

Schema documentation for CDML-datatypes-003.xsd

september 3, 2014

Table of Contents

Namespace: "urn:cdml:schema:common:types"	1
Schema(s)	1
Main schema CDML-datatypes-003.xsd	1
Element(s)	2
Element cdml:CDMLReportType / cdml:reportDate	2
Element cdml:CDMLReportType / cdml:intraday	2
Element cdml:AttributeCollectionType / cdml:attr	2
Element cdml:AttributableType / cdml:attrs	3
Simple Type(s)	3
Simple Type cdml:ReportDateType	3
Simple Type cdml:ReportGenerationDateTimeType	3
Simple Type cdml:ReportModelVersionType	4
Simple Type cdml:ReportVersionType	4
Simple Type cdml:TradeIdType	4
Simple Type cdml:AlphanumericIdType	5
Simple Type cdml:CCPIDType	5
Simple Type cdml:ClearingServiceType	5
Simple Type cdml:AccountIdType	6
Simple Type cdml:SegregationTypeType	6
Simple Type cdml:SegregationAccountType	6
Simple Type cdml:CurrencyType	7
Simple Type cdml:MemberIdType	13
Simple Type cdml:FXConversionType	13
Simple Type cdml:AmountType	14
Simple Type cdml:AmountTypeType	14
Complex Type(s)	14
Complex Type cdml:CDMLReportType	14
Complex Type cdml:AttributeType	15
Complex Type cdml:AttributeCollectionType	16
Complex Type cdml:AttributableType	16
Complex Type cdml:TypedAmountType	17
Namespace: ""	17
Attribute(s)	17
Attribute cdml:CDMLReportType / @modelVersion	17
Attribute cdml:CDMLReportType / @version	18
Attribute cdml:CDMLReportType / @generationDateTime	18
Attribute cdml:AttributeType / @key	18
Attribute cdml:AttributeType / @value	18
Attribute cdml:TypedAmountType / @type	18
Attribute cdml:TypedAmountType / @amount	19

Namespace: "urn:cdml:schema:common:types"

Schema(s)

Main schema CDML-datatypes-003.xsd

Namespace	urn:cdml:schema:common:types
Annotations	Datatype definitions shared by all CDML document types. ##### CDML specification version history ##### v0 (000) : initial development version v1 (001) : initial release version v2 (002) : EMIR support changes - deprecated segregationType

	- added segregationAccount v3 (003) : added intraday flag #####
Properties	attribute form default: unqualified element form default: qualified version: 2

Element(s)

Element **cdml:CDMLReportType** / **cdml:reportDate**

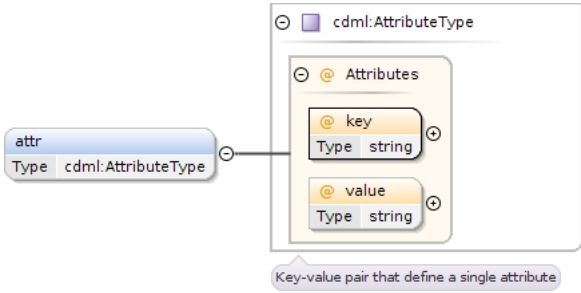
Namespace	urn:cdml:schema:common:types
Annotations	Business date on which the report data is valid
Diagram	
Type	cdml:ReportDateType
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<pre><element name="reportDate" type="cdml:ReportDateType" minOccurs="1" maxOccurs="1"> <annotation> <documentation>Business date on which the report data is valid</documentation> </annotation> </element></pre>

Element **cdml:CDMLReportType** / **cdml:intraday**

Namespace	urn:cdml:schema:common:types
Annotations	Indicates if the data in this report has been generated intraday. The lack of this flag should be interpreted as it being false
Diagram	
Type	boolean
Properties	content: simple minOccurs: 0 maxOccurs: 1 default: false
Source	<pre><element name="intraday" type="boolean" minOccurs="0" maxOccurs="1" default="false"> <annotation> <documentation>Indicates if the data in this report has been generated intraday. The lack of this flag should be interpreted as it being false</documentation> </annotation> </element></pre>

Element **cdml:AttributeCollectionType** / **cdml:attr**

Namespace	urn:cdml:schema:common:types
-----------	------------------------------

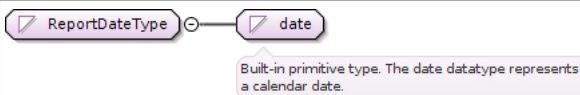
Diagram			
Type	cdml:AttributeType		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	unbounded	
Attributes	QName	Type	Use
	key	string	required
	value	string	optional
Source	<code><element name="attr" type="cdml:AttributeType" maxOccurs="unbounded" minOccurs="0"/></code>		

Element cdml:AttributableType / cdml:attrs

Namespace	urn:cdml:schema:common:types		
Diagram			
Type	cdml:AttributeCollectionType		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Model	cdml:attr*		
Children	cdml:attr		
Instance	<pre><cdml:attrs xmlns:cdml="urn:cdml:schema:common:types"> <cdml:attr key="" value="">{0,unbounded}</cdml:attr> </cdml:attrs></pre>		
Source	<pre><element name="attrs" type="cdml:AttributeCollectionType" maxOccurs="1" minOccurs="0"/></pre>		

Simple Type(s)

Simple Type cdml:ReportDateType

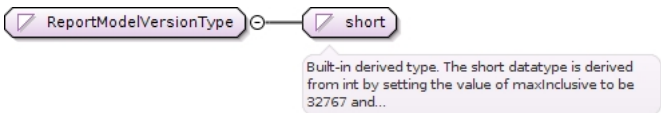
Namespace	urn:cdml:schema:common:types		
Diagram	 The diagram illustrates the relationship between the <code>ReportDateType</code> and the <code>date</code> type. <code>ReportDateType</code> is shown as a box with a restriction icon (a circle with a diagonal line) and a line connecting it to the <code>date</code> box, which also has a restriction icon. A callout points to the <code>date</code> box with the text: "Built-in primitive type. The date datatype represents a calendar date."		
Type	date		
Used by	Element	cdml:CDMLReportType/cdml:reportDate	
Source	<pre><simpleType name="ReportDateType"> <restriction base="date"/> </simpleType></pre>		

Simple Type cdml:ReportGenerationDateTimeType

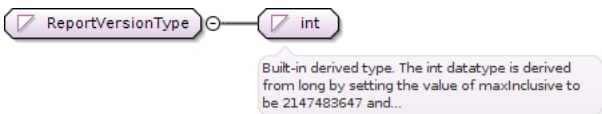
Namespace	urn:cdml:schema:common:types		
-----------	------------------------------	--	--

Diagram	
Type	dateTime
Used by	Attribute cdml:CDMLReportType/@generationDateTime
Source	<pre><simpleType name="ReportGenerationDateTimeType"> <restriction base="dateTime"/> </simpleType></pre>

Simple Type cdml:ReportModelVersionType

Namespace	urn:cdml:schema:common:types
Diagram	
Type	restriction of short
Facets	minInclusive 0
Used by	Attribute cdml:CDMLReportType/@modelVersion
Source	<pre><simpleType name="ReportModelVersionType"> <restriction base="short"> <minInclusive value="0"/> </restriction> </simpleType></pre>

Simple Type cdml:ReportVersionType

Namespace	urn:cdml:schema:common:types
Diagram	
Type	restriction of int
Facets	minInclusive 0
Used by	Attribute cