FpML Financial product Markup Language

Last Call Working Draft 13 September 2002

Main Component Definitions

Version: 3.0

This Version:

http://www.fpml.org/spec/2002/lcwd-fpml-3-0-2002-09-13

Latest Version:

http://www.fpml.org/spec/fpml-3-0

Previous Version:

http://www.fpml.org/spec/2002/wd-fpml-3-0-2002-04-17

Errata For This Version:

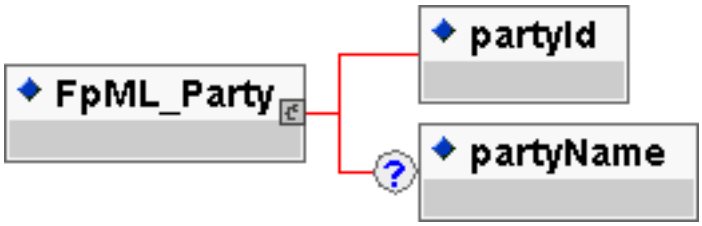
http://www.groups.yahoo.com/group/fpml-issues/files/lcwd-fpml-3-0-2002-09-13-errata.html

FpML_Party

Description:

An entity for defining party identifier information.

Figure:



Contents:

partyId (exactly one occurrence; of type *string*, an enumerated domain value defined by *partyIdScheme*)

- A party identifier, e.g. a S.W.I.F.T. bank identifier code (BIC).

partyName (zero or one occurrence; of type *string*)

- The name of the party. A free format string. FpML does not define usage rules for this element

Used by:

- party

DTD Fragment:

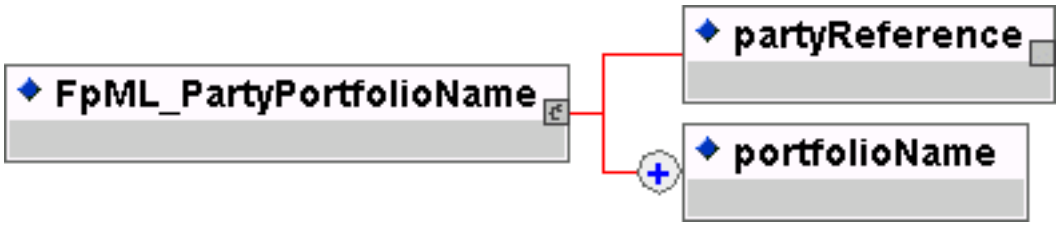
<!ENTITY % FpML_Party "partyId , partyName?">

FpML_PartyPortfolioName

Description:

An entity to represent a portfolio name for a particular party.

Figure:



Contents:

partyReference (exactly one occurrence; an *empty* element containing an *href* attribute)

- A pointer style reference to a party identifier defined elsewhere in the document. The party referenced has allocated the trade identifier.

portfolioName (one or more occurrences; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_String, an enumerated domain value defined by *portfolioNameScheme*)

- Name of a portfolio.

Used by:

- partyPortfolioName

DTD Fragment:

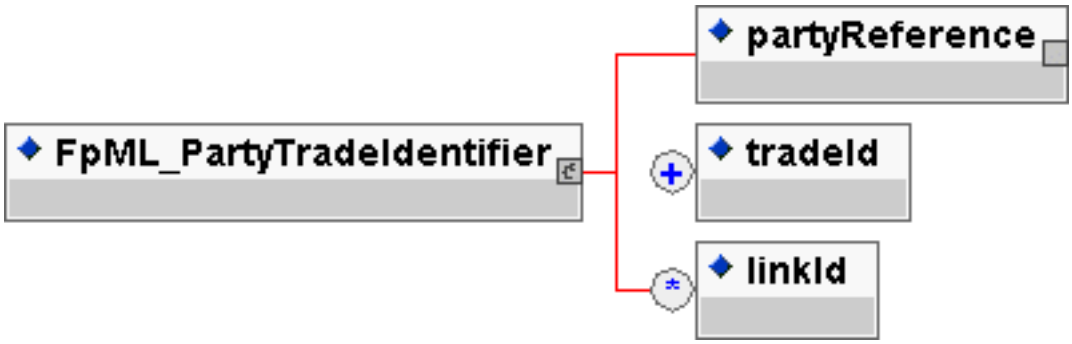
```
<!ENTITY % FpML_PartyPortfolioName "partyReference , portfolioName+">
```

FpML_PartyTradeIdentifier

Description:

An entity for defining one or more trade reference identifiers allocated to the trade by a party. A link identifier allows the trade to be associated with other related trades, e.g. trades forming part of a larger structured transaction. It is expected that for external communication of a trade there will be only one tradeId sent in the document per party.

