



**Financial products Markup Language**

## **FpML 4.0 - Equity Shared Component Definitions**

## ***Version: 4.2***

### **This Version:**

<http://www.fpml.org/spec/2006/tr-fpml-4-2-2006-05-08>

### **Latest Version:**

<http://www.fpml.org/spec/2006/tr-fpml-4-2-2006-05-08>

### **Previous Version:**

<http://www.fpml.org/spec/2006/lcwg-fpml-4-2-2006-03-15/>

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

<http://www.fpml.org/spec/errata/tr-fpml-4-2-2006-05-08-errata.html>

### **Document built**

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## ***1 Global Complex Types***

## 1.1 AdditionalDisruptionEvents

### 1.1.1 Description:

A type for defining ISDA 2002 Equity Derivative Additional Disruption Events"

### 1.1.2 Contents:

**changeInLaw** (exactly one occurrence; of the type xsd:boolean)

**failureToDeliver** (zero or one occurrence; of the type xsd:boolean) Where the underlying is shares and the transaction is physically settled, then, if true, a failure to deliver the shares on the settlement date will not be an event of default for the purposes of the master agreement.

**insolvencyFiling** (exactly one occurrence; of the type xsd:boolean)

**hedgingDisruption** (exactly one occurrence; of the type xsd:boolean)

**lossOfStockBorrow** (exactly one occurrence; of the type xsd:boolean)

**increasedCostOfStockBorrow** (exactly one occurrence; of the type xsd:boolean)

**increasedCostOfHedging** (exactly one occurrence; of the type xsd:boolean)

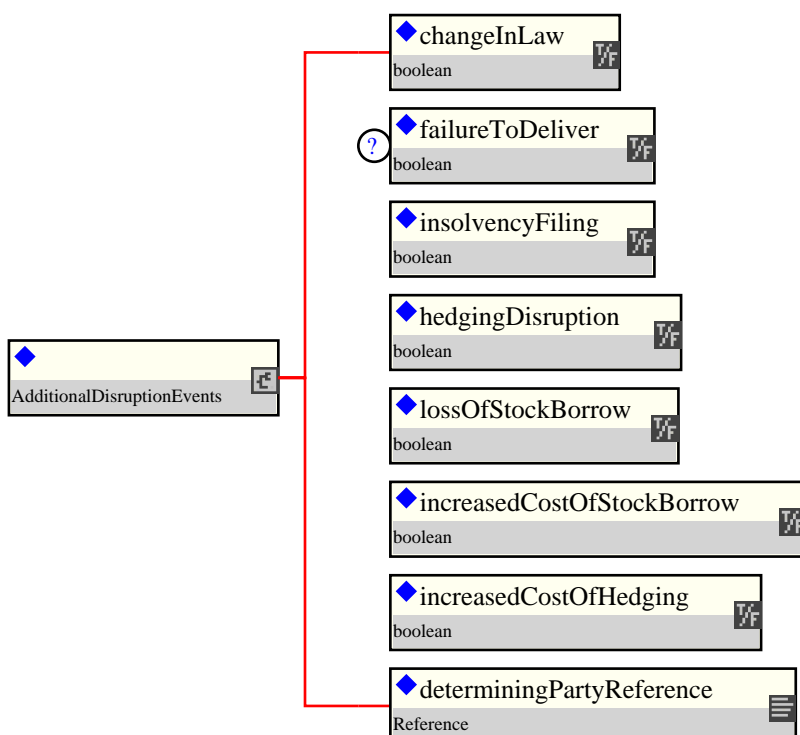
**determiningPartyReference** (exactly one occurrence; of the type Reference) A reference to a party element within this document.

### 1.1.3 Used by:

- Complex type: ExtraordinaryEvents

### 1.1.4 Derived Types:

### 1.1.5 Figure:





### 1.1.6 Schema Fragment:

```
<xsd:complexType name="AdditionalDisruptionEvents">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A type for defining ISDA 2002 Equity Derivative Additional
      Disruption Events"
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="changeInLaw" type="xsd:boolean"/>
    <xsd:element name="failureToDeliver" type="xsd:boolean" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Where the underlying is shares and the transaction is
          physically settled, then, if true, a failure to deliver the
          shares on the settlement date will not be an event of default
          for the purposes of the master agreement.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Ist der Basiswert eine Aktie und wird die Transaktion
          effektiv beliefert, stellt die Nichtlieferung von Aktien am
          Abrechnungstag keinen Kündigungsgrund im Sinne des
          Rahmenvertrags dar, wenn der Wert "wahr" lautet.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="insolvencyFiling" type="xsd:boolean"/>
    <xsd:element name="hedgingDisruption" type="xsd:boolean"/>
    <xsd:element name="lossOfStockBorrow" type="xsd:boolean"/>
    <xsd:element name="increasedCostOfStockBorrow" type="xsd:boolean"/>
    <xsd:element name="increasedCostOfHedging" type="xsd:boolean"/>
    <xsd:element name="determiningPartyReference" type="Reference">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          A reference to a party element within this document.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

## 1.2 AdjustableDateOrRelativeDateSequence

### 1.2.1 Description:

### 1.2.2 Contents:

Either

**adjustableDate** (exactly one occurrence; of the type AdjustableDate) A date that shall be subject to adjustment if it would otherwise fall on a day that is not a business day in the specified business centers, together with the convention for adjusting the date.

Or

**relativeDateSequence** (exactly one occurrence; of the type RelativeDateSequence) A date specified in relation to some other date defined in the document (the anchor date), where there is the opportunity to specify a combination of offset rules. This component will typically be used for defining the valuation date in relation to the payment date, as both the currency and the exchange holiday calendars need to be considered.

### 1.2.3 Used by:

- Complex type: EquityValuation

### 1.2.4 Derived Types:

### 1.2.5 Figure:

### 1.2.6 Schema Fragment:

```
<xsd:complexType name="AdjustableDateOrRelativeDateSequence">
  <xsd:choice>
    <xsd:element name="adjustableDate" type="AdjustableDate">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          A date that shall be subject to adjustment if it would
          otherwise fall on a day that is not a business day in the
          specified business centers, together with the convention for
          adjusting the date.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="relativeDateSequence" type="RelativeDateSequence">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          A date specified in relation to some other date defined in
          the document (the anchor date), where there is the
          opportunity to specify a combination of offset rules. This
          component will typically be used for defining the valuation
          date in relation to the payment date, as both the currency
          and the exchange holiday calendars need to be considered.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:choice>
  <xsd:attribute name="id" type="xsd:ID"/>
</xsd:complexType>
```

## 1.3 Asian

### 1.3.1 Description:

As per ISDA 2002 Definitions

### 1.3.2 Contents:

**averagingInOut** (exactly one occurrence; of the type AveragingInOutEnum)

**strikeFactor** (zero or one occurrence; of the type xsd:decimal) The factor of strike.

**averagingPeriodIn** (zero or one occurrence; of the type AveragingPeriod) The averaging in period.

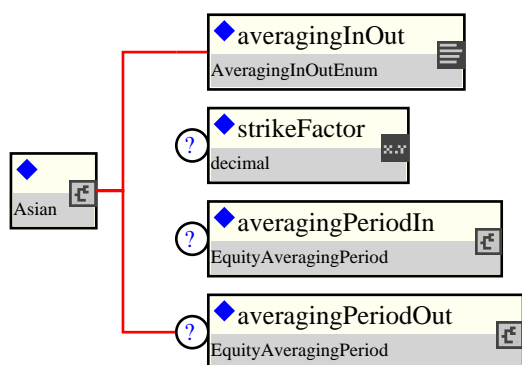
**averagingPeriodOut** (zero or one occurrence; of the type AveragingPeriod) The averaging out period.

### 1.3.3 Used by:

- Complex type: OptionFeatures

### 1.3.4 Derived Types:

### 1.3.5 Figure:



### 1.3.6 Schema Fragment:

```
<xsd:complexType name="Asian">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      As per ISDA 2002 Definitions
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Im Sinne der ISDA-Definitionen von 2002.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="averagingInOut" type="AveragingInOutEnum"/>
    <xsd:element name="strikeFactor" type="xsd:decimal" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The factor of strike.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Strike-Faktor.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="averagingPeriodIn" type="AveragingPeriod" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The averaging in period.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          The averaging in period.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="averagingPeriodOut" type="AveragingPeriod" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The averaging out period.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          The averaging out period.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

```
        Averaging-In-Zeitraum.
    </xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element name="averagingPeriodOut" type="AveragingPeriod" minOccurs="0">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">
            The averaging out period.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
            Averaging-Out-Zeitraum.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
```

## 1.4 AveragingPeriod

### 1.4.1 Description:

Period over which an average value is taken

### 1.4.2 Contents:

**schedule** (zero or more occurrences; of the type EquitySchedule) A Equity Derivative schedule.

**averagingDateTimes** (zero or one occurrence; of the type DateTimeList) Averaging DateTimes

**marketDisruption** (exactly one occurrence; of the type MarketDisruption) The market disruption event as defined by ISDA 2002 Definitions

