                |              | fpml-eqd-4-4.xsd           |
| EquityAmericanExercise                |              | fpml-eqd-4-4.xsd           |
| EquityBermudaExercise                 |              | fpml-eqd-4-4.xsd           |
| EquityBermudaExercise                 |              | fpml-eqd-4-4.xsd           |
| EquityEuropeanExercise                |              | fpml-eqd-4-4.xsd           |
| EquityEuropeanExercise                |              | fpml-eqd-4-4.xsd           |
| EquityExerciseValuationSettlement     |              | fpml-eqd-4-4.xsd           |
| EquityMultipleExercise                |              | fpml-eqd-4-4.xsd           |
| EquityOption                          |              | fpml-eqd-4-4.xsd           |
| EquityOptionTermination               |              | fpml-eqd-4-4.xsd           |
| EquityOptionTransactionSupplement     |              | fpml-eqd-4-4.xsd           |
| EquityStrike                          |              | fpml-eq-shared-4-4.xsd     |
| EuropeanExercise                      |              | fpml-shared-4-4.xsd        |
| EuropeanExercise                      |              | fpml-shared-4-4.xsd        |
| Exercise                              |              | fpml-shared-4-4.xsd        |
| ExerciseEvent                         |              | fpml-ird-4-4.xsd           |
| ExerciseFee                           |              | fpml-shared-4-4.xsd        |
| ExerciseFeeSchedule                   |              | fpml-shared-4-4.xsd        |
| ExerciseNotice                        |              | fpml-shared-4-4.xsd        |
| ExercisePeriod                        |              | fpml-ird-4-4.xsd           |
| ExerciseProcedure                     |              | fpml-shared-4-4.xsd        |
| FxAmericanTrigger                     |              | fpml-fx-4-4.xsd            |
| FxAverageRateOption                   |              | fpml-fx-4-4.xsd            |
| FxBarrier                             |              | fpml-fx-4-4.xsd            |
| FxBarrierOption                       |              | fpml-fx-4-4.xsd            |
| FxBarrierOption                       |              | fpml-fx-4-4.xsd            |
| FxDigitalOption                       |              | fpml-fx-4-4.xsd            |
| FxDigitalOption                       |              | fpml-fx-4-4.xsd            |
| FxEuropeanTrigger                     |              | fpml-fx-4-4.xsd            |
| FxOptionLeg                           |              | fpml-fx-4-4.xsd            |
| FxOptionPayout                        |              | fpml-fx-4-4.xsd            |
| FxOptionPremium                       |              | fpml-fx-4-4.xsd            |
| FxStrikePrice                         |              | fpml-fx-4-4.xsd            |
| Knock                                 |              | fpml-option-shared-4-4.xsd |
| ManualExercise                        |              | fpml-shared-4-4.xsd        |
| MultipleExercise                      |              | fpml-shared-4-4.xsd        |
| OptionalEarlyTermination              |              | fpml-ird-4-4.xsd           |
| OptionalEarlyTerminationAdjustedDates |              | fpml-ird-4-4.xsd           |

|                        |  |                            |
|------------------------|--|----------------------------|
| OptionBase             |  | fpml-option-shared-4-4.xsd |
| OptionBaseExtended     |  | fpml-option-shared-4-4.xsd |
| OptionFeature          |  | fpml-option-shared-4-4.xsd |
| OptionFeatures         |  | fpml-eq-shared-4-4.xsd     |
| OptionNumericStrike    |  | fpml-option-shared-4-4.xsd |
| OptionNumericStrike    |  | fpml-option-shared-4-4.xsd |
| OptionStrike           |  | fpml-option-shared-4-4.xsd |
| OptionStrike           |  | fpml-option-shared-4-4.xsd |
| PartialExercise        |  | fpml-shared-4-4.xsd        |
| SettlementRateOption   |  | fpml-ird-4-4.xsd           |
| SharedAmericanExercise |  | fpml-shared-4-4.xsd        |
| SharedAmericanExercise |  | fpml-shared-4-4.xsd        |
| SinglePartyOption      |  | fpml-ird-4-4.xsd           |
| Strike                 |  | fpml-shared-4-4.xsd        |
| StrikeSchedule         |  | fpml-shared-4-4.xsd        |
| StrikeSpread           |  | fpml-option-shared-4-4.xsd |
| Swaption               |  | fpml-ird-4-4.xsd           |
| SwaptionAdjustedDates  |  | fpml-ird-4-4.xsd           |

## 10 Basic Financial Structures

### 10.1 Basic Financial Structures - Global Elements

| Component           | Contained In | File                      |
|---------------------|--------------|---------------------------|
| bulletPayment       |              | fpml-ird-4-4.xsd          |
| equityLeg           |              | fpml-return-swaps-4-4.xsd |
| fxSingleLeg         |              | fpml-fx-4-4.xsd           |
| interestLeg         |              | fpml-eq-shared-4-4.xsd    |
| product             |              | fpml-shared-4-4.xsd       |
| quotableFxSingleLeg |              | fpml-pretrade-4-4.xsd     |
| quotableProduct     |              | fpml-pretrade-4-4.xsd     |
| returnLeg           |              | fpml-eq-shared-4-4.xsd    |
| returnSwapLeg       |              | fpml-eq-shared-4-4.xsd    |
| underlyingAsset     |              | fpml-asset-4-4.xsd        |
| varianceLeg         |              | fpml-eq-shared-4-4.xsd    |

## 10.2 Basic Financial Structures - Local Elements

| Component                           | Contained In                           | File                        |
|-------------------------------------|--|-----------------------------|
| additionalFixedPayments             | FloatingAmountEvents                   | fpml-cd-4-4.xsd             |
| additionalPayment                   | CapFloor                               | fpml-ird-4-4.xsd            |
| additionalPayment                   | NettedSwapBase                         | fpml-eq-shared-4-4.xsd      |
| additionalPayment                   | ReturnSwap                             | fpml-eq-shared-4-4.xsd      |
| additionalPayment                   | Swap                                   | fpml-ird-4-4.xsd            |
| additionalPaymentAmount             | ReturnSwapAdditionalPayment            | fpml-eq-shared-4-4.xsd      |
| additionalPaymentDate               | ReturnSwapAdditionalPayment            | fpml-eq-shared-4-4.xsd      |
| adjustablePaymentDate               | InitialPayment                         | fpml-cd-4-4.xsd             |
| adjustablePaymentDate               | PaymentDetail                          | fpml-doc-4-4.xsd            |
| adjustablePaymentDate               | SinglePayment                          | fpml-cd-4-4.xsd             |
| adjustedCashSettlementPaymentDate   | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| adjustedCashSettlementPaymentDate   | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| adjustedCashSettlementValuationDate | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedCashSettlementValuationDate | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedCashSettlementValuationDate | MandatoryEarlyTerminationAdjustedDates | fpml-ird-4-4.xsd            |
| adjustedExerciseFeePaymentDate      | EarlyTerminationEvent                  | fpml-ird-4-4.xsd            |
| adjustedExerciseFeePaymentDate      | ExerciseEvent                          | fpml-ird-4-4.xsd            |
| adjustedPaymentDate                 | AdjustedPaymentDates                   | fpml-cd-4-4.xsd             |
| adjustedPaymentDate                 | AllegedCashflow                        | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDate                 | AssertedCashflow                       | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDate                 | CancelTradeCashflows                   | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDate                 | InitialPayment                         | fpml-cd-4-4.xsd             |
| adjustedPaymentDate                 | Payment                                | fpml-shared-4-4.xsd         |
| adjustedPaymentDate                 | PaymentCalculationPeriod               | fpml-ird-4-4.xsd            |
| adjustedPaymentDate                 | PaymentDetail                          | fpml-doc-4-4.xsd            |
| adjustedPaymentDate                 | SinglePayment                          | fpml-cd-4-4.xsd             |
| adjustedPaymentDate                 | TradeCashflowsAsserted                 | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDate                 | TradeCashflowsProposedMatch            | fpml-reconciliation-4-4.xsd |
| adjustedPaymentDates                | PeriodicPayment                        | fpml-cd-4-4.xsd             |
| allegedCashflow                     | TradeCashflowsMatchResult              | fpml-reconciliation-4-4.xsd |
| allegedCashflow                     | TradeCashflowsMatchResult              | fpml-reconciliation-4-4.xsd |
| allegedPosition                     | PositionMatchResult                    | fpml-reconciliation-4-4.xsd |
| assertedCashflow                    | TradeCashflowsMatchResult              | fpml-reconciliation-4-4.xsd |
| averageRateObservationDate          | FxAverageRateOption                    | fpml-fx-4-4.xsd             |
| averageRateObservationSchedule      | FxAverageRateOption                    | fpml-fx-4-4.xsd             |
| capFloorStream                      | CapFloor                               | fpml-ird-4-4.xsd            |
| cashflowAmount                      | GrossCashflow                          | fpml-reconciliation-4-4.xsd |
| cashflowId                          | GrossCashflow                          | fpml-reconciliation-4-4.xsd |
| cashflows                           | InterestRateStream                     | fpml-ird-4-4.xsd            |
| cashflowsMatchParameters            | Cashflows                              | fpml-ird-4-4.xsd            |
| cashFlowType                        | BasicQuotation                         | fpml-asset-4-4.xsd          |
| cashFlowType                        | GrossCashflow                          | fpml-reconciliation-4-4.xsd |
| cashFlowType                        | MultiDimensionalPricingData            | fpml-mktenv-4-4.xsd         |
| cashFlowType                        | PricingStructurePoint                  | fpml-mktenv-4-4.xsd         |
| cashFlowType                        | Quotation                              | fpml-valuation-4-4.xsd      |
| cashFlowType                        | QuotationCharacteristics               | fpml-asset-4-4.xsd          |
| cashSettlement                      | MandatoryEarlyTermination              | fpml-ird-4-4.xsd            |
| cashSettlement                      | OptionalEarlyTermination               | fpml-ird-4-4.xsd            |
| cashSettlement                      | ReturnSwapAmount                       | fpml-eq-shared-4-4.xsd      |