Figure:



Contents:

partyReference (exactly one occurrence; an *empty* element containing an *href* attribute)

- A pointer style reference to a party identifier defined elsewhere in the document. The party referenced has allocated the trade identifier.

tradeId (one or more occurrences; of type *string*, an enumerated domain value defined by *tradeIdScheme*)

- A trade reference identifier allocated by a party. FpML does not define the domain values associated with this element. Note that the domain values for this element are not strictly an enumerated list.

linkId (zero or more occurrences; of type *string*, an enumerated domain value defined by *linkIdScheme*)

- A link identifier allowing the trade to be associated with other related trades, e.g. the linkId may contain a tradeId for an associated trade or several related trades may be given the same linkId. FpML does not define the domain values associated with this element. Note that the domain values for this element are not strictly an enumerated list.

Used by:

- partyTradeIdentifier

DTD Fragment:

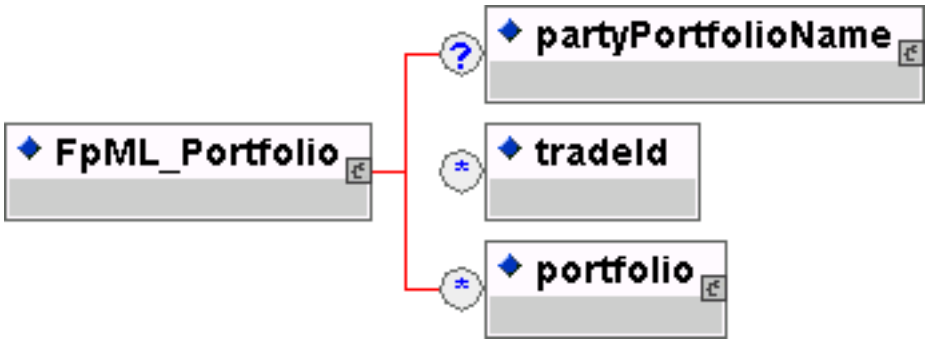
<!ENTITY % FpML_PartyTradeIdentifier "partyReference , tradeId+ , linkId*">

FpML_Portfolio

Description:

An entity to represent an arbitrary grouping of trade references.

Figure:



Contents:

partyPortfolioName (zero or one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_PartyPortfolioName)

- Name of a portfolio together with the party that gave the name.

tradeId (zero or more occurrences; of type *string*, an enumerated domain value defined by *tradeIdScheme*)

- A trade reference identifier allocated by a party. FpML does not define the domain values associated with this element. Note that the domain values for this element are not strictly an enumerated list.

portfolio (zero or more occurrences; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_Portfolio)

- An arbitrary grouping of trade references.

Used by:

- portfolio

DTD Fragment:

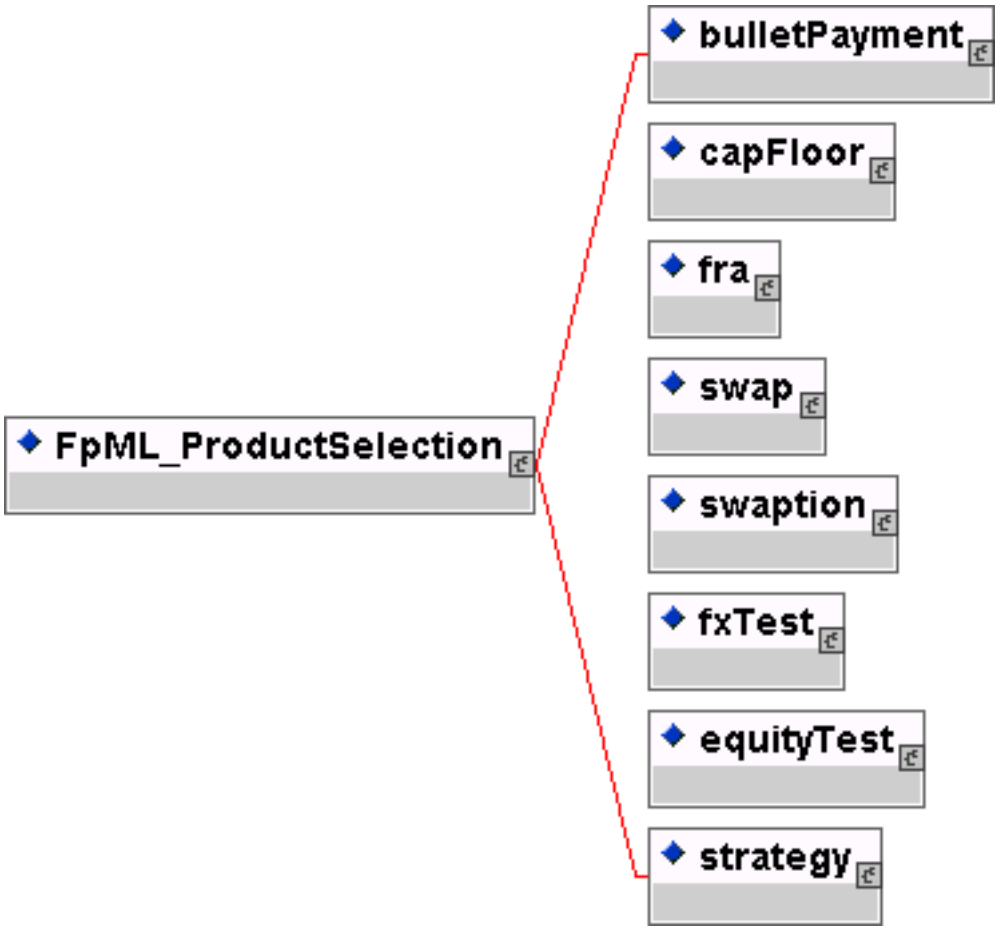
<!ENTITY % FpML_Portfolio "partyPortfolioName? , tradeId* , portfolio*">

FpML_ProductSelection

Description:

An entity listing the available products within FpML.

Figure:



Contents:

Either

bulletPayment (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_BulletPayment)

- A product to represent one or more known payments.

Or

capFloor (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_CapFloor)

- A cap, floor or cap floor structures product definition.

Or

fra (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the

entity FpML_Fra)

- A forward rate agreement product definition.

Or

swap (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_Swap)

- A swap product definition.

Or

swaption (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_Swaption)

- A swaption product definition.

Or

fxSingleLeg (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_FXLeg)

- A single-legged FX transaction definition (e.g., spot or forward).

Or

fxSwap (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_FXSwap)

- An FX deal consisting of two single FX legs.

Or

fxSimpleOption (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_FXOptionLeg)

- Defines a simple FX OTC option.

Or

fxBarrierOption (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_FXBarrierOption)

- A barrier option definition. Accommodates one or many barriers, with or without a payout.

Or

fxDigitalOption (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_FXDigitalOption)

- Defines different types of digital and binary options.

Or

fxAverageRateOption (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_FXAverageRateOption)

- An average rate option definition.

Or

equityOption (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_EquityOption)

- An equity option product definition.

Or

strategy (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of

the entity FpML_Strategy)

- A trade containing multiple products. It is envisaged that this will be used to represent structured products.

Used by:

- FpML_Strategy
- FpML_Trade

DTD Fragment:

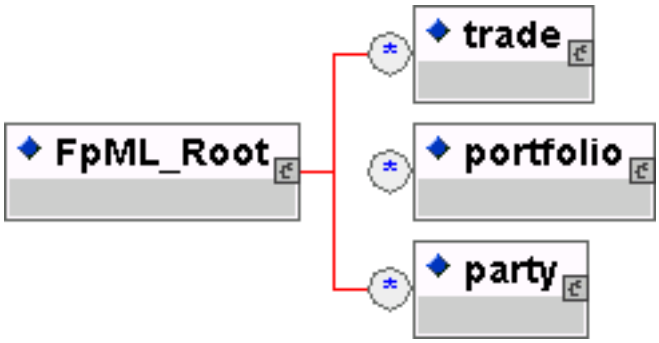
```
<!ENTITY % FpML_ProductSelection "(bulletPayment | capFloor | fra | swap | swaption | fxSingleLeg | fxSwap
| fxSimpleOption | fxBarrierOption | fxDigitalOption | fxAverageRateOption | equityOption | strategy)">
```

FpML_Root

Description:

An entity to represent the contents of the FpML root element. This includes trades, portfolios and parties.