### 1.4.3 Used by:

- Complex type: Asian

### 1.4.4 Derived Types:

### 1.4.5 Figure:

### 1.4.6 Schema Fragment:

```
<xsd:complexType name="AveragingPeriod">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Period over which an average value is taken
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Typ zur Definition der Ausübungsprozesse bei einer amerikanischen
      Aktienoption. Diese Einheit leitet sich ab vom Typ
      "SharedAmericanExercise".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="schedule" type="EquitySchedule" minOccurs="0" maxOccurs="unbounded">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          A Equity Derivative schedule.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Zeitplan für Aktienderivate.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="averagingDateTimes" type="DateTimeList" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Averaging DateTimes
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Für die Durchschnittsbildung herangezogene Daten und Zeiten.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="marketDisruption" type="MarketDisruption">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The market disruption event as defined by ISDA 2002
          Definitions
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Marktunterbrechung im Sinne der ISDA-Definitionen von 2002.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

## 1.5 Barrier

### 1.5.1 Description:

As per ISDA 2002 Definitions.

### 1.5.2 Contents:

**barrierCap** (zero or one occurrence; of the type TriggerEvent) A trigger level approached from beneath.

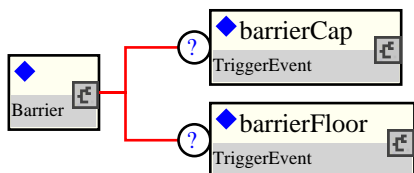
**barrierFloor** (zero or one occurrence; of the type TriggerEvent) A trigger level approached from above.

### 1.5.3 Used by:

- Complex type: OptionFeatures

### 1.5.4 Derived Types:

### 1.5.5 Figure:



### 1.5.6 Schema Fragment:

```
<xsd:complexType name="Barrier">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      As per ISDA 2002 Definitions.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Im Sinne der ISDA-Definitionen von 2002.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="barrierCap" type="TriggerEvent" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          A trigger level approached from beneath.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Von unten ausgelöstes Trigger-Niveau.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="barrierFloor" type="TriggerEvent" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          A trigger level approached from above.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Von oben ausgelöstes Trigger-Niveau.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

## 1.6 Composite

### 1.6.1 Description:

Specifies the conditions to be applied for converting into a reference currency when the actual currency rate is not determined upfront.

### 1.6.2 Contents:

**determinationMethod** (zero or one occurrence; of the type DeterminationMethod) Specifies the method according to which an amount or a date is determined.

**relativeDate** (zero or one occurrence; of the type RelativeDateOffset) A date specified as some offset to another date (the anchor date).

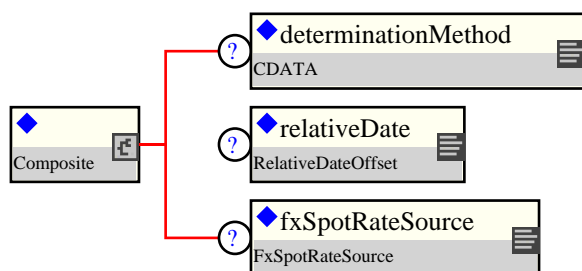
**fxSpotRateSource** (zero or one occurrence; of the type FxSpotRateSource) Specifies the methodology (reference source and, optionally, fixing time) to be used for determining a currency conversion rate.

### 1.6.3 Used by:

- Complex type: FxFeature

### 1.6.4 Derived Types:

### 1.6.5 Figure:



### 1.6.6 Schema Fragment:

```
<xsd:complexType name="Composite">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Specifies the conditions to be applied for converting into a
      reference currency when the actual currency rate is not
      determined upfront.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="determinationMethod" type="DeterminationMethod" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Specifies the method according to which an amount or a date
          is determined.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="relativeDate" type="RelativeDateOffset" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          A date specified as some offset to another date (the anchor
          date).
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="fxSpotRateSource" type="FxSpotRateSource" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">

```

```
        Specifies the methodology (reference source and, optionally,  
        fixing time) to be used for determining a currency conversion  
        rate.  
    </xsd:documentation>  
</xsd:annotation>  
</xsd:element>  
</xsd:sequence>  
</xsd:complexType>
```



## 1.7 EquityCorporateEvents

### 1.7.1 Description:

A type for defining the merger events and their treatment.

### 1.7.2 Contents:

**shareForShare** (exactly one occurrence; of the type ShareExtraordinaryEventEnum) The consideration paid for the original shares following the Merger Event consists wholly of new shares.

**shareForOther** (exactly one occurrence; of the type ShareExtraordinaryEventEnum) The consideration paid for the original shares following the Merger Event consists wholly of cash/securities other than new shares.

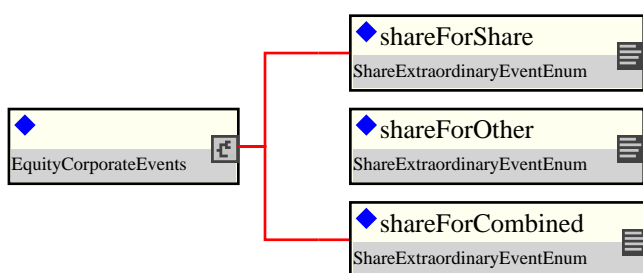
**shareForCombined** (exactly one occurrence; of the type ShareExtraordinaryEventEnum) The consideration paid for the original shares following the Merger Event consists of both cash/securities and new shares.

### 1.7.3 Used by:

- Complex type: ExtraordinaryEvents

### 1.7.4 Derived Types:

### 1.7.5 Figure:



### 1.7.6 Schema Fragment:

```
<xsd:complexType name="EquityCorporateEvents">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A type for defining the merger events and their treatment.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Typ zur Definition von Fusionen und deren Behandlung.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="shareForShare" type="ShareExtraordinaryEventEnum">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The consideration paid for the original shares following the
          Merger Event consists wholly of new shares.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Einstandspreis für die ursprünglichen Aktien nach Fusion
          beinhaltet ausschließlich neue Aktien.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="shareForOther" type="ShareExtraordinaryEventEnum">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The consideration paid for the original shares following the
          Merger Event consists wholly of cash/securities other than
          new shares.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

```

    <xsd:documentation xml:lang="de">
        Einstandspreis für die ursprünglichen Aktien nach Fusion
        beinhaltet ausschließlich Barmittel/Wertpapiere (keine neuen
        Aktien).
    </xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element name="shareForCombined" type="ShareExtraordinaryEventEnum">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">
            The consideration paid for the original shares following the
            Merger Event consists of both cash/securities and new shares.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
            Einstandspreis für die ursprünglichen Aktien nach Fusion
            beinhaltet sowohl Barmittel/Wertpapiere als auch neue Aktien.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>

```

## 1.8 EquitySchedule

### 1.8.1 Description:

Method of generating a series of dates.

### 1.8.2 Contents:

**startDate** (exactly one occurrence; of the type xsd:date) The averaging period start date.

**endDate** (exactly one occurrence; of the type xsd:date) The averaging period end date.

**frequency** (exactly one occurrence; of the type xsd:decimal) The schedule frequency.

**frequencyType** (exactly one occurrence; of the type FrequencyTypeEnum) The schedule frequency type

**weekNumber** (zero or one occurrence; of the type xsd:decimal) The schedule week number.

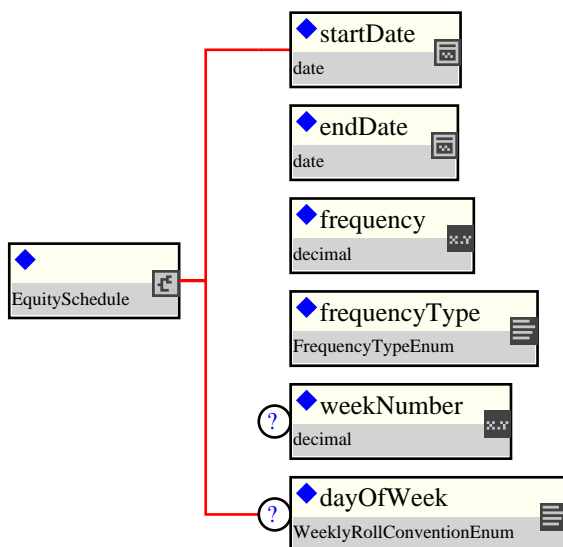
**dayOfWeek** (zero or one occurrence; of the type WeeklyRollConventionEnum)

### 1.8.3 Used by:

- Complex type: AveragingPeriod
- Complex type: TriggerEvent

### 1.8.4 Derived Types:

### 1.8.5 Figure:



### 1.8.6 Schema Fragment:

```
<xsd:complexType name="EquitySchedule">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Method of generating a series of dates.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Methode zur Generierung einer Reihe von Terminen.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="startDate" type="xsd:date">
      <xsd:annotation>
```