|                              |                                   |                                |
|------------------------------|-----------------------------------|--------------------------------|
| cashSettlement               | Swaption                          | fpml-ird-4-4.xsd               |
| cashSettlementAmount         | CashSettlementTerms               | fpml-cd-4-4.xsd                |
| cashSettlementBusinessDays   | CashSettlementTerms               | fpml-cd-4-4.xsd                |
| cashSettlementCurrency       | CashPriceMethod                   | fpml-ird-4-4.xsd               |
| cashSettlementPaymentDate    | CashSettlement                    | fpml-ird-4-4.xsd               |
| cashSettlementPaymentDate    | CashSettlement                    | fpml-ird-4-4.xsd               |
| cashSettlementPaymentDate    | DeprecatedVarianceAmount          | fpml-eq-shared-4-4.xsd         |
| cashSettlementPaymentDate    | DeprecatedVarianceAmount          | fpml-eq-shared-4-4.xsd         |
| cashSettlementReferenceBanks | CashPriceMethod                   | fpml-ird-4-4.xsd               |
| cashSettlementReferenceBanks | SettlementRateSource              | fpml-shared-4-4.xsd            |
| cashSettlementTerms          | CreditDefaultSwap                 | fpml-cd-4-4.xsd                |
| cashSettlementTerms          | FxOptionLeg                       | fpml-fx-4-4.xsd                |
| cashSettlementValuationDate  | CashSettlement                    | fpml-ird-4-4.xsd               |
| cashSettlementValuationTime  | CashSettlement                    | fpml-ird-4-4.xsd               |
| correlationLeg               | CorrelationSwap                   | fpml-correlation-swaps-4-4.xsd |
| couponPayment                | BasketConstituent                 | fpml-asset-4-4.xsd             |
| couponPayment                | SingleUnderlyer                   | fpml-asset-4-4.xsd             |
| dateRelativeToPaymentDates   | FxFixingDate                      | fpml-ird-4-4.xsd               |
| dayCountFraction             | Bond                              | fpml-asset-4-4.xsd             |
| dayCountFraction             | Calculation                       | fpml-ird-4-4.xsd               |
| dayCountFraction             | CashflowCalculationPeriod         | fpml-reconciliation-4-4.xsd    |
| dayCountFraction             | Deposit                           | fpml-asset-4-4.xsd             |
| dayCountFraction             | FixedAmountCalculation            | fpml-cd-4-4.xsd                |
| dayCountFraction             | Fra                               | fpml-ird-4-4.xsd               |
| dayCountFraction             | InterestCalculation               | fpml-eq-shared-4-4.xsd         |
| dayCountFraction             | Mortgage                          | fpml-asset-4-4.xsd             |
| dayCountFraction             | RateIndex                         | fpml-asset-4-4.xsd             |
| dayCountFraction             | SimpleFra                         | fpml-asset-4-4.xsd             |
| dayCountFraction             | SimpleIRSwap                      | fpml-asset-4-4.xsd             |
| dayCountFraction             | TermDeposit                       | fpml-fx-4-4.xsd                |
| dayCountYearFraction         | CalculationPeriod                 | fpml-ird-4-4.xsd               |
| dayCountYearFraction         | CashflowCalculationPeriod         | fpml-reconciliation-4-4.xsd    |
| discountRateDayCountFraction | Discounting                       | fpml-ird-4-4.xsd               |
| dividendLeg                  | DividendSwapTransactionSupplement | fpml-dividend-swaps-4-4.xsd    |
| dividendPayment              | DividendPayout                    | fpml-asset-4-4.xsd             |
| dividendPaymentDate          | DividendConditions                | fpml-shared-4-4.xsd            |
| drawdownPayment              | DrawdownNotice                    | fpml-loan-4-4.xsd              |
| equityPaymentDateFinal       | DeprecatedEquityPaymentDates      | fpml-return-swaps-4-4.xsd      |
| equityPaymentDates           | DeprecatedEquityLegValuation      | fpml-return-swaps-4-4.xsd      |
| equityPaymentDatesInterim    | DeprecatedEquityPaymentDates      | fpml-return-swaps-4-4.xsd      |
| facilityRepayment            | Repayment                         | fpml-loan-4-4.xsd              |
| fallbackSettlementRateOption | FallbackReferencePrice            | fpml-ird-4-4.xsd               |
| featurePayment               | TriggerEvent                      | fpml-option-shared-4-4.xsd     |
| featurePaymentDate           | FeaturePayment                    | fpml-option-shared-4-4.xsd     |
| feeLeg                       | CreditDefaultSwap                 | fpml-cd-4-4.xsd                |
| feePayment                   | OneOffFeeNotice                   | fpml-loan-4-4.xsd              |
| feePayment                   | OnGoingFeeNotice                  | fpml-loan-4-4.xsd              |
| feePaymentDate               | ExerciseFee                       | fpml-shared-4-4.xsd            |
| feePaymentDate               | ExerciseFeeSchedule               | fpml-shared-4-4.xsd            |
| firstPaymentDate             | PaymentDates                      | fpml-ird-4-4.xsd               |
| firstPaymentDate             | PeriodicPayment                   | fpml-cd-4-4.xsd                |
| fixedLeg                     | DividendSwapTransactionSupplement | fpml-dividend-swaps-4-4.xsd    |
| fixedPayment                 | FixedPaymentLeg                   | fpml-dividend-swaps-4-4.xsd    |
| fixedPaymentAmount           | PaymentCalculationPeriod          | fpml-ird-4-4.xsd               |
| forecastPaymentAmount        | PaymentCalculationPeriod          | fpml-ird-4-4.xsd               |
| grossCashflow                | CalculationDetails                | fpml-reconciliation-4-4.xsd    |
| initialPayment               | FeeLeg                            | fpml-cd-4-4.xsd                |