Figure:



Contents:

trade (zero or more occurrences; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_Trade)

- The FpML trade definition.

portfolio (zero or more occurrences; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_Portfolio)

- An arbitrary grouping of trade references.

party (zero or more occurrences; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_Party)

- The parties obligated to make payments from time to time during the term of a trade. This will include, at a minimum, the principal parties involved in any trades. Other parties paying or receiving fees, commissions etc. must also be specified if referenced in other party payments.

Used by:

- FpML

DTD Fragment:

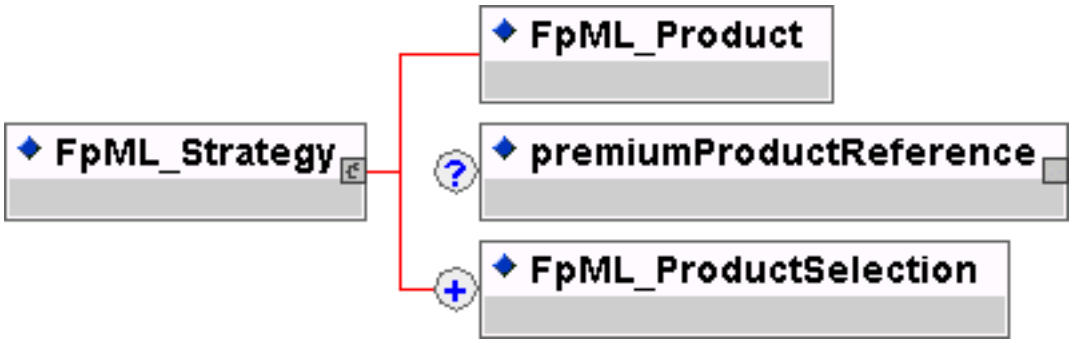
<!ENTITY % FpML_Root "trade* , portfolio* , party*">

FpML_Strategy

Description:

An entity to define a group of products making up a single trade.

Figure:



Contents:

inherited element(s) (this entity inherits the element(s) defined by exactly one occurrence of the entity FpML_Product)

- The base entity which all FpML products extend.

premiumProductReference (zero or one occurrence; an *empty* element containing an *href* attribute)

- TBA

inherited element(s) (this entity inherits the element(s) defined by exactly one occurrence of the entity FpML_ProductSelection)

- An entity listing the available products within FpML.

(one or more occurrences;

Used by:

- strategy

DTD Fragment:

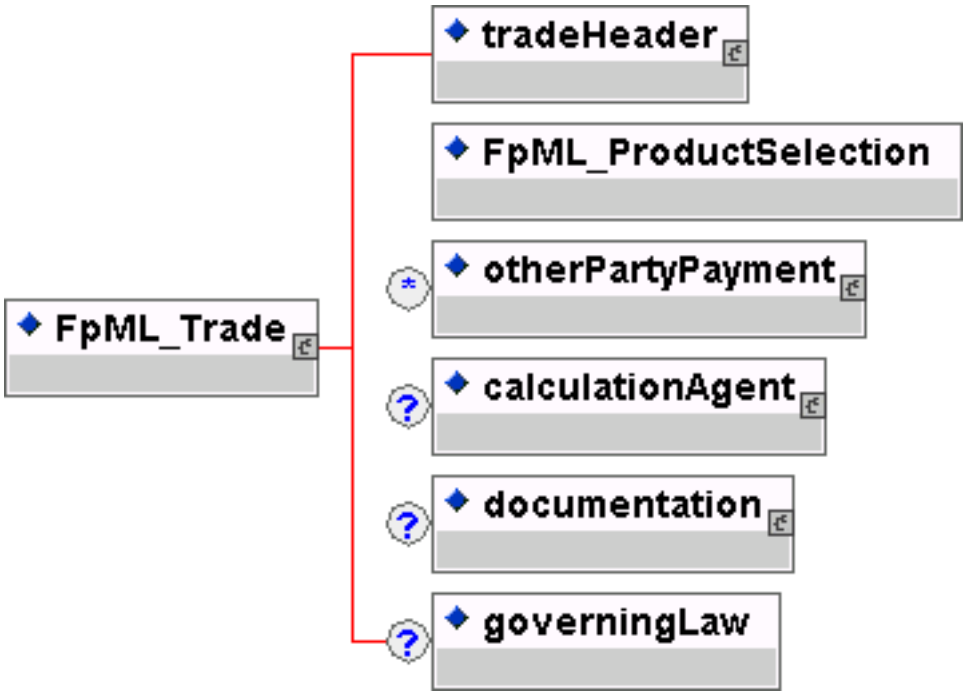
```
<!ENTITY % FpML_Strategy "%FpML_Product; , premiumProductReference? ,
 (%FpML_ProductSelection;)+">
```