```

        <xsd:documentation xml:lang="en">
            The averaging period start date.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element name="endDate" type="xsd:date">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">
            The averaging period end date.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
            Letzter Tag eines Durchschnittszeitraums.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element name="frequency" type="xsd:decimal">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">
            The schedule frequency.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
            Zahlungsfrequenz laut Zeitplan.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element name="frequencyType" type="FrequencyTypeEnum">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">
            The schedule frequency type
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
            Art der Zahlungsfrequenz laut Zeitplan.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element name="weekNumber" type="xsd:decimal" minOccurs="0">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">
            The schedule week number.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
            Wochenzahl im Zeitplan.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element name="dayOfWeek" type="WeeklyRollConventionEnum" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>

```

## 1.9 EquityValuation

### 1.9.1 Description:

A type for defining how and when an equity option is to be valued.

### 1.9.2 Contents:

Either

**valuationDate** (exactly one occurrence; of the type AdjustableDateOrRelativeDateSequence) The term "Valuation Date" is assumed to have the meaning as defined in the ISDA 2002 Equity Derivatives Definitions.

Or

**valuationDates** (exactly one occurrence; of the type AdjustableRelativeOrPeriodicDates) Specifies the interim equity valuation dates of the swap.

**valuationTimeType** (zero or one occurrence; of the type TimeTypeEnum) The time of day at which the calculation agent values the underlying, for example the official closing time of the exchange.

**valuationTime** (zero or one occurrence; of the type BusinessCenterTime) The specific time of day at which the calculation agent values the underlying.

**futuresPriceValuation** (zero or one occurrence; of the type xsd:boolean) The official settlement price as announced by the related exchange is applicable, in accordance with the ISDA 2002 definitions.

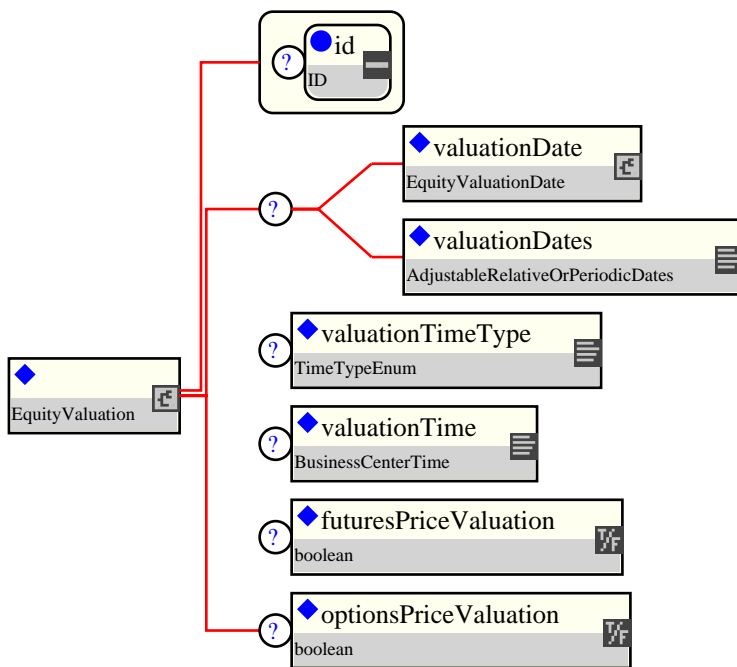
**optionsPriceValuation** (zero or one occurrence; of the type xsd:boolean) The official settlement price as announced by the related exchange is applicable, in accordance with the ISDA 2002 definitions.

### 1.9.3 Used by:

- Complex type: DeprecatedEquityLegValuationPrice
- Complex type: EquityExerciseValuationSettlement
- Complex type: ReturnLegValuationPrice
- Complex type: VarianceLeg

### 1.9.4 Derived Types:

### 1.9.5 Figure:



### 1.9.6 Schema Fragment:

```

<xsd:complexType name="EquityValuation">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A type for defining how and when an equity option is to be
      valued.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Typ, mit dem Zeitpunkt und Art der Bewertung einer Aktienoption
      bestimmt wird.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:choice minOccurs="0">
      <xsd:element name="valuationDate" type="AdjustableDateOrRelativeDateSequence">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            The term "Valuation Date" is assumed to have the meaning as
            defined in the ISDA 2002 Equity Derivatives Definitions.
          </xsd:documentation>
          <xsd:documentation xml:lang="de">
            "Bewertungstag" im Sinne der ISDA-Definitionen zu
            Aktienderivaten von 2002.
          </xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="valuationDates" type="AdjustableRelativeOrPeriodicDates">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            Specifies the interim equity valuation dates of the swap.
          </xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:choice>
    <xsd:element name="valuationTimeType" type="TimeTypeEnum" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The time of day at which the calculation agent values the
          underlying, for example the official closing time of the
          exchange.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Tageszeit, zu der die Berechnungsstelle den Basiswert
          bewertet, zum Beispiel der offizielle Börsenschluss.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="valuationTime" type="BusinessCenterTime" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The time of day at which the calculation agent values the
          underlying, for example the official closing time of the
          exchange.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Tageszeit, zu der die Berechnungsstelle den Basiswert
          bewertet, zum Beispiel der offizielle Börsenschluss.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="futuresPriceValuation" type="boolean" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Specifies whether the futures price valuation is used.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Gibt an, ob die Futures-Preisbewertung verwendet wird.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="optionsPriceValuation" type="boolean" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Specifies whether the options price valuation is used.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Gibt an, ob die Options-Preisbewertung verwendet wird.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>

```

```

<xsd:element name="valuationTime" type="BusinessCenterTime" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      The specific time of day at which the calculation agent
      values the underlying.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Genaue Tageszeit, zu der die Bewertungsstelle den Basiswert
      bewertet.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="futuresPriceValuation" type="xsd:boolean" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      The official settlement price as announced by the related
      exchange is applicable, in accordance with the ISDA 2002
      definitions.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Es gilt der von der relevanten Börse veröffentlichte
      offizielle Abrechnungspreis im Sinne der ISDA-Definitionen
      von 2002.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="optionsPriceValuation" type="xsd:boolean" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      The official settlement price as announced by the related
      exchange is applicable, in accordance with the ISDA 2002
      definitions.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Es gilt der von der relevanten Börse veröffentlichte
      offizielle Abrechnungspreis im Sinne der ISDA-Definitionen
      von 2002.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
<xsd:attribute name="id" type="xsd:ID"/>
</xsd:complexType>

```

## 1.10 ExtraordinaryEvents

### 1.10.1 Description:

Where the underlying is shares, defines market events affecting the issuer of those shares that may require the terms of the transaction to be adjusted.

### 1.10.2 Contents:

**mergerEvents** (zero or one occurrence; of the type EquityCorporateEvents) Occurs when the underlying ceases to exist following a merger between the Issuer and another company.

**tenderOffer** (zero or one occurrence; of the type xsd:boolean)

**tenderOfferEvents** (zero or one occurrence; of the type EquityCorporateEvents)

**compositionOfCombinedConsideration** (zero or one occurrence; of the type xsd:boolean)

**indexAdjustmentEvents** (zero or one occurrence; of the type IndexAdjustmentEvents)

Either

**additionalDisruptionEvents** (exactly one occurrence; of the type AdditionalDisruptionEvents)

Or

**failureToDeliver** (exactly one occurrence; of the type xsd:boolean)

**representations** (zero or one occurrence; of the type Representations) ISDA 2002 Equity Derivative Representations

**nationalisationOrInsolvency** (zero or one occurrence; of the type NationalisationOrInsolvencyOrDelistingEventEnum) The terms "Nationalisation" and "Insolvency" have the meaning as defined in the ISDA 2002 Equity Derivatives Definitions.

**delisting** (zero or one occurrence; of the type NationalisationOrInsolvencyOrDelistingEventEnum) The term "Delisting" has the meaning defined in the ISDA 2002 Equity Derivatives Definitions.

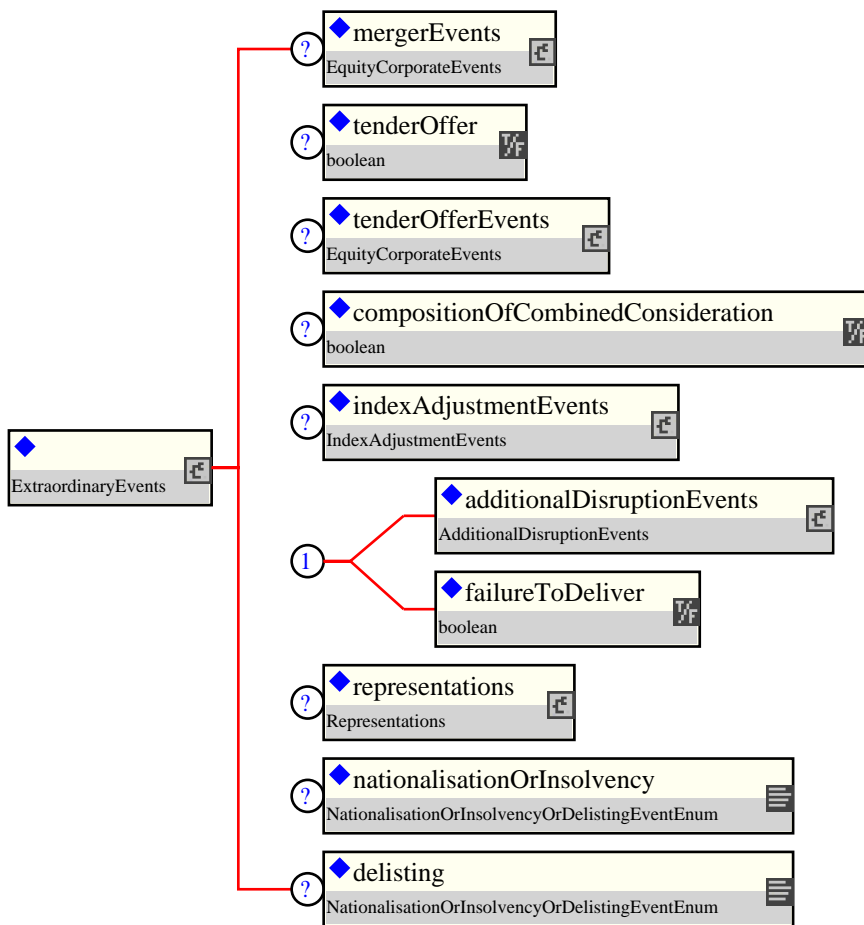
### 1.10.3 Used by:

- Complex type: EquityDerivativeLongFormBase
- Complex type: ReturnSwap

### 1.10.4 Derived Types:

### 1.10.5 Figure:





### 1.10.6 Schema Fragment:

```

<xsd:complexType name="ExtraordinaryEvents">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Where the underlying is shares, defines market events affecting
      the issuer of those shares that may require the terms of the
      transaction to be adjusted.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Ist der Basiswert eine Aktie, werden hiermit Markttereignisse
      angegeben, die den Emittenten der Aktie betreffen und die eine
      Anpassung der Transaktionsbedingungen erfordern können.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="mergerEvents" type="EquityCorporateEvents" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Occurs when the underlying ceases to exist following a merger
          between the Issuer and another company.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Dieses Element ist relevant, wenn der Basiswert nach einer
          Fusion zwischen dem Emittenten und einer anderen Gesellschaft
          nicht mehr existiert.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="tenderOffer" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="tenderOfferEvents" type="EquityCorporateEvents" minOccurs="0"/>
    <xsd:element name="compositionOfCombinedConsideration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="indexAdjustmentEvents" type="IndexAdjustmentEvents" minOccurs="0"/>
    <xsd:choice>
      <xsd:element name="additionalDisruptionEvents" type="AdditionalDisruptionEvents"/>
      <xsd:element name="failureToDeliver" type="xsd:boolean"/>
    </xsd:choice>
    <xsd:element name="representations" type="Representations" minOccurs="0"/>
    <xsd:element name="nationalisationOrInsolvency" type="NationalisationOrInsolvencyOrDelistingEventEnum" minOccurs="0"/>
    <xsd:element name="delisting" type="NationalisationOrInsolvencyOrDelistingEventEnum" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
  
```

```

</xsd:choice>
<xsd:element name="representations" type="Representations" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      ISDA 2002 Equity Derivative Representations
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="nationalisationOrInsolvency" type="NationalisationOrInsolvencyOrDelistingEventEnum" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      The terms "Nationalisation" and "Insolvency" have the meaning
      as defined in the ISDA 2002 Equity Derivatives Definitions.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      "Verstaatlichung" und "Insolvenz" im Sinne der
      ISDA-Definitionen zu Aktienderivaten von 2002.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="delisting" type="NationalisationOrInsolvencyOrDelistingEventEnum" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      The term "Delisting" has the meaning defined in the ISDA 2002
      Equity Derivatives Definitions.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      "Delisting" im Sinne der ISDA-Definitionen zu Aktienderivaten
      von 2002.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>

```

## 1.11 FeaturePayment

### 1.11.1 Description:

Payment made following trigger occurrence.

### 1.11.2 Contents:

**payerPartyReference** (exactly one occurrence; of the type Reference) A reference to the party responsible for making the payments defined by this structure.

**receiverPartyReference** (exactly one occurrence; of the type Reference) A reference to the party that receives the payments corresponding to this structure.

Either

**levelPercentage** (exactly one occurrence; of the type xsd:decimal) The trigger level percentage.

Or

**amount** (exactly one occurrence; of the type xsd:decimal) The monetary quantity in currency units.

**time** (zero or one occurrence; of the type TimeTypeEnum) The feature payment time.

**currency** (zero or one occurrence; of the type Currency) The currency in which an amount is denominated.

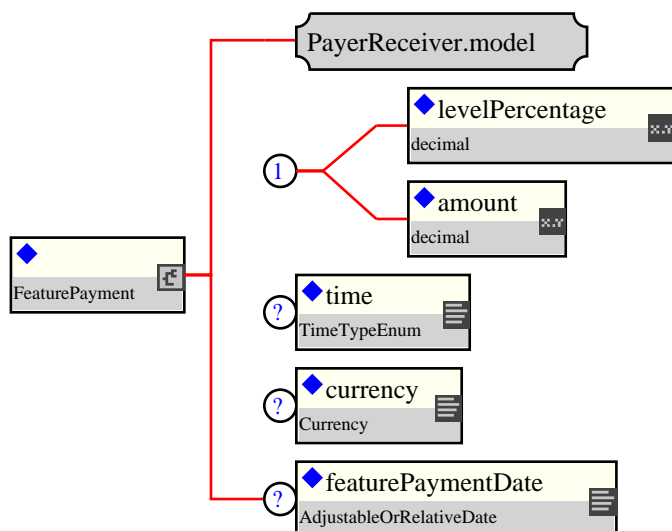
**featurePaymentDate** (zero or one occurrence; of the type AdjustableOrRelativeDate) The feature payment date.

### 1.11.3 Used by:

- Complex type: TriggerEvent

### 1.11.4 Derived Types:

### 1.11.5 Figure:



### 1.11.6 Schema Fragment:

```
<xsd:complexType name="FeaturePayment">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Payment made following trigger occurrence.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="PayerReceiver.model" type="Reference"/>
    <xsd:element name="levelPercentage" type="decimal" minOccurs="1"/>
    <xsd:element name="amount" type="decimal" minOccurs="1"/>
    <xsd:element name="time" type="TimeTypeEnum" minOccurs="0"/>
    <xsd:element name="currency" type="Currency" minOccurs="0"/>
    <xsd:element name="featurePaymentDate" type="AdjustableOrRelativeDate" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
```

```

<xsd:documentation xml:lang="de">
  Nach Eintritt des Trigger-Ereignisses erfolgende Zahlung.
</xsd:documentation>
</xsd:annotation>
<xsd:sequence>
  <xsd:group ref="PayerReceiver.model"/>
  <xsd:choice>
    <xsd:element name="levelPercentage" type="xsd:decimal">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The trigger level percentage.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Triggerniveau, ausgedrückt als Prozentsatz.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="amount" type="xsd:decimal">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The monetary quantity in currency units.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:choice>
  <xsd:element name="time" type="TimeTypeEnum" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        The feature payment time.
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        Zeitpunkt der aus dem Optionsmerkmal resultierenden Zahlung.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="currency" type="Currency" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        The currency in which an amount is denominated.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="featurePaymentDate" type="AdjustableOrRelativeDate" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        The feature payment date.
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        Datum der aus dem Optionsmerkmal resultierenden Zahlung.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
</xsd:sequence>
</xsd:complexType>

```

## 1.12 FxFeature

### 1.12.1 Description:

A type for defining Fx Features.

### 1.12.2 Contents:

**referenceCurrency** (exactly one occurrence; of the type IdentifiedCurrency) Specifies the reference currency of the trade.

Either

**composite** (exactly one occurrence; of the type Composite)

Or

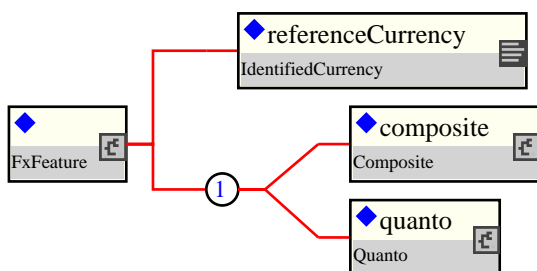
**quanto** (exactly one occurrence; of the type Quanto)

### 1.12.3 Used by:

- Complex type: DeprecatedEquityLeg
- Complex type: EquityDerivativeBase
- Complex type: ReturnLeg

### 1.12.4 Derived Types:

### 1.12.5 Figure:



### 1.12.6 Schema Fragment:

```
<xsd:complexType name="FxFeature">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A type for defining Fx Features.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Typ zur Definition von Devisenbestandteilen.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="referenceCurrency" type="IdentifiedCurrency">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Specifies the reference currency of the trade.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:choice>
      <xsd:element name="composite" type="Composite"/>
      <xsd:element name="quanto" type="Quanto"/>
    </xsd:choice>
  </xsd:sequence>
</xsd:complexType>
```

## 1.13 IndexAdjustmentEvents

### 1.13.1 Description:

### 1.13.2 Contents:

**indexModification** (exactly one occurrence; of the type IndexEventConsequenceEnum)

**indexCancellation** (exactly one occurrence; of the type IndexEventConsequenceEnum)

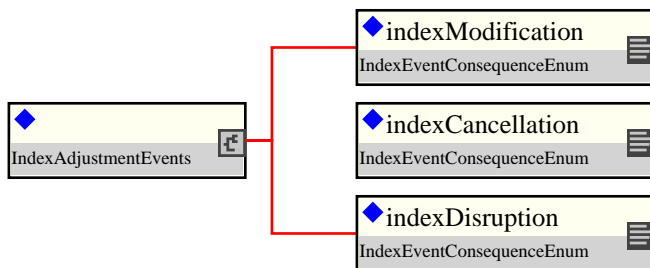
**indexDisruption** (exactly one occurrence; of the type IndexEventConsequenceEnum)

### 1.13.3 Used by:

- Complex type: ExtraordinaryEvents

### 1.13.4 Derived Types:

### 1.13.5 Figure:



### 1.13.6 Schema Fragment:

```
<xsd:complexType name="IndexAdjustmentEvents">
  <xsd:sequence>
    <xsd:element name="indexModification" type="IndexEventConsequenceEnum" />
    <xsd:element name="indexCancellation" type="IndexEventConsequenceEnum" />
    <xsd:element name="indexDisruption" type="IndexEventConsequenceEnum" />
  </xsd:sequence>
</xsd:complexType>
```

## 1.14 Knock

### 1.14.1 Description:

Knock In means option to exercise comes into existence. Knock Out means option to exercise goes out of existence

### 1.14.2 Contents:

**knockIn** (zero or one occurrence; of the type TriggerEvent) The knock in.

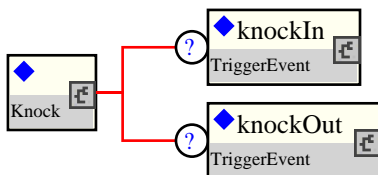
**knockOut** (zero or one occurrence; of the type TriggerEvent) The knock out.

### 1.14.3 Used by:

- Complex type: OptionFeatures

### 1.14.4 Derived Types:

### 1.14.5 Figure:



### 1.14.6 Schema Fragment:

```
<xsd:complexType name="Knock">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Knock In means option to exercise comes into existence. Knock Out
      means option to exercise goes out of existence
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      "Knock-in" bedeutet, dass eine Option durch das Überschreiten
      aktiviert wird. "Knock-out" bedeutet, dass eine Option nach dem
      Überschreiten erlischt.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="knockIn" type="TriggerEvent" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The knock in.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Knock-In.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="knockOut" type="TriggerEvent" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The knock out.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Knock-Out.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

## 1.15 MakeWholeProvisions

### 1.15.1 Description:

### 1.15.2 Contents:

**makeWholeDate** (exactly one occurrence; of the type xsd:date) Date through which option can not be exercised without penalty.

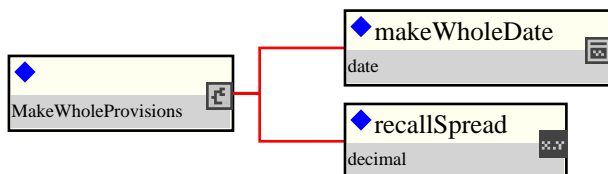
**recallSpread** (exactly one occurrence; of the type xsd:decimal) Spread used if exercised before make whole date. Early termination penalty. Expressed in bp, e.g. 25 bp.

### 1.15.3 Used by:

- Complex type: EquityExerciseValuationSettlement

### 1.15.4 Derived Types:

### 1.15.5 Figure:



### 1.15.6 Schema Fragment:

```
<xsd:complexType name="MakeWholeProvisions">
  <xsd:annotation>
    <xsd:documentation>
      A type to hold early exercise provisions.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="makeWholeDate" type="xsd:date">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Date through which option can not be exercised without
          penalty.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="recallSpread" type="xsd:decimal">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Spread used if exercised before make whole date. Early
          termination penalty. Expressed in bp, e.g. 25 bp.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```



## 1.16 MarketDisruption

### 1.16.1 Description:

### 1.16.2 Contents:

Inherited element(s): (This definition inherits the content defined by the type xsd:normalizedString)

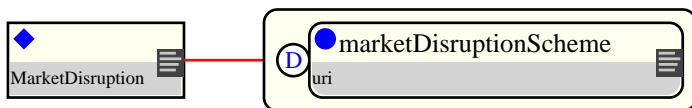
•

### 1.16.3 Used by:

- Complex type: AveragingPeriod

### 1.16.4 Derived Types:

### 1.16.5 Figure:



### 1.16.6 Schema Fragment:

```
<xsd:complexType name="MarketDisruption">
  <xsd:simpleContent>
    <xsd:extension base="xsd:normalizedString">
      <xsd:attribute name="marketDisruptionScheme" type="xsd:anyURI" default="http://www.fpml.com" />
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>
```

## 1.17 OptionFeatures

### 1.17.1 Description:

A type for defining option features.

### 1.17.2 Contents:

**asian** (zero or one occurrence; of the type Asian) An option where and average price is taken on valuation.

**barrier** (zero or one occurrence; of the type Barrier) An option with a barrier feature.

**knock** (zero or one occurrence; of the type Knock) A knock feature.

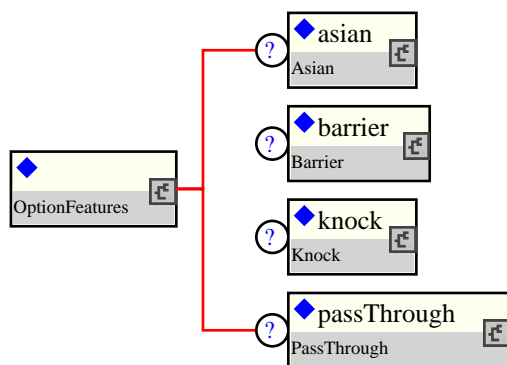
**passThrough** (zero or one occurrence; of the type PassThrough) Pass through payments from the underlyer, such as dividends.

### 1.17.3 Used by:

- Complex type: EquityDerivativeLongFormBase

### 1.17.4 Derived Types:

### 1.17.5 Figure:



### 1.17.6 Schema Fragment:

```
<xsd:complexType name="OptionFeatures">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A type for defining option features.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Typ zur Definition von Optionsbestandteilen.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="asian" type="Asian" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          An option where and average price is taken on valuation.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Option, deren Bewertung auf einem Durchschnittspreis basiert.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="barrier" type="Barrier" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          An option with a barrier feature.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

```

        <xsd:documentation xml:lang="de">
            Option mit Barrier-Merkmal.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element name="knock" type="Knock" minOccurs="0">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">
            A knock feature.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
            Knock-Spezifikation.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element name="passThrough" type="PassThrough" minOccurs="0">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">
            Pass through payments from the underlyer, such as dividends.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>

```

## 1.18 PassThrough

### 1.18.1 Description:

Type which contains pass through payments.

### 1.18.2 Contents:

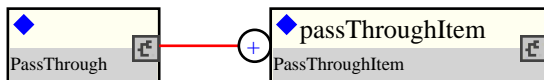
**passThroughItem** (one or more occurrences; of the type PassThroughItem) One to many pass through payment items.

### 1.18.3 Used by:

- Complex type: OptionFeatures

### 1.18.4 Derived Types:

### 1.18.5 Figure:



### 1.18.6 Schema Fragment:

```
<xsd:complexType name="PassThrough">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Type which contains pass through payments.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="passThroughItem" type="PassThroughItem" maxOccurs="unbounded">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          One to many pass through payment items.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

## 1.19 PassThroughItem

### 1.19.1 Description:

Type to represent a single pass through payment.

### 1.19.2 Contents:

**payerPartyReference** (exactly one occurrence; of the type Reference) A reference to the party responsible for making the payments defined by this structure.

**receiverPartyReference** (exactly one occurrence; of the type Reference) A reference to the party that receives the payments corresponding to this structure.

**underlyerReference** (exactly one occurrence; of the type Reference) Reference to the underlyer whose payments are being passed through.

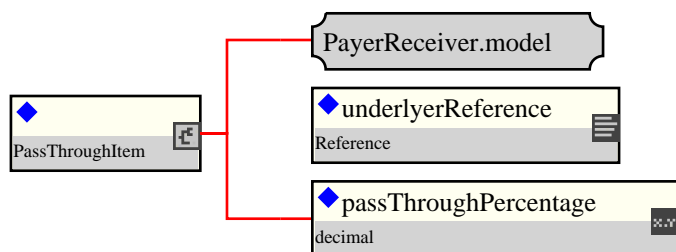
**passThroughPercentage** (exactly one occurrence; of the type xsd:decimal) Percentage of payments from the underlyer which are passed through.

### 1.19.3 Used by:

- Complex type: PassThrough

### 1.19.4 Derived Types:

### 1.19.5 Figure:



### 1.19.6 Schema Fragment:

```
<xsd:complexType name="PassThroughItem">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Type to represent a single pass through payment.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:group ref="PayerReceiver.model"/>
    <xsd:element name="underlyerReference" type="Reference">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Reference to the underlyer whose payments are being passed
          through.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="passThroughPercentage" type="xsd:decimal">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Percentage of payments from the underlyer which are passed
          through.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

## 1.20 Quanto

### 1.20.1 Description:

Determines the currency rate that the seller of the equity amounts will apply at each valuation date for converting the respective amounts into a currency that is different from the currency denomination of the underlying.