|                                   |                                   |                             |
|-----------------------------------|-----------------------------------|-----------------------------|
| interestLegCalculationPeriodDates | InterestLeg                       | fpml-eq-shared-4-4.xsd      |
| interestLegPaymentDates           | InterestLegCalculationPeriodDates | fpml-eq-shared-4-4.xsd      |
| interestLegPaymentDates           | InterestLegCalculationPeriodDates | fpml-eq-shared-4-4.xsd      |
| interestLegRate                   | CompoundingRate                   | fpml-eq-shared-4-4.xsd      |
| interestLegResetDates             | InterestLegCalculationPeriodDates | fpml-eq-shared-4-4.xsd      |
| interestPaidWithRepayment         | LoanContractRepayment             | fpml-loan-4-4.xsd           |
| interestPayment                   | InterestPaymentNotice             | fpml-loan-4-4.xsd           |
| interestPaymentTenor              | LoanContract                      | fpml-loan-4-4.xsd           |
| lastRegularPaymentDate            | PaymentDates                      | fpml-ird-4-4.xsd            |
| lastRegularPaymentDate            | PeriodicPayment                   | fpml-cd-4-4.xsd             |
| loanContractRepayment             | Repayment                         | fpml-loan-4-4.xsd           |
| nextInterestPaymentDate           | LoanContract                      | fpml-loan-4-4.xsd           |
| nonDeliverableSettlement          | SettlementProvision               | fpml-ird-4-4.xsd            |
| observationDate                   | CashflowObservation               | fpml-reconciliation-4-4.xsd |
| observationDate                   | FxAverageRateObservationDate      | fpml-fx-4-4.xsd             |
| observationDate                   | ObservedRates                     | fpml-fx-4-4.xsd             |
| observationElements               | CalculationDetails                | fpml-reconciliation-4-4.xsd |
| observationEndDate                | FxAmericanTrigger                 | fpml-fx-4-4.xsd             |
| observationEndDate                | FxAverageRateObservationSchedule  | fpml-fx-4-4.xsd             |
| observationEndDate                | FxBarrier                         | fpml-fx-4-4.xsd             |
| observationReference              | CashflowFixing                    | fpml-reconciliation-4-4.xsd |
| observationStartDate              | CalculatedAmount                  | fpml-eq-shared-4-4.xsd      |
| observationStartDate              | DeprecatedVarianceAmount          | fpml-eq-shared-4-4.xsd      |
| observationStartDate              | FxAmericanTrigger                 | fpml-fx-4-4.xsd             |
| observationStartDate              | FxAverageRateObservationSchedule  | fpml-fx-4-4.xsd             |
| observationStartDate              | FxBarrier                         | fpml-fx-4-4.xsd             |
| observationWeight                 | RateObservation                   | fpml-shared-4-4.xsd         |
| otherPartyPayment                 | Contract                          | fpml-doc-4-4.xsd            |
| otherPartyPayment                 | Trade                             | fpml-doc-4-4.xsd            |
| partialCashSettlement             | PCDeliverableObligationCharac     | fpml-cd-4-4.xsd             |
| payment                           | AllegedCashflow                   | fpml-reconciliation-4-4.xsd |
| payment                           | Amendment                         | fpml-doc-4-4.xsd            |
| payment                           | AssertedCashflow                  | fpml-reconciliation-4-4.xsd |
| payment                           | BulletPayment                     | fpml-ird-4-4.xsd            |
| payment                           | CancelTradeCashflows              | fpml-reconciliation-4-4.xsd |
| payment                           | ChangeContract                    | fpml-doc-4-4.xsd            |
| payment                           | ContractNovation                  | fpml-doc-4-4.xsd            |
| payment                           | Increase                          | fpml-doc-4-4.xsd            |
| payment                           | Novation                          | fpml-posttrade-4-4.xsd      |
| payment                           | TermDeposit                       | fpml-fx-4-4.xsd             |
| payment                           | Termination                       | fpml-posttrade-4-4.xsd      |
| payment                           | TradeCashflowsAsserted            | fpml-reconciliation-4-4.xsd |
| payment                           | TradeCashflowsProposedMatch       | fpml-reconciliation-4-4.xsd |
| paymentAmount                     | AdditionalPaymentAmount           | fpml-eq-shared-4-4.xsd      |
| paymentAmount                     | AdjustedPaymentDates              | fpml-cd-4-4.xsd             |
| paymentAmount                     | EquityPremium                     | fpml-eq-shared-4-4.xsd      |
| paymentAmount                     | FixedPaymentAmount                | fpml-dividend-swaps-4-4.xsd |
| paymentAmount                     | InitialPayment                    | fpml-cd-4-4.xsd             |
| paymentAmount                     | NonNegativePayment                | fpml-shared-4-4.xsd         |
| paymentAmount                     | Payment                           | fpml-shared-4-4.xsd         |
| paymentAmount                     | PaymentDetail                     | fpml-doc-4-4.xsd            |
| paymentAmount                     | PaymentDetail                     | fpml-doc-4-4.xsd            |
| paymentAmount                     | PaymentMatching                   | fpml-reconciliation-4-4.xsd |
| paymentAmount                     | PositivePayment                   | fpml-shared-4-4.xsd         |
| paymentAmount                     | QuotablePayment                   | fpml-pretrade-4-4.xsd       |
| paymentAmount                     | SimplePayment                     | fpml-shared-4-4.xsd         |
| paymentCalculationPeriod          | Cashflows                         | fpml-ird-4-4.xsd            |

|                          |                                   |                             |
|--------------------------|-----------------------------------|-----------------------------|
| paymentCurrency          | DividendConditions                | fpml-shared-4-4.xsd         |
| paymentCurrency          | LegAmount                         | fpml-eq-shared-4-4.xsd      |
| paymentDate              | DividendPeriodPayment             | fpml-dividend-swaps-4-4.xsd |
| paymentDate              | DrawdownPayment                   | fpml-loan-4-4.xsd           |
| paymentDate              | EquityPremium                     | fpml-eq-shared-4-4.xsd      |
| paymentDate              | FixedPaymentAmount                | fpml-dividend-swaps-4-4.xsd |
| paymentDate              | Fra                               | fpml-ird-4-4.xsd            |
| paymentDate              | InterestPayment                   | fpml-loan-4-4.xsd           |
| paymentDate              | OneOffFeePayment                  | fpml-loan-4-4.xsd           |
| paymentDate              | OnGoingFeePayment                 | fpml-loan-4-4.xsd           |
| paymentDate              | Payment                           | fpml-shared-4-4.xsd         |
| paymentDate              | PaymentBase                       | fpml-shared-4-4.xsd         |
| paymentDate              | PaymentDetail                     | fpml-doc-4-4.xsd            |
| paymentDate              | PendingPayment                    | fpml-asset-4-4.xsd          |
| paymentDate              | QuotablePayment                   | fpml-pretrade-4-4.xsd       |
| paymentDate              | SimplePayment                     | fpml-shared-4-4.xsd         |
| paymentDateFinal         | ReturnSwapPaymentDates            | fpml-eq-shared-4-4.xsd      |
| paymentDateOffset        | DividendPaymentDate               | fpml-shared-4-4.xsd         |
| paymentDates             | InterestRateStream                | fpml-ird-4-4.xsd            |
| paymentDates             | ReturnLegValuation                | fpml-eq-shared-4-4.xsd      |
| paymentDatesAdjustments  | PaymentDates                      | fpml-ird-4-4.xsd            |
| paymentDatesInterim      | ReturnSwapPaymentDates            | fpml-eq-shared-4-4.xsd      |
| paymentDatesReference    | DateRelativeToPaymentDates        | fpml-ird-4-4.xsd            |
| paymentDaysOffset        | PaymentDates                      | fpml-ird-4-4.xsd            |
| paymentDelay             | FeeLeg                            | fpml-cd-4-4.xsd             |
| paymentDetail            | IndependentAmount                 | fpml-doc-4-4.xsd            |
| paymentFrequency         | Bond                              | fpml-asset-4-4.xsd          |
| paymentFrequency         | Deposit                           | fpml-asset-4-4.xsd          |
| paymentFrequency         | Mortgage                          | fpml-asset-4-4.xsd          |
| paymentFrequency         | PaymentDates                      | fpml-ird-4-4.xsd            |
| paymentFrequency         | PeriodicPayment                   | fpml-cd-4-4.xsd             |
| paymentFrequency         | RateIndex                         | fpml-asset-4-4.xsd          |
| paymentFrequency         | ReturnSwapLeg                     | fpml-eq-shared-4-4.xsd      |
| paymentFrequency         | SimpleCreditDefaultSwap           | fpml-asset-4-4.xsd          |
| paymentFrequency         | SimpleIRSwap                      | fpml-asset-4-4.xsd          |
| paymentPercent           | PercentageRule                    | fpml-doc-4-4.xsd            |
| paymentRequirement       | FailureToPay                      | fpml-option-shared-4-4.xsd  |
| paymentRule              | PaymentDetail                     | fpml-doc-4-4.xsd            |
| paymentType              | ClassifiedPayment                 | fpml-option-shared-4-4.xsd  |
| paymentType              | Payment                           | fpml-shared-4-4.xsd         |
| paymentType              | ReturnSwapAdditionalPayment       | fpml-eq-shared-4-4.xsd      |
| periodicPayment          | FeeLeg                            | fpml-cd-4-4.xsd             |
| physicalSettlement       | CreditDerivativesNotices          | fpml-doc-4-4.xsd            |
| physicalSettlementPeriod | PhysicalSettlementTerms           | fpml-cd-4-4.xsd             |
| physicalSettlementTerms  | CreditDefaultSwap                 | fpml-cd-4-4.xsd             |
| premiumProductReference  | Strategy                          | fpml-doc-4-4.xsd            |
| premiumSettlementDate    | FxOptionPremium                   | fpml-fx-4-4.xsd             |
| prePayment               | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd            |
| prePayment               | PrePayment                        | fpml-eqd-4-4.xsd            |
| prePaymentAmount         | PrePayment                        | fpml-eqd-4-4.xsd            |
| prePaymentDate           | PrePayment                        | fpml-eqd-4-4.xsd            |
| productId                | Product                           | fpml-shared-4-4.xsd         |
| productId                | QuotableProduct                   | fpml-pretrade-4-4.xsd       |
| productType              | Product                           | fpml-shared-4-4.xsd         |
| productType              | QuotableProduct                   | fpml-pretrade-4-4.xsd       |
| productType              | TradeDetails                      | fpml-reconciliation-4-4.xsd |
| rateObservation          | FloatingRateDefinition            | fpml-ird-4-4.xsd            |