FpML_Trade

Description:

An entity for defining an FpML trade.

Figure:



Contents:

tradeHeader (exactly one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_TradeHeader)

- The information on the trade which is not product specific, e.g. trade date.

inherited element(s) (this entity inherits the element(s) defined by exactly one occurrence of the entity FpML_ProductSelection)

- An entity listing the available products within FpML.

otherPartyPayment (zero or more occurrences; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_Fee)

- Other fees or additional payments associated with the trade, e.g. broker commissions, where one or more of the parties involved are not principal parties involved in the trade.

calculationAgent (zero or one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_CalculationAgent)

- The ISDA Calculation Agent responsible for performing duties associated with an optional early termination.

documentation (zero or one occurrence; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_Documentation)

- Defines the definitions that govern the document and should include the year and type of definitions referenced, along with any relevant documentation (such as master agreement) and the date it was signed.

governingLaw (zero or one occurrence; of type *string*, an enumerated domain value defined by *governingLawScheme*)

- TBA

Used by:

- trade

DTD Fragment:

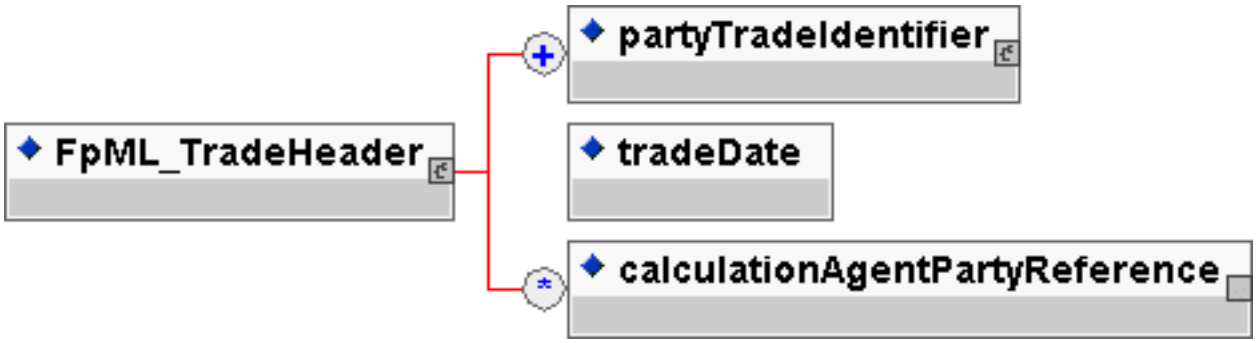
```
<!ENTITY % FpML_Trade "tradeHeader , %FpML_ProductSelection; , otherPartyPayment* , calculationAgent? , documentation? , governingLaw?">
```

FpML_TradeHeader

Description:

An entity for defining trade related information which is not product specific.

Figure:



Contents:

partyTradeIdentifier (one or more occurrences; contains the sub-element(s) defined by exactly one occurrence of the entity FpML_PartyTradeIdentifier)

- The trade reference identifier(s) allocated to the trade by the parties involved.

tradeDate (exactly one occurrence; of type *date*)

- The trade date.

calculationAgentPartyReference (zero or more occurrences; an *empty* element containing an *href* attribute)

- A pointer style reference to a party identifier defined elsewhere in the document. The party referenced is the ISDA Calculation Agent for the trade. If more than one party is referenced then the parties are assumed to be co-calculation agents, i.e. they have joint responsibility.

Used by:

- tradeHeader

DTD Fragment:

<!ENTITY % FpML_TradeHeader "partyTradeIdentifier+ , tradeDate , calculationAgentPartyReference*">