### 1.20.2 Contents:

**fxRate** (one or more occurrences; of the type FxRate) Specifies a currency conversion rate.

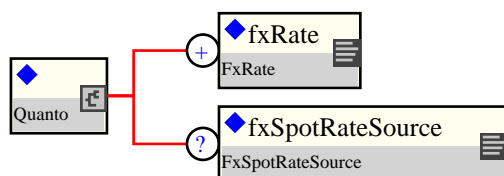
**fxSpotRateSource** (zero or one occurrence; of the type FxSpotRateSource) Specifies the methodology (reference source and, optionally, fixing time) to be used for determining a currency conversion rate.

### 1.20.3 Used by:

- Complex type: FxFeature

### 1.20.4 Derived Types:

### 1.20.5 Figure:



### 1.20.6 Schema Fragment:

```
<xsd:complexType name="Quanto">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Determines the currency rate that the seller of the equity
      amounts will apply at each valuation date for converting the
      respective amounts into a currency that is different from the
      currency denomination of the underlying.
    </xsd:documentation>
    <xsd:documentation xml:lang="en">
      Specifies the currency conversion rate(s) associated with the
      quanto. One rate will be defined for each pair of currencies
      involved.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="fxRate" type="FxRate" maxOccurs="unbounded">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Specifies a currency conversion rate.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="fxSpotRateSource" type="FxSpotRateSource" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Specifies the methodology (reference source and, optionally,
          fixing time) to be used for determining a currency conversion
          rate.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

## 1.21 Representations

### 1.21.1 Description:

A type for defining ISDA 2002 Equity Derivative Representations

### 1.21.2 Contents:

**nonReliance** (exactly one occurrence; of the type xsd:boolean)

**agreementsRegardingHedging** (exactly one occurrence; of the type xsd:boolean)

**indexDisclaimer** (zero or one occurrence; of the type xsd:boolean)

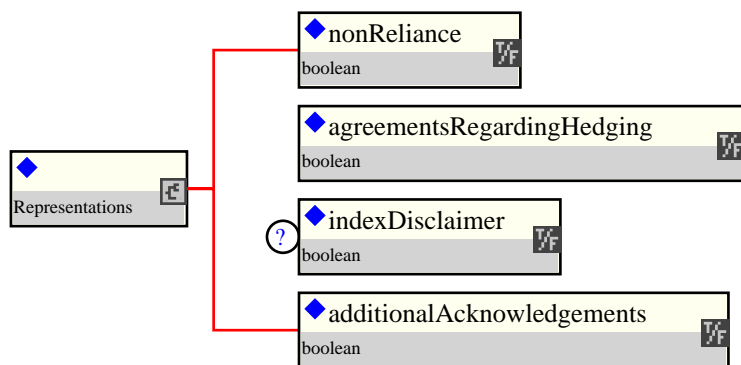
**additionalAcknowledgements** (exactly one occurrence; of the type xsd:boolean)

### 1.21.3 Used by:

- Complex type: ExtraordinaryEvents

### 1.21.4 Derived Types:

### 1.21.5 Figure:



### 1.21.6 Schema Fragment:

```
<xsd:complexType name="Representations">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A type for defining ISDA 2002 Equity Derivative Representations
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="nonReliance" type="xsd:boolean"/>
    <xsd:element name="agreementsRegardingHedging" type="xsd:boolean"/>
    <xsd:element name="indexDisclaimer" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="additionalAcknowledgements" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

## 1.22 Trigger

### 1.22.1 Description:

Trigger point at which feature is effective

### 1.22.2 Contents:

Either

**level** (exactly one occurrence; of the type xsd:decimal) The trigger level.

Or

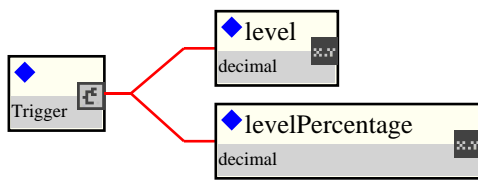
**levelPercentage** (exactly one occurrence; of the type xsd:decimal) The trigger level percentage.

### 1.22.3 Used by:

- Complex type: TriggerEvent

### 1.22.4 Derived Types:

### 1.22.5 Figure:



### 1.22.6 Schema Fragment:

```
<xsd:complexType name="Trigger">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Trigger point at which feature is effective
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Trigger-Niveau, bei dem bestimmte Merkmale einsetzen.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:choice>
      <xsd:element name="level" type="xsd:decimal">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            The trigger level.
          </xsd:documentation>
          <xsd:documentation xml:lang="de">
            Trigger-Niveau.
          </xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="levelPercentage" type="xsd:decimal">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            The trigger level percentage.
          </xsd:documentation>
          <xsd:documentation xml:lang="de">
            Triggerniveau, ausgedrückt als Prozentsatz.
          </xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:choice>
  </xsd:sequence>
</xsd:complexType>
```



## 1.23 TriggerEvent

### 1.23.1 Description:

Observation point for trigger

### 1.23.2 Contents:

**schedule** (zero or more occurrences; of the type EquitySchedule) A Equity Derivative schedule.

**triggerDates** (zero or one occurrence; of the type DateList) The trigger Dates

**trigger** (exactly one occurrence; of the type Trigger) The trigger level.

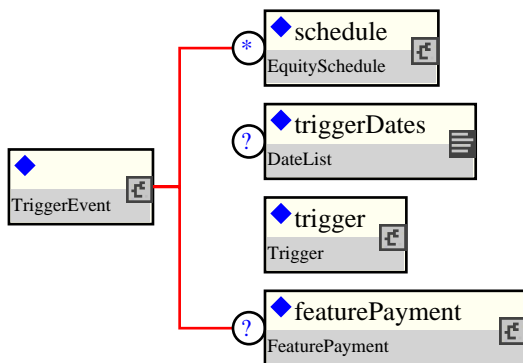
**featurePayment** (zero or one occurrence; of the type FeaturePayment) The feature payment.

### 1.23.3 Used by:

- Complex type: Barrier
- Complex type: Knock

### 1.23.4 Derived Types:

### 1.23.5 Figure:



### 1.23.6 Schema Fragment:

```
<xsd:complexType name="TriggerEvent">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Observation point for trigger
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Beobachtungspunkt für das Trigger-Ereignis.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="schedule" type="EquitySchedule" minOccurs="0" maxOccurs="unbounded">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          A Equity Derivative schedule.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Zeitplan für Aktienderivate.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="triggerDates" type="DateList" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The trigger Dates
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="trigger" type="Trigger" minOccurs="1" maxOccurs="1">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The trigger level.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="featurePayment" type="FeaturePayment" minOccurs="0" maxOccurs="1">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The feature payment.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

```

        <xsd:documentation xml:lang="de">
            Trigger-Tage.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element name="trigger" type="Trigger">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">
            The trigger level.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
            Trigger-Niveau.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element name="featurePayment" type="FeaturePayment" minOccurs="0">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">
            The feature payment.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
            Aus dem Optionsmerkmal resultierende Zahlung.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>

```

## 2 Schema listing