|  |                                      |                             |
|--|--------------------------------------|-----------------------------|
| relevantUnderlyingDate                     | AmericanExercise                     | fpml-shared-4-4.xsd         |
| relevantUnderlyingDate                     | BermudaExercise                      | fpml-shared-4-4.xsd         |
| relevantUnderlyingDate                     | EuropeanExercise                     | fpml-shared-4-4.xsd         |
| relevantUnderlyingDateReference            | FinalCalculationPeriodDateAdjustment | fpml-ird-4-4.xsd            |
| repayment                                  | RepaymentNotice                      | fpml-loan-4-4.xsd           |
| repaymentDate                              | FacilityRepayment                    | fpml-loan-4-4.xsd           |
| settlementAmount                           | DirectionalLegUnderlyer              | fpml-eq-shared-4-4.xsd      |
| settlementAmount                           | EquityOptionTermination              | fpml-eqd-4-4.xsd            |
| settlementAmount                           | OptionBaseExtended                   | fpml-option-shared-4-4.xsd  |
| settlementAmountPaymentDate                | EquityOptionTermination              | fpml-eqd-4-4.xsd            |
| settlementAmountPaymentDate                | EquityOptionTermination              | fpml-eqd-4-4.xsd            |
| settlementCurrency                         | DirectionalLegUnderlyer              | fpml-eq-shared-4-4.xsd      |
| settlementCurrency                         | EquityExerciseValuationSettlement    | fpml-eqd-4-4.xsd            |
| settlementCurrency                         | FxCashSettlement                     | fpml-shared-4-4.xsd         |
| settlementCurrency                         | OptionBaseExtended                   | fpml-option-shared-4-4.xsd  |
| settlementCurrency                         | SettlementProvision                  | fpml-ird-4-4.xsd            |
| settlementCurrency                         | SettlementTerms                      | fpml-cd-4-4.xsd             |
| settlementCurrencyYieldCurve               | FxCurveValuation                     | fpml-mktenv-4-4.xsd         |
| settlementDate                             | DirectionalLegUnderlyer              | fpml-eq-shared-4-4.xsd      |
| settlementDate                             | EquityExerciseValuationSettlement    | fpml-eqd-4-4.xsd            |
| settlementDate                             | OptionBaseExtended                   | fpml-option-shared-4-4.xsd  |
| settlementInformation                      | FxOptionPayout                       | fpml-fx-4-4.xsd             |
| settlementInformation                      | FxOptionPremium                      | fpml-fx-4-4.xsd             |
| settlementInformation                      | Payment                              | fpml-shared-4-4.xsd         |
| settlementInstruction                      | SettlementInformation                | fpml-shared-4-4.xsd         |
| settlementMethod                           | SettlementInstruction                | fpml-shared-4-4.xsd         |
| settlementMethodElectingPartyReference     | EquityExerciseValuationSettlement    | fpml-eqd-4-4.xsd            |
| settlementMethodElectionDate               | EquityExerciseValuationSettlement    | fpml-eqd-4-4.xsd            |
| settlementPriceSource                      | EquityExerciseValuationSettlement    | fpml-eqd-4-4.xsd            |
| settlementProvision                        | InterestRateStream                   | fpml-ird-4-4.xsd            |
| settlementRateOption                       | NonDeliverableSettlement             | fpml-ird-4-4.xsd            |
| settlementRateSource                       | YieldCurveMethod                     | fpml-ird-4-4.xsd            |
| settlementTermsReference                   | ReferencePoolItem                    | fpml-cd-4-4.xsd             |
| settlementType                             | DirectionalLegUnderlyer              | fpml-eq-shared-4-4.xsd      |
| settlementType                             | EquityExerciseValuationSettlement    | fpml-eqd-4-4.xsd            |
| settlementType                             | OptionBaseExtended                   | fpml-option-shared-4-4.xsd  |
| singlePayment                              | FeeLeg                               | fpml-cd-4-4.xsd             |
| sixtyBusinessDaySettlementCap              | PhysicalSettlementTerms              | fpml-cd-4-4.xsd             |
| splitSettlement                            | SettlementInstruction                | fpml-shared-4-4.xsd         |
| splitSettlementAmount                      | SplitSettlement                      | fpml-shared-4-4.xsd         |
| standardSettlementStyle                    | SettlementInformation                | fpml-shared-4-4.xsd         |
| swapStream                                 | Swap                                 | fpml-ird-4-4.xsd            |
| swapStreamReference                        | FinalCalculationPeriodDateAdjustment | fpml-ird-4-4.xsd            |
| tradeCashflowsId                           | AllegedCashflow                      | fpml-reconciliation-4-4.xsd |
| tradeCashflowsId                           | AssertedCashflow                     | fpml-reconciliation-4-4.xsd |
| tradeCashflowsId                           | CancelTradeCashflows                 | fpml-reconciliation-4-4.xsd |
| tradeCashflowsId                           | TradeCashflowsAsserted               | fpml-reconciliation-4-4.xsd |
| tradeCashflowsId                           | TradeCashflowsProposedMatch          | fpml-reconciliation-4-4.xsd |
| unadjustedPaymentDate                      | PaymentCalculationPeriod             | fpml-ird-4-4.xsd            |
| underlyingAssetReference                   | PricingStructurePoint                | fpml-mktenv-4-4.xsd         |
| underlyingEquity                           | ConvertibleBond                      | fpml-asset-4-4.xsd          |
| varianceLeg                                | VarianceSwap                         | fpml-variance-swaps-4-4.xsd |
| varyingNotionalInterimExchangePaymentDates | FxLinkedNotionalSchedule             | fpml-ird-4-4.xsd            |



## 10.3 Basic Financial Structures - Complex Types

| Component                         | Contained In | File                           |
|-----------------------------------|--------------|--------------------------------|
| AdditionalFixedPayments           |              | fpml-cd-4-4.xsd                |
| AdditionalPaymentAmount           |              | fpml-eq-shared-4-4.xsd         |
| AdjustedPaymentDates              |              | fpml-cd-4-4.xsd                |
| AllegedCashflow                   |              | fpml-reconciliation-4-4.xsd    |
| AllegedCashflow                   |              | fpml-reconciliation-4-4.xsd    |
| AssertedCashflow                  |              | fpml-reconciliation-4-4.xsd    |
| BulletPayment                     |              | fpml-ird-4-4.xsd               |
| CalculationFromObservation        |              | fpml-eq-shared-4-4.xsd         |
| CancelTradeCashflows              |              | fpml-reconciliation-4-4.xsd    |
| CashflowCalculationElements       |              | fpml-reconciliation-4-4.xsd    |
| CashflowCalculationPeriod         |              | fpml-reconciliation-4-4.xsd    |
| CashflowFixing                    |              | fpml-reconciliation-4-4.xsd    |
| CashflowFixingReference           |              | fpml-reconciliation-4-4.xsd    |
| CashflowId                        |              | fpml-reconciliation-4-4.xsd    |
| CashflowNotional                  |              | fpml-reconciliation-4-4.xsd    |
| CashflowObservation               |              | fpml-reconciliation-4-4.xsd    |
| CashflowObservation               |              | fpml-reconciliation-4-4.xsd    |
| CashflowObservationReference      |              | fpml-reconciliation-4-4.xsd    |
| CashflowObservationReference      |              | fpml-reconciliation-4-4.xsd    |
| Cashflows                         |              | fpml-ird-4-4.xsd               |
| CashflowType                      |              | fpml-shared-4-4.xsd            |
| CashSettlement                    |              | fpml-ird-4-4.xsd               |
| CashSettlementPaymentDate         |              | fpml-ird-4-4.xsd               |
| CashSettlementPaymentDate         |              | fpml-ird-4-4.xsd               |
| CashSettlementReferenceBanks      |              | fpml-shared-4-4.xsd            |
| CashSettlementTerms               |              | fpml-cd-4-4.xsd                |
| ClassifiedPayment                 |              | fpml-option-shared-4-4.xsd     |
| CorrelationLeg                    |              | fpml-correlation-swaps-4-4.xsd |
| DateRelativeToPaymentDates        |              | fpml-ird-4-4.xsd               |
| DayCountFraction                  |              | fpml-shared-4-4.xsd            |
| DeprecatedEquityLeg               |              | fpml-return-swaps-4-4.xsd      |
| DeprecatedEquityLegValuation      |              | fpml-return-swaps-4-4.xsd      |
| DeprecatedEquityLegValuationPrice |              | fpml-return-swaps-4-4.xsd      |
| DeprecatedEquityPaymentDates      |              | fpml-return-swaps-4-4.xsd      |
| DeprecatedVarianceLeg             |              | fpml-eq-shared-4-4.xsd         |
| DirectionalLeg                    |              | fpml-eq-shared-4-4.xsd         |
| DirectionalLegUnderlyer           |              | fpml-eq-shared-4-4.xsd         |
| DirectionalLegUnderlyerValuation  |              | fpml-eq-shared-4-4.xsd         |
| DividendLeg                       |              | fpml-dividend-swaps-4-4.xsd    |
| DividendPaymentDate               |              | fpml-shared-4-4.xsd            |
| DividendPeriodPayment             |              | fpml-dividend-swaps-4-4.xsd    |
| DrawdownPayment                   |              | fpml-loan-4-4.xsd              |
| EquityExerciseValuationSettlement |              | fpml-eqd-4-4.xsd               |
| FacilityRepayment                 |              | fpml-loan-4-4.xsd              |
| FeaturePayment                    |              | fpml-option-shared-4-4.xsd     |
| FeeLeg                            |              | fpml-cd-4-4.xsd                |
| FixedPaymentAmount                |              | fpml-dividend-swaps-4-4.xsd    |
| FixedPaymentLeg                   |              | fpml-dividend-swaps-4-4.xsd    |
| FixedPaymentLeg                   |              | fpml-dividend-swaps-4-4.xsd    |
| FxAverageRateObservationDate      |              | fpml-fx-4-4.xsd                |
| FxAverageRateObservationSchedule  |              | fpml-fx-4-4.xsd                |
| FxCashSettlement                  |              | fpml-shared-4-4.xsd            |
| FxLeg                             |              | fpml-fx-4-4.xsd                |

|  |                                     |
|--|-------------------------------------|
| FxOptionLeg                                | fpml-fx-4-4.xsd                     |
| GrossCashflow                              | fpml-reconciliation-4-4.xsd         |
| InitialPayment                             | fpml-cd-4-4.xsd                     |
| InterestLeg                                | fpml-eq-shared-4-4.xsd              |
| InterestLegCalculationPeriodDates          | fpml-eq-shared-4-4.xsd              |
| InterestLegCalculationPeriodDatesReference | fpml-eq-shared-4-4.xsd              |
| InterestLegResetDates                      | fpml-eq-shared-4-4.xsd              |
| InterestPayment                            | fpml-loan-4-4.xsd                   |
| InterestPaymentNotice                      | fpml-loan-4-4.xsd                   |
| InterestRateStream                         | fpml-ird-4-4.xsd                    |
| InterestRateStreamReference                | fpml-ird-4-4.xsd                    |
| Leg  | fpml-shared-4-4.xsd                 |
| LegalEntity                                | fpml-shared-4-4.xsd                 |
| LegalEntityReference                       | fpml-shared-4-4.xsd                 |
| LegAmount                                  | fpml-eq-shared-4-4.xsd              |
| LoanContractRepayment                      | fpml-loan-4-4.xsd                   |
| NonDeliverableSettlement                   | fpml-ird-4-4.xsd                    |
| NonNegativePayment                         | fpml-shared-4-4.xsd                 |
| NovationAlleged                            | fpml-posttrade-confirmation-4-4.xsd |
| OneOffFeePayment                           | fpml-loan-4-4.xsd                   |
| OnGoingFeePayment                          | fpml-loan-4-4.xsd                   |
| Payment                                    | fpml-shared-4-4.xsd                 |
| PaymentBase                                | fpml-shared-4-4.xsd                 |
| PaymentCalculationPeriod                   | fpml-ird-4-4.xsd                    |
| PaymentCurrency                            | fpml-shared-4-4.xsd                 |
| PaymentDates                               | fpml-ird-4-4.xsd                    |
| PaymentDatesReference                      | fpml-ird-4-4.xsd                    |
| PaymentDetail                              | fpml-doc-4-4.xsd                    |
| PaymentId                                  | fpml-reconciliation-4-4.xsd         |
| PaymentMatching                            | fpml-reconciliation-4-4.xsd         |
| PaymentRule                                | fpml-doc-4-4.xsd                    |
| PaymentType                                | fpml-shared-4-4.xsd                 |
| PendingPayment                             | fpml-asset-4-4.xsd                  |
| PeriodicPayment                            | fpml-cd-4-4.xsd                     |
| PhysicalSettlementPeriod                   | fpml-cd-4-4.xsd                     |
| PhysicalSettlementTerms                    | fpml-cd-4-4.xsd                     |
| PositivePayment                            | fpml-shared-4-4.xsd                 |
| PrePayment                                 | fpml-eqd-4-4.xsd                    |
| Product                                    | fpml-shared-4-4.xsd                 |
| ProductId                                  | fpml-shared-4-4.xsd                 |
| ProductReference                           | fpml-shared-4-4.xsd                 |
| ProductType                                | fpml-shared-4-4.xsd                 |
| QuotableFxLeg                              | fpml-pretrade-4-4.xsd               |
| QuotablePayment                            | fpml-pretrade-4-4.xsd               |
| QuotableProduct                            | fpml-pretrade-4-4.xsd               |
| RateObservation                            | fpml-shared-4-4.xsd                 |
| RelevantUnderlyingDateReference            | fpml-ird-4-4.xsd                    |
| Repayment                                  | fpml-loan-4-4.xsd                   |
| RepaymentNotice                            | fpml-loan-4-4.xsd                   |
| ReturnLeg                                  | fpml-eq-shared-4-4.xsd              |
| ReturnLegValuation                         | fpml-eq-shared-4-4.xsd              |
| ReturnLegValuationPrice                    | fpml-eq-shared-4-4.xsd              |
| ReturnSwapAdditionalPayment                | fpml-eq-shared-4-4.xsd              |
| ReturnSwapLeg                              | fpml-eq-shared-4-4.xsd              |
| ReturnSwapLegUnderlyer                     | fpml-eq-shared-4-4.xsd              |
| ReturnSwapPaymentDates                     | fpml-eq-shared-4-4.xsd              |
| SettlementInformation                      | fpml-shared-4-4.xsd                 |

|                             |  |                              |
|-----------------------------|--|------------------------------|
| SettlementInstruction       |  | fpml-shared-4-4.xsd          |
| SettlementMethod            |  | fpml-shared-4-4.xsd          |
| SettlementPriceSource       |  | fpml-shared-4-4.xsd          |
| SettlementProvision         |  | fpml-ird-4-4.xsd             |
| SettlementRateOption        |  | fpml-ird-4-4.xsd             |
| SettlementRateSource        |  | fpml-shared-4-4.xsd          |
| SettlementTerms             |  | fpml-cd-4-4.xsd              |
| SettlementTermsReference    |  | fpml-cd-4-4.xsd              |
| SimplePayment               |  | fpml-shared-4-4.xsd          |
| SinglePayment               |  | fpml-cd-4-4.xsd              |
| SplitSettlement             |  | fpml-shared-4-4.xsd          |
| TradeAlleged                |  | fpml-matching-status-4-4.xsd |
| TradeCashflowsAsserted      |  | fpml-reconciliation-4-4.xsd  |
| TradeCashflowsId            |  | fpml-reconciliation-4-4.xsd  |
| TradeCashflowsMatchResult   |  | fpml-reconciliation-4-4.xsd  |
| TradeCashflowsProposedMatch |  | fpml-reconciliation-4-4.xsd  |
| TradeCashflowsStatus        |  | fpml-reconciliation-4-4.xsd  |
| UnderlyingAsset             |  | fpml-asset-4-4.xsd           |
| UnderlyingAssetTranche      |  | fpml-asset-4-4.xsd           |
| VarianceLeg                 |  | fpml-variance-swaps-4-4.xsd  |

## **11 Products**

### ***11.1 Products - Global Elements***

No components

## ***11.2 Products - Local Elements***

No components

## ***11.3 Products - Complex Types***

No components

## 12 Interest Rates

### 12.1 Interest Rates - Global Elements

| Component    | Contained In | File                   |
|--------------|--------------|------------------------|
| interestLeg  |              | fpml-eq-shared-4-4.xsd |
| simpleIrSwap |              | fpml-asset-4-4.xsd     |