```
<xsd:schema targetNamespace="http://www.fpml.org/2005/FpML-4-2" elementFormDefault="qualified"
  <xsd:include schemaLocation="fpml-asset-4-2.xsd"/>
  <xsd:complexType name="AdditionalDisruptionEvents">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        A type for defining ISDA 2002 Equity Derivative Additional
        Disruption Events"
      </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="changeInLaw" type="xsd:boolean"/>
      <xsd:element name="failureToDeliver" type="xsd:boolean" minOccurs="0">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            Where the underlying is shares and the transaction is
            physically settled, then, if true, a failure to deliver the
            shares on the settlement date will not be an event of
            default for the purposes of the master agreement.
          </xsd:documentation>
          <xsd:documentation xml:lang="de">
            Ist der Basiswert eine Aktie und wird die Transaktion
            effektiv beliefert, stellt die Nichtlieferung von Aktien am
            Abrechnungstag keinen Kündigungsgrund im Sinne des
            Rahmenvertrags dar, wenn der Wert "wahr" lautet.
          </xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="insolvencyFiling" type="xsd:boolean"/>
      <xsd:element name="hedgingDisruption" type="xsd:boolean"/>
      <xsd:element name="lossOfStockBorrow" type="xsd:boolean"/>
      <xsd:element name="increasedCostOfStockBorrow" type="xsd:boolean"/>
      <xsd:element name="increasedCostOfHedging" type="xsd:boolean"/>
      <xsd:element name="determiningPartyReference" type="Reference">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            A reference to a party element within this document.
          </xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="AdjustableDateOrRelativeDateSequence">
    <xsd:choice>
      <xsd:element name="adjustableDate" type="AdjustableDate">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            A date that shall be subject to adjustment if it would
            otherwise fall on a day that is not a business day in the
            specified business centers, together with the convention
            for adjusting the date.
          </xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="relativeDateSequence" type="RelativeDateSequence">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            A date specified in relation to some other date defined in
            the document (the anchor date), where there is the
            opportunity to specify a combination of offset rules. This
            component will typically be used for defining the valuation
            date in relation to the payment date, as both the currency
            and the exchange holiday calendars need to be considered.
          </xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:choice>
    <xsd:attribute name="id" type="xsd:ID"/>
  </xsd:complexType>
  <xsd:complexType name="Asian">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        As per ISDA 2002 Definitions
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        Im Sinne der ISDA-Definitionen von 2002.
      </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="averagingInOut" type="AveragingInOutEnum"/>
    </xsd:sequence>
  </xsd:complexType>
```

```

<xsd:element name="strikeFactor" type="xsd:decimal" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      The factor of strike.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Strike-Faktor.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="averagingPeriodIn" type="AveragingPeriod" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      The averaging in period.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Averaging-In-Zeitraum.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="averagingPeriodOut" type="AveragingPeriod" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      The averaging out period.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Averaging-Out-Zeitraum.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="AveragingPeriod">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Period over which an average value is taken
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Typ zur Definition der Ausübungsprozesse bei einer
      amerikanischen Aktienoption. Diese Einheit leitet sich ab vom
      Typ "SharedAmericanExercise".
    </xsd:documentation>
  </xsd:annotation>
</xsd:sequence>
<xsd:element name="schedule" type="EquitySchedule" minOccurs="0" maxOccurs="unbounded">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A Equity Derivative schedule.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Zeitplan für Aktienderivate.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="averagingDateTimes" type="DateTimeList" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Averaging DateTimes
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Für die Durchschnittsbildung herangezogene Daten und
      Zeiten.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="marketDisruption" type="MarketDisruption">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      The market disruption event as defined by ISDA 2002
      Definitions
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Marktunterbrechung im Sinne der ISDA-Definitionen von 2002.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Barrier">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      As per ISDA 2002 Definitions.
    </xsd:documentation>
  </xsd:annotation>

```

```

<xsd:documentation xml:lang="de">
  Im Sinne der ISDA-Definitionen von 2002.
</xsd:documentation>
</xsd:annotation>
</xsd:sequence>
<xsd:element name="barrierCap" type="TriggerEvent" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A trigger level approached from beneath.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Von unten ausgelöstes Trigger-Niveau.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="barrierFloor" type="TriggerEvent" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A trigger level approached from above.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Von oben ausgelöstes Trigger-Niveau.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Composite">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Specifies the conditions to be applied for converting into a
      reference currency when the actual currency rate is not
      determined upfront.
    </xsd:documentation>
  </xsd:annotation>
</xsd:sequence>
<xsd:element name="determinationMethod" type="DeterminationMethod" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Specifies the method according to which an amount or a date
      is determined.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="relativeDate" type="RelativeDateOffset" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A date specified as some offset to another date (the anchor
      date).
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="fxSpotRateSource" type="FxSpotRateSource" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Specifies the methodology (reference source and,
      optionally, fixing time) to be used for determining a
      currency conversion rate.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="EquityCorporateEvents">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A type for defining the merger events and their treatment.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Typ zur Definition von Fusionen und deren Behandlung.
    </xsd:documentation>
  </xsd:annotation>
</xsd:sequence>
<xsd:element name="shareForShare" type="ShareExtraordinaryEventEnum">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      The consideration paid for the original shares following
      the Merger Event consists wholly of new shares.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Einstandspreis für die ursprünglichen Aktien nach Fusion
      beinhaltet ausschließlich neue Aktien.
    </xsd:documentation>
  </xsd:annotation>

```

```

    </xsd:annotation>
  </xsd:element>
  <xsd:element name="shareForOther" type="ShareExtraordinaryEventEnum">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        The consideration paid for the original shares following
        the Merger Event consists wholly of cash/securities other
        than new shares.
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        Einstandspreis für die ursprünglichen Aktien nach Fusion
        beinhaltet ausschließlich Barmittel/Wertpapiere (keine
        neuen Aktien).
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="shareForCombined" type="ShareExtraordinaryEventEnum">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        The consideration paid for the original shares following
        the Merger Event consists of both cash/securities and new
        shares.
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        Einstandspreis für die ursprünglichen Aktien nach Fusion
        beinhaltet sowohl Barmittel/Wertpapiere als auch neue
        Aktien.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="EquitySchedule">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Method of generating a series of dates.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Methode zur Generierung einer Reihe von Terminen.
    </xsd:documentation>
  </xsd:annotation>
</xsd:complexType>
<xsd:sequence>
  <xsd:element name="startDate" type="xsd:date">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        The averaging period start date.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="endDate" type="xsd:date">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        The averaging period end date.
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        Letzter Tag eines Durchschnittszeitraums.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="frequency" type="xsd:decimal">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        The schedule frequency.
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        Zahlungsfrequenz laut Zeitplan.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="frequencyType" type="FrequencyTypeEnum">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        The schedule frequency type
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        Art der Zahlungsfrequenz laut Zeitplan.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="weekNumber" type="xsd:decimal" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        The schedule week number.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>

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        </xsd:documentation>
        <xsd:documentation xml:lang="de">
            Wochenzahl im Zeitplan.
        </xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element name="dayOfWeek" type="WeeklyRollConventionEnum" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="EquityValuation">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">
            A type for defining how and when an equity option is to be
            valued.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
            Typ, mit dem Zeitpunkt und Art der Bewertung einer Aktienoption
            bestimmt wird.
        </xsd:documentation>
    </xsd:annotation>
</xsd:sequence>
    <xsd:choice minOccurs="0">
        <xsd:element name="valuationDate" type="AdjustableDateOrRelativeDateSequence">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">
                    The term "Valuation Date" is assumed to have the meaning
                    as defined in the ISDA 2002 Equity Derivatives
                    Definitions.
                </xsd:documentation>
                <xsd:documentation xml:lang="de">
                    "Bewertungstag" im Sinne der ISDA-Definitionen zu
                    Aktienderivaten von 2002.
                </xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <xsd:element name="valuationDates" type="AdjustableRelativeOrPeriodicDates">
            <xsd:annotation>
                <xsd:documentation xml:lang="en">
                    Specifies the interim equity valuation dates of the swap.
                </xsd:documentation>
            </xsd:annotation>
        </xsd:element>
    </xsd:choice>
    <xsd:element name="valuationTimeType" type="TimeTypeEnum" minOccurs="0">
        <xsd:annotation>
            <xsd:documentation xml:lang="en">
                The time of day at which the calculation agent values the
                underlying, for example the official closing time of the
                exchange.
            </xsd:documentation>
            <xsd:documentation xml:lang="de">
                Tageszeit, zu der die Berechnungsstelle den Basiswert
                bewertet, zum Beispiel der offizielle Börsenschluss.
            </xsd:documentation>
        </xsd:annotation>
    </xsd:element>
    <xsd:element name="valuationTime" type="BusinessCenterTime" minOccurs="0">
        <xsd:annotation>
            <xsd:documentation xml:lang="en">
                The specific time of day at which the calculation agent
                values the underlying.
            </xsd:documentation>
            <xsd:documentation xml:lang="de">
                Genaue Tageszeit, zu der die Bewertungsstelle den Basiswert
                bewertet.
            </xsd:documentation>
        </xsd:annotation>
    </xsd:element>
    <xsd:element name="futuresPriceValuation" type="xsd:boolean" minOccurs="0">
        <xsd:annotation>
            <xsd:documentation xml:lang="en">
                The official settlement price as announced by the related
                exchange is applicable, in accordance with the ISDA 2002
                definitions.
            </xsd:documentation>
            <xsd:documentation xml:lang="de">
                Es gilt der von der relevanten Börse veröffentlichte
                offizielle Abrechnungspreis im Sinne der ISDA-Definitionen
                von 2002.
            </xsd:documentation>
        </xsd:annotation>
    </xsd:element>
    <xsd:element name="optionsPriceValuation" type="xsd:boolean" minOccurs="0">