## 12.2 Interest Rates - Local Elements

| Component                        | Contained In                | File                       |
|----------------------------------|-----------------------------|----------------------------|
| accruedInterest                  | CashSettlementTerms         | fpml-cd-4-4.xsd            |
| accruedInterest                  | DeliverableObligations      | fpml-cd-4-4.xsd            |
| accruedInterest                  | PendingPayment              | fpml-asset-4-4.xsd         |
| accruedInterestPrice             | Price                       | fpml-asset-4-4.xsd         |
| brokerConfirmation               | Documentation               | fpml-shared-4-4.xsd        |
| brokerConfirmationType           | BrokerConfirmation          | fpml-shared-4-4.xsd        |
| confirmationSenderPartyReference | FxLeg                       | fpml-fx-4-4.xsd            |
| confirmer                        | TradeSide                   | fpml-doc-4-4.xsd           |
| consentRequiredLoan              | DeliverableObligations      | fpml-cd-4-4.xsd            |
| currentInterestRatePeriod        | LoanContract                | fpml-loan-4-4.xsd          |
| defaultRequirement               | CreditEvents                | fpml-option-shared-4-4.xsd |
| directLoanParticipation          | DeliverableObligations      | fpml-cd-4-4.xsd            |
| equityExpirationTime             | EquityAmericanExercise      | fpml-eqd-4-4.xsd           |
| equityExpirationTime             | EquityBermudaExercise       | fpml-eqd-4-4.xsd           |
| equityExpirationTime             | EquityEuropeanExercise      | fpml-eqd-4-4.xsd           |
| equityExpirationTimeType         | EquityAmericanExercise      | fpml-eqd-4-4.xsd           |
| equityExpirationTimeType         | EquityBermudaExercise       | fpml-eqd-4-4.xsd           |
| equityExpirationTimeType         | EquityEuropeanExercise      | fpml-eqd-4-4.xsd           |
| expiration                       | PricingDataPointCoordinate  | fpml-riskdef-4-4.xsd       |
| expirationDate                   | AmericanExercise            | fpml-shared-4-4.xsd        |
| expirationDate                   | EquityEuropeanExercise      | fpml-eqd-4-4.xsd           |
| expirationDate                   | EuropeanExercise            | fpml-shared-4-4.xsd        |
| expirationDate                   | ExchangeTradedContract      | fpml-asset-4-4.xsd         |
| expirationDate                   | SharedAmericanExercise      | fpml-shared-4-4.xsd        |
| expirationDateTwo                | CalendarSpread              | fpml-option-shared-4-4.xsd |
| expirationTime                   | AmericanExercise            | fpml-shared-4-4.xsd        |
| expirationTime                   | BermudaExercise             | fpml-shared-4-4.xsd        |
| expirationTime                   | EuropeanExercise            | fpml-shared-4-4.xsd        |
| expiringLevel                    | CalculationFromObservation  | fpml-eq-shared-4-4.xsd     |
| expiringLevel                    | DeprecatedVariance          | fpml-eq-shared-4-4.xsd     |
| expiryDate                       | ExpiryDateTime              | fpml-fx-4-4.xsd            |
| expiryDateTime                   | FxAverageRateOption         | fpml-fx-4-4.xsd            |
| expiryDateTime                   | FxDigitalOption             | fpml-fx-4-4.xsd            |
| expiryDateTime                   | FxOptionLeg                 | fpml-fx-4-4.xsd            |
| expiryTime                       | BasicQuotation              | fpml-asset-4-4.xsd         |
| expiryTime                       | ExpiryDateTime              | fpml-fx-4-4.xsd            |
| expiryTime                       | MultiDimensionalPricingData | fpml-mktenv-4-4.xsd        |
| expiryTime                       | PricingStructurePoint       | fpml-mktenv-4-4.xsd        |
| expiryTime                       | Quotation                   | fpml-valuation-4-4.xsd     |
| expiryTime                       | QuotationCharacteristics    | fpml-asset-4-4.xsd         |
| expiryTimestamp                  | NotificationMessageHeader   | fpml-msg-4-4.xsd           |
| expiryTimestamp                  | RequestMessageHeader        | fpml-msg-4-4.xsd           |
| expiryTimestamp                  | ResponseMessageHeader       | fpml-msg-4-4.xsd           |
| failureToPayInterest             | CreditEvents                | fpml-option-shared-4-4.xsd |
| firstCompoundingPeriodEndDate    | CalculationPeriodDates      | fpml-ird-4-4.xsd           |
| firstNotionalStepDate            | NotionalStepRule            | fpml-ird-4-4.xsd           |
| firstPaymentDate                 | PaymentDates                | fpml-ird-4-4.xsd           |
| firstPaymentDate                 | PeriodicPayment             | fpml-cd-4-4.xsd            |
| firstPeriodStartDate             | CalculationPeriodDates      | fpml-ird-4-4.xsd           |
| firstPeriodStartDate             | ContractNovation            | fpml-doc-4-4.xsd           |
| firstPeriodStartDate             | Novation                    | fpml-posttrade-4-4.xsd     |
| firstPeriodStartDate             | PeriodicPayment             | fpml-cd-4-4.xsd            |
| firstRegularPeriodStartDate      | CalculationPeriodDates      | fpml-ird-4-4.xsd           |



|                                   |                                   |                            |
|-----------------------------------|-----------------------------------|----------------------------|
| followUpConfirmation              | CancelableProvision               | fpml-ird-4-4.xsd           |
| followUpConfirmation              | ExerciseProcedure                 | fpml-shared-4-4.xsd        |
| followUpConfirmation              | ExtendibleProvision               | fpml-ird-4-4.xsd           |
| followUpConfirmation              | OptionalEarlyTermination          | fpml-ird-4-4.xsd           |
| fullFirstCalculationPeriod        | ContractNovation                  | fpml-doc-4-4.xsd           |
| fullFirstCalculationPeriod        | Novation                          | fpml-posttrade-4-4.xsd     |
| indirectLoanParticipation         | DeliverableObligations            | fpml-cd-4-4.xsd            |
| interest                          | TermDeposit                       | fpml-fx-4-4.xsd            |
| interestAccrualPeriod             | InterestAccrualSchedule           | fpml-loan-4-4.xsd          |
| interestAccrualSchedule           | InterestPaymentNotice             | fpml-loan-4-4.xsd          |
| interestAccrualsMethod            | DividendConditions                | fpml-shared-4-4.xsd        |
| interestAmount                    | InterestLeg                       | fpml-eq-shared-4-4.xsd     |
| interestCalculation               | InterestLeg                       | fpml-eq-shared-4-4.xsd     |
| interestDayBasis                  | InterestRatePeriod                | fpml-loan-4-4.xsd          |
| interestLegCalculationPeriodDates | InterestLeg                       | fpml-eq-shared-4-4.xsd     |
| interestLegPaymentDates           | InterestLegCalculationPeriodDates | fpml-eq-shared-4-4.xsd     |
| interestLegRate                   | CompoundingRate                   | fpml-eq-shared-4-4.xsd     |
| interestLegResetDates             | InterestLegCalculationPeriodDates | fpml-eq-shared-4-4.xsd     |
| interestPaidWithRepayment         | LoanContractRepayment             | fpml-loan-4-4.xsd          |
| interestPayment                   | InterestPaymentNotice             | fpml-loan-4-4.xsd          |
| interestPaymentTenor              | LoanContract                      | fpml-loan-4-4.xsd          |
| interestRate                      | InterestRatePeriod                | fpml-loan-4-4.xsd          |
| interestRatePeriod                | InterestAccrualSchedule           | fpml-loan-4-4.xsd          |
| interestShortfall                 | FloatingAmountEvents              | fpml-cd-4-4.xsd            |
| interestShortfallCap              | InterestShortFall                 | fpml-cd-4-4.xsd            |
| interestShortfallReimbursement    | AdditionalFixedPayments           | fpml-cd-4-4.xsd            |
| limitedRightToConfirm             | ExerciseProcedure                 | fpml-shared-4-4.xsd        |
| masterConfirmation                | Documentation                     | fpml-shared-4-4.xsd        |
| masterConfirmationAnnexDate       | MasterConfirmation                | fpml-shared-4-4.xsd        |
| masterConfirmationDate            | Allocation                        | fpml-doc-4-4.xsd           |
| masterConfirmationDate            | MasterConfirmation                | fpml-shared-4-4.xsd        |
| masterConfirmationType            | MasterConfirmation                | fpml-shared-4-4.xsd        |
| negativeInterestRateTreatment     | FloatingRateCalculation           | fpml-shared-4-4.xsd        |
| nextInterestPaymentDate           | LoanContract                      | fpml-loan-4-4.xsd          |
| paymentRequirement                | FailureToPay                      | fpml-option-shared-4-4.xsd |
| quotedCurrencyPair                | FxAmericanTrigger                 | fpml-fx-4-4.xsd            |
| quotedCurrencyPair                | FxBarrier                         | fpml-fx-4-4.xsd            |
| quotedCurrencyPair                | FxCurve                           | fpml-mktenv-4-4.xsd        |
| quotedCurrencyPair                | FxDigitalOption                   | fpml-fx-4-4.xsd            |
| quotedCurrencyPair                | FxEuropeanTrigger                 | fpml-fx-4-4.xsd            |
| quotedCurrencyPair                | FxFixing                          | fpml-shared-4-4.xsd        |
| quotedCurrencyPair                | FxRate                            | fpml-shared-4-4.xsd        |
| quotedCurrencyPair                | FxRateAsset                       | fpml-asset-4-4.xsd         |
| quotedCurrencyPair                | QuotableFxRate                    | fpml-pretrade-4-4.xsd      |
| referencePair                     | ReferencePoolItem                 | fpml-cd-4-4.xsd            |
| roundingDirection                 | Rounding                          | fpml-shared-4-4.xsd        |
| shareInterestAccrualAmount        | InterestAccrualPeriod             | fpml-loan-4-4.xsd          |
| unadjustedFirstDate               | DateRange                         | fpml-shared-4-4.xsd        |
| WACCapInterestProvision           | FloatingAmountProvisions          | fpml-cd-4-4.xsd            |