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<xsd:annotation>
  <xsd:documentation xml:lang="en">
    The official settlement price as announced by the related
    exchange is applicable, in accordance with the ISDA 2002
    definitions.
  </xsd:documentation>
  <xsd:documentation xml:lang="de">
    Es gilt der von der relevanten Börse veröffentlichte
    offizielle Abrechnungspreis im Sinne der ISDA-Definitionen
    von 2002.
  </xsd:documentation>
</xsd:annotation>
</xsd:element>
</xsd:sequence>
<xsd:attribute name="id" type="xsd:ID"/>
</xsd:complexType>
<xsd:complexType name="ExtraordinaryEvents">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Where the underlying is shares, defines market events affecting
      the issuer of those shares that may require the terms of the
      transaction to be adjusted.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Ist der Basiswert eine Aktie, werden hiermit Marktereignisse
      angegeben, die den Emittenten der Aktie betreffen und die eine
      Anpassung der Transaktionsbedingungen erfordern können.
    </xsd:documentation>
  </xsd:annotation>
</xsd:complexType>
<xsd:sequence>
  <xsd:element name="mergerEvents" type="EquityCorporateEvents" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        Occurs when the underlying ceases to exist following a
        merger between the Issuer and another company.
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        Dieses Element ist relevant, wenn der Basiswert nach einer
        Fusion zwischen dem Emittenten und einer anderen
        Gesellschaft nicht mehr existiert.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="tenderOffer" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="tenderOfferEvents" type="EquityCorporateEvents" minOccurs="0"/>
  <xsd:element name="compositionOfCombinedConsideration" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="indexAdjustmentEvents" type="IndexAdjustmentEvents" minOccurs="0"/>
  <xsd:choice>
    <xsd:element name="additionalDisruptionEvents" type="AdditionalDisruptionEvents"/>
    <xsd:element name="failureToDeliver" type="xsd:boolean"/>
  </xsd:choice>
  <xsd:element name="representations" type="Representations" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        ISDA 2002 Equity Derivative Representations
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="nationalisationOrInsolvency" type="NationalisationOrInsolvencyOrDelistingEventEnum" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        The terms "Nationalisation" and "Insolvency" have the
        meaning as defined in the ISDA 2002 Equity Derivatives
        Definitions.
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        "Verstaatlichung" und "Insolvenz" im Sinne der
        ISDA-Definitionen zu Aktienderivaten von 2002.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="delisting" type="NationalisationOrInsolvencyOrDelistingEventEnum" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        The term "Delisting" has the meaning defined in the ISDA
        2002 Equity Derivatives Definitions.
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        "Delisting" im Sinne der ISDA-Definitionen zu
        Aktienderivaten von 2002.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
</xsd:sequence>

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</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="FeaturePayment">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Payment made following trigger occurrence.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Nach Eintritt des Trigger-Ereignisses erfolgende Zahlung.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:group ref="PayerReceiver.model"/>
    <xsd:choice>
      <xsd:element name="levelPercentage" type="xsd:decimal">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            The trigger level percentage.
          </xsd:documentation>
          <xsd:documentation xml:lang="de">
            Triggerniveau, ausgedrückt als Prozentsatz.
          </xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="amount" type="xsd:decimal">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            The monetary quantity in currency units.
          </xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:choice>
    <xsd:element name="time" type="TimeTypeEnum" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The feature payment time.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Zeitpunkt der aus dem Optionsmerkmal resultierenden
          Zahlung.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="currency" type="Currency" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The currency in which an amount is denominated.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="featurePaymentDate" type="AdjustableOrRelativeDate" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The feature payment date.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Datum der aus dem Optionsmerkmal resultierenden Zahlung.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="FxFeature">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A type for defining Fx Features.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Typ zur Definition von Devisenbestandteilen.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="referenceCurrency" type="IdentifiedCurrency">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Specifies the reference currency of the trade.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:choice>
      <xsd:element name="composite" type="Composite"/>
      <xsd:element name="quanto" type="Quanto"/>
    </xsd:choice>
  </xsd:sequence>

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</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="IndexAdjustmentEvents">
  <xsd:sequence>
    <xsd:element name="indexModification" type="IndexEventConsequenceEnum"/>
    <xsd:element name="indexCancellation" type="IndexEventConsequenceEnum"/>
    <xsd:element name="indexDisruption" type="IndexEventConsequenceEnum"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Knock">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Knock In means option to exercise comes into existence. Knock
      Out means option to exercise goes out of existence
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      "Knock-in" bedeutet, dass eine Option durch das Überschreiten
      aktiviert wird. "Knock-out" bedeutet, dass eine Option nach dem
      Überschreiten erlischt.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="knockIn" type="TriggerEvent" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The knock in.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Knock-In.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="knockOut" type="TriggerEvent" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The knock out.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Knock-Out.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MakeWholeProvisions">
  <xsd:annotation>
    <xsd:documentation>
      A type to hold early exercise provisions.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="makeWholeDate" type="xsd:date">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Date through which option can not be exercised without
          penalty.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="recallSpread" type="xsd:decimal">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Spread used if exercised before make whole date. Early
          termination penalty. Expressed in bp, e.g. 25 bp.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MarketDisruption">
  <xsd:simpleContent>
    <xsd:extension base="xsd:normalizedString">
      <xsd:attribute name="marketDisruptionScheme" type="xsd:anyURI" default="http://www.fpm1
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="OptionFeatures">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A type for defining option features.
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Typ zur Definition von Optionsbestandteilen.
    </xsd:documentation>
  </xsd:annotation>

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</xsd:documentation>
</xsd:annotation>
<xsd:sequence>
  <xsd:element name="asian" type="Asian" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        An option where and average price is taken on valuation.
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        Option, deren Bewertung auf einem Durchschnittspreis
        basiert.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="barrier" type="Barrier" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        An option with a barrier feature.
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        Option mit Barrier-Merkmal.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="knock" type="Knock" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        A knock feature.
      </xsd:documentation>
      <xsd:documentation xml:lang="de">
        Knock-Spezifikation.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="passThrough" type="PassThrough" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        Pass through payments from the underlyer, such as
        dividends.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PassThrough">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Type which contains pass through payments.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="passThroughItem" type="PassThroughItem" maxOccurs="unbounded">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          One to many pass through payment items.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PassThroughItem">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Type to represent a single pass through payment.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:group ref="PayerReceiver.model"/>
    <xsd:element name="underlyerReference" type="Reference">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Reference to the underlyer whose payments are being passed
          through.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="passThroughPercentage" type="xsd:decimal">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          Percentage of payments from the underlyer which are passed
          through.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>

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    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Quanto">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Determines the currency rate that the seller of the equity
      amounts will apply at each valuation date for converting the
      respective amounts into a currency that is different from the
      currency denomination of the underlying.
    </xsd:documentation>
    <xsd:documentation xml:lang="en">
      Specifies the currency conversion rate(s) associated with the
      quanto. One rate will be defined for each pair of currencies
      involved.
    </xsd:documentation>
  </xsd:annotation>
</xsd:sequence>
  <xsd:element name="fxRate" type="FxRate" maxOccurs="unbounded">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        Specifies a currency conversion rate.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="fxSpotRateSource" type="FxSpotRateSource" minOccurs="0">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        Specifies the methodology (reference source and,
        optionally, fixing time) to be used for determining a
        currency conversion rate.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Representations">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      A type for defining ISDA 2002 Equity Derivative Representations
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="nonReliance" type="xsd:boolean"/>
    <xsd:element name="agreementsRegardingHedging" type="xsd:boolean"/>
    <xsd:element name="indexDisclaimer" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="additionalAcknowledgements" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Trigger">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Trigger point at which feature is effective
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Trigger-Niveau, bei dem bestimmte Merkmale einsetzen.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:choice>
      <xsd:element name="level" type="xsd:decimal">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            The trigger level.
          </xsd:documentation>
          <xsd:documentation xml:lang="de">
            Trigger-Niveau.
          </xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="levelPercentage" type="xsd:decimal">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            The trigger level percentage.
          </xsd:documentation>
          <xsd:documentation xml:lang="de">
            Triggerniveau, ausgedrückt als Prozentsatz.
          </xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:choice>
  </xsd:sequence>
</xsd:complexType>

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<xsd:complexType name="TriggerEvent">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Observation point for trigger
    </xsd:documentation>
    <xsd:documentation xml:lang="de">
      Beobachtungspunkt für das Trigger-Ereignis.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="schedule" type="EquitySchedule" minOccurs="0" maxOccurs="unbounded">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          A Equity Derivative schedule.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Zeitplan für Aktienderivate.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="triggerDates" type="DateList" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The trigger Dates
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Trigger-Tage.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="trigger" type="Trigger">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The trigger level.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Trigger-Niveau.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="featurePayment" type="FeaturePayment" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation xml:lang="en">
          The feature payment.
        </xsd:documentation>
        <xsd:documentation xml:lang="de">
          Aus dem Optionsmerkmal resultierende Zahlung.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
</xsd:schema>

```