## 12.3 Interest Rates - Complex Types

| Component                                  | Contained In | File                                |
|--|--------------|-------------------------------------|
| AmendmentConfirmed                         |              | fpml-posttrade-confirmation-4-4.xsd |
| BrokerConfirmation                         |              | fpml-shared-4-4.xsd                 |
| BrokerConfirmationType                     |              | fpml-shared-4-4.xsd                 |
| CancelTradeConfirmation                    |              | fpml-confirmation-4-4.xsd           |
| ConfirmationCancelled                      |              | fpml-confirmation-4-4.xsd           |
| ConfirmTrade                               |              | fpml-confirmation-4-4.xsd           |
| DirectionalLeg                             |              | fpml-eq-shared-4-4.xsd              |
| DirectionalLegUnderlyer                    |              | fpml-eq-shared-4-4.xsd              |
| DirectionalLegUnderlyerValuation           |              | fpml-eq-shared-4-4.xsd              |
| ExpiryDateTime                             |              | fpml-fx-4-4.xsd                     |
| FirstPeriodStartDate                       |              | fpml-doc-4-4.xsd                    |
| IncreaseConfirmed                          |              | fpml-posttrade-confirmation-4-4.xsd |
| InterestAccrualPeriod                      |              | fpml-loan-4-4.xsd                   |
| InterestAccrualSchedule                    |              | fpml-loan-4-4.xsd                   |
| InterestAccrualsCompoundingMethod          |              | fpml-shared-4-4.xsd                 |
| InterestAccrualsMethod                     |              | fpml-shared-4-4.xsd                 |
| InterestCalculation                        |              | fpml-eq-shared-4-4.xsd              |
| InterestCalculationReference               |              | fpml-eq-shared-4-4.xsd              |
| InterestLeg                                |              | fpml-eq-shared-4-4.xsd              |
| InterestLegCalculationPeriodDates          |              | fpml-eq-shared-4-4.xsd              |
| InterestLegCalculationPeriodDatesReference |              | fpml-eq-shared-4-4.xsd              |
| InterestLegResetDates                      |              | fpml-eq-shared-4-4.xsd              |
| InterestPayment                            |              | fpml-loan-4-4.xsd                   |
| InterestPaymentNotice                      |              | fpml-loan-4-4.xsd                   |
| InterestRatePeriod                         |              | fpml-loan-4-4.xsd                   |
| InterestRateStream                         |              | fpml-ird-4-4.xsd                    |
| InterestRateStreamReference                |              | fpml-ird-4-4.xsd                    |
| InterestShortFall                          |              | fpml-cd-4-4.xsd                     |
| MasterConfirmation                         |              | fpml-shared-4-4.xsd                 |
| MasterConfirmationType                     |              | fpml-shared-4-4.xsd                 |
| ModifyTradeConfirmation                    |              | fpml-confirmation-4-4.xsd           |
| NovationConfirmed                          |              | fpml-posttrade-confirmation-4-4.xsd |
| QuoteAcceptanceConfirmed                   |              | fpml-pretrade-4-4.xsd               |
| QuoteAlreadyExpired                        |              | fpml-pretrade-4-4.xsd               |
| QuotedCurrencyPair                         |              | fpml-shared-4-4.xsd                 |
| ReferencePair                              |              | fpml-cd-4-4.xsd                     |
| RequestAmendmentConfirmation               |              | fpml-posttrade-confirmation-4-4.xsd |
| RequestIncreaseConfirmation                |              | fpml-posttrade-confirmation-4-4.xsd |
| RequestNovationConfirmation                |              | fpml-posttrade-confirmation-4-4.xsd |
| RequestTerminationConfirmation             |              | fpml-posttrade-confirmation-4-4.xsd |
| RequestTradeConfirmation                   |              | fpml-confirmation-4-4.xsd           |
| RequiredIdentifierDate                     |              | fpml-shared-4-4.xsd                 |
| SimpleIRSwap                               |              | fpml-asset-4-4.xsd                  |
| TerminationConfirmed                       |              | fpml-posttrade-confirmation-4-4.xsd |
| TradeAffirmation                           |              | fpml-confirmation-4-4.xsd           |
| TradeAffirmed                              |              | fpml-confirmation-4-4.xsd           |
| TradeAlreadyAffirmed                       |              | fpml-confirmation-4-4.xsd           |
| TradeAlreadyConfirmed                      |              | fpml-confirmation-4-4.xsd           |
| TradeConfirmed                             |              | fpml-confirmation-4-4.xsd           |

## 13 FX and Currency

### 13.1 FX and Currency - Global Elements

| Component           | Contained In | File                  |
|---------------------|--------------|-----------------------|
| fxAverageRateOption |              | fpml-fx-4-4.xsd       |
| fxBarrierOption     |              | fpml-fx-4-4.xsd       |
| fxCurve             |              | fpml-mktenv-4-4.xsd   |
| fxCurveValuation    |              | fpml-mktenv-4-4.xsd   |
| fxDigitalOption     |              | fpml-fx-4-4.xsd       |
| fxRate              |              | fpml-asset-4-4.xsd    |
| fxSimpleOption      |              | fpml-fx-4-4.xsd       |
| fxSingleLeg         |              | fpml-fx-4-4.xsd       |
| fxSwap              |              | fpml-fx-4-4.xsd       |
| quotableFxSingleLeg |              | fpml-pretrade-4-4.xsd |

## 13.2 FX and Currency - Local Elements

| Component                  | Contained In                | File                        |
|----------------------------|-----------------------------|-----------------------------|
| adjustedFxSpotFixingDate   | FxLinkedNotionalAmount      | fpml-ird-4-4.xsd            |
| baseCurrency               | SideRates                   | fpml-fx-4-4.xsd             |
| basketCurrency             | Basket                      | fpml-asset-4-4.xsd          |
| callCurrencyAmount         | FxAverageRateOption         | fpml-fx-4-4.xsd             |
| callCurrencyAmount         | FxOptionLeg                 | fpml-fx-4-4.xsd             |
| cashSettlementCurrency     | CashPriceMethod             | fpml-ird-4-4.xsd            |
| crossCurrency              | FxFeature                   | fpml-option-shared-4-4.xsd  |
| currency                   | ActualPrice                 | fpml-asset-4-4.xsd          |
| currency                   | AmountSchedule              | fpml-shared-4-4.xsd         |
| currency                   | BasicQuotation              | fpml-asset-4-4.xsd          |
| currency                   | Cash                        | fpml-asset-4-4.xsd          |
| currency                   | CashflowNotional            | fpml-reconciliation-4-4.xsd |
| currency                   | Commission                  | fpml-asset-4-4.xsd          |
| currency                   | CreditCurve                 | fpml-mktenv-4-4.xsd         |
| currency                   | DividendConditions          | fpml-shared-4-4.xsd         |
| currency                   | EquityStrike                | fpml-eq-shared-4-4.xsd      |
| currency                   | FacilityIdentifier          | fpml-loan-4-4.xsd           |
| currency                   | FeaturePayment              | fpml-option-shared-4-4.xsd  |
| currency                   | LegAmount                   | fpml-eq-shared-4-4.xsd      |
| currency                   | MoneyBase                   | fpml-shared-4-4.xsd         |
| currency                   | MultiDimensionalPricingData | fpml-mktenv-4-4.xsd         |
| currency                   | NotDomesticCurrency         | fpml-cd-4-4.xsd             |
| currency                   | OptionStrike                | fpml-option-shared-4-4.xsd  |
| currency                   | PaymentCurrency             | fpml-shared-4-4.xsd         |
| currency                   | PricingStructure            | fpml-shared-4-4.xsd         |
| currency                   | PricingStructurePoint       | fpml-mktenv-4-4.xsd         |
| currency                   | Quotation                   | fpml-valuation-4-4.xsd      |
| currency                   | QuotationCharacteristics    | fpml-asset-4-4.xsd          |
| currency                   | SideRate                    | fpml-fx-4-4.xsd             |
| currency                   | SpecifiedCurrency           | fpml-cd-4-4.xsd             |
| currency                   | UnderlyingAsset             | fpml-asset-4-4.xsd          |
| currency1                  | QuotedCurrencyPair          | fpml-shared-4-4.xsd         |
| currency1SideRate          | SideRates                   | fpml-fx-4-4.xsd             |
| currency1ValueDate         | FxLeg                       | fpml-fx-4-4.xsd             |
| currency2                  | QuotedCurrencyPair          | fpml-shared-4-4.xsd         |
| currency2SideRate          | SideRates                   | fpml-fx-4-4.xsd             |
| currency2ValueDate         | FxLeg                       | fpml-fx-4-4.xsd             |
| currencyReference          | DividendConditions          | fpml-shared-4-4.xsd         |
| currencyReference          | LegAmount                   | fpml-eq-shared-4-4.xsd      |
| dividendFxTriggerDate      | DividendConditions          | fpml-shared-4-4.xsd         |
| entitlementCurrency        | OptionBaseExtended          | fpml-option-shared-4-4.xsd  |
| exchangedCurrency          | QuotableFxLeg               | fpml-pretrade-4-4.xsd       |
| exchangedCurrency1         | FxLeg                       | fpml-fx-4-4.xsd             |
| exchangedCurrency2         | FxLeg                       | fpml-fx-4-4.xsd             |
| faceOnCurrency             | QuotedAs                    | fpml-fx-4-4.xsd             |
| forecastCurrencyYieldCurve | FxCurveValuation            | fpml-mktenv-4-4.xsd         |
| fxAmericanTrigger          | FxDigitalOption             | fpml-fx-4-4.xsd             |
| fxBarrier                  | FxBarrierOption             | fpml-fx-4-4.xsd             |
| fxBarrierType              | FxBarrier                   | fpml-fx-4-4.xsd             |
| fxConversion               | Price                       | fpml-asset-4-4.xsd          |
| fxEuropeanTrigger          | FxDigitalOption             | fpml-fx-4-4.xsd             |
| fxFeature                  | DeprecatedEquityLeg         | fpml-return-swaps-4-4.xsd   |
| fxFeature                  | DeprecatedVariance          | fpml-eq-shared-4-4.xsd      |

|                              |                                   |                            |
|------------------------------|-----------------------------------|----------------------------|
| fxFeature                    | DirectionalLegUnderlyer           | fpml-eq-shared-4-4.xsd     |
| fxFeature                    | EquityDerivativeBase              | fpml-eqd-4-4.xsd           |
| fxFeature                    | OptionFeature                     | fpml-option-shared-4-4.xsd |
| fxFeature                    | ReturnLeg                         | fpml-eq-shared-4-4.xsd     |
| fxFixingDate                 | NonDeliverableSettlement          | fpml-ird-4-4.xsd           |
| fxForwardCurve               | FxCurveValuation                  | fpml-mktenv-4-4.xsd        |
| fxForwardPointsCurve         | FxCurveValuation                  | fpml-mktenv-4-4.xsd        |
| fxLinkedNotionalAmount       | CalculationPeriod                 | fpml-ird-4-4.xsd           |
| fxLinkedNotionalSchedule     | Calculation                       | fpml-ird-4-4.xsd           |
| fxOptionPremium              | FxAverageRateOption               | fpml-fx-4-4.xsd            |
| fxOptionPremium              | FxDigitalOption                   | fpml-fx-4-4.xsd            |
| fxOptionPremium              | FxOptionLeg                       | fpml-fx-4-4.xsd            |
| fxRate                       | AssetValuation                    | fpml-valuation-4-4.xsd     |
| fxRate                       | Commission                        | fpml-asset-4-4.xsd         |
| fxRate                       | FxConversion                      | fpml-asset-4-4.xsd         |
| fxRate                       | FxTerms                           | fpml-loan-4-4.xsd          |
| fxRate                       | Quanto                            | fpml-option-shared-4-4.xsd |
| fxSpotRateSource             | Composite                         | fpml-option-shared-4-4.xsd |
| fxSpotRateSource             | FxLinkedNotionalSchedule          | fpml-ird-4-4.xsd           |
| fxSpotRateSource             | Quanto                            | fpml-option-shared-4-4.xsd |
| fxStrikePrice                | FxAverageRateOption               | fpml-fx-4-4.xsd            |
| fxStrikePrice                | FxOptionLeg                       | fpml-fx-4-4.xsd            |
| fxTerms                      | FxTermsSchedule                   | fpml-loan-4-4.xsd          |
| fxTermsSchedule              | LoanContract                      | fpml-loan-4-4.xsd          |
| notDomesticCurrency          | DeliverableObligations            | fpml-cd-4-4.xsd            |
| notDomesticCurrency          | Obligations                       | fpml-cd-4-4.xsd            |
| observedFxSpotRate           | FxLinkedNotionalAmount            | fpml-ird-4-4.xsd           |
| optionOnCurrency             | QuotedAs                          | fpml-fx-4-4.xsd            |
| paymentCurrency              | DividendConditions                | fpml-shared-4-4.xsd        |
| paymentCurrency              | LegAmount                         | fpml-eq-shared-4-4.xsd     |
| payoutCurrency               | FxAverageRateOption               | fpml-fx-4-4.xsd            |
| putCurrencyAmount            | FxAverageRateOption               | fpml-fx-4-4.xsd            |
| putCurrencyAmount            | FxOptionLeg                       | fpml-fx-4-4.xsd            |
| quotedCurrencyPair           | FxAmericanTrigger                 | fpml-fx-4-4.xsd            |
| quotedCurrencyPair           | FxBarrier                         | fpml-fx-4-4.xsd            |
| quotedCurrencyPair           | FxCurve                           | fpml-mktenv-4-4.xsd        |
| quotedCurrencyPair           | FxDigitalOption                   | fpml-fx-4-4.xsd            |
| quotedCurrencyPair           | FxEuropeanTrigger                 | fpml-fx-4-4.xsd            |
| quotedCurrencyPair           | FxFixing                          | fpml-shared-4-4.xsd        |
| quotedCurrencyPair           | FxRate                            | fpml-shared-4-4.xsd        |
| quotedCurrencyPair           | FxRateAsset                       | fpml-asset-4-4.xsd         |
| quotedCurrencyPair           | QuotableFxRate                    | fpml-pretrade-4-4.xsd      |
| referenceCurrency            | FxFeature                         | fpml-option-shared-4-4.xsd |
| referenceCurrency            | NonDeliverableSettlement          | fpml-ird-4-4.xsd           |
| settlementCurrency           | DirectionalLegUnderlyer           | fpml-eq-shared-4-4.xsd     |
| settlementCurrency           | EquityExerciseValuationSettlement | fpml-eqd-4-4.xsd           |
| settlementCurrency           | FxCashSettlement                  | fpml-shared-4-4.xsd        |
| settlementCurrency           | OptionBaseExtended                | fpml-option-shared-4-4.xsd |
| settlementCurrency           | SettlementProvision               | fpml-ird-4-4.xsd           |
| settlementCurrency           | SettlementTerms                   | fpml-cd-4-4.xsd            |
| settlementCurrencyYieldCurve | FxCurveValuation                  | fpml-mktenv-4-4.xsd        |
| specifiedCurrency            | DeliverableObligations            | fpml-cd-4-4.xsd            |
| specifiedCurrency            | Obligations                       | fpml-cd-4-4.xsd            |
| varyingNotionalCurrency      | FxLinkedNotionalSchedule          | fpml-ird-4-4.xsd           |

### 13.3 FX and Currency - Complex Types

| Component                        | Contained In | File                       |
|----------------------------------|--------------|----------------------------|
| Currency                         |              | fpml-shared-4-4.xsd        |
| FxAmericanTrigger                |              | fpml-fx-4-4.xsd            |
| FxAverageRateObservationDate     |              | fpml-fx-4-4.xsd            |
| FxAverageRateObservationSchedule |              | fpml-fx-4-4.xsd            |
| FxAverageRateOption              |              | fpml-fx-4-4.xsd            |
| FxBarrier                        |              | fpml-fx-4-4.xsd            |
| FxBarrierOption                  |              | fpml-fx-4-4.xsd            |
| FxCashSettlement                 |              | fpml-shared-4-4.xsd        |
| FxConversion                     |              | fpml-asset-4-4.xsd         |
| FxCurve                          |              | fpml-mktnv-4-4.xsd         |
| FxCurveValuation                 |              | fpml-mktnv-4-4.xsd         |
| FxDigitalOption                  |              | fpml-fx-4-4.xsd            |
| FxEuropeanTrigger                |              | fpml-fx-4-4.xsd            |
| FxFeature                        |              | fpml-option-shared-4-4.xsd |
| FxFixing                         |              | fpml-shared-4-4.xsd        |
| FxFixingDate                     |              | fpml-ird-4-4.xsd           |
| FxLeg                            |              | fpml-fx-4-4.xsd            |
| FxLinkedNotionalAmount           |              | fpml-ird-4-4.xsd           |
| FxLinkedNotionalSchedule         |              | fpml-ird-4-4.xsd           |
| FxOptionLeg                      |              | fpml-fx-4-4.xsd            |
| FxOptionPayout                   |              | fpml-fx-4-4.xsd            |
| FxOptionPremium                  |              | fpml-fx-4-4.xsd            |
| FxRate                           |              | fpml-shared-4-4.xsd        |
| FxRateAsset                      |              | fpml-asset-4-4.xsd         |
| FxRateSet                        |              | fpml-mktnv-4-4.xsd         |
| FxSpotRateSource                 |              | fpml-shared-4-4.xsd        |
| FxStrikePrice                    |              | fpml-fx-4-4.xsd            |
| FxSwap                           |              | fpml-fx-4-4.xsd            |
| FxTerms                          |              | fpml-loan-4-4.xsd          |
| FxTermsSchedule                  |              | fpml-loan-4-4.xsd          |
| IdentifiedCurrency               |              | fpml-shared-4-4.xsd        |
| IdentifiedCurrencyReference      |              | fpml-shared-4-4.xsd        |
| NotDomesticCurrency              |              | fpml-cd-4-4.xsd            |
| PaymentCurrency                  |              | fpml-shared-4-4.xsd        |
| QuotableFxLeg                    |              | fpml-pretrade-4-4.xsd      |
| QuotableFxRate                   |              | fpml-pretrade-4-4.xsd      |
| QuotedCurrencyPair               |              | fpml-shared-4-4.xsd        |
| SpecifiedCurrency                |              | fpml-cd-4-4.xsd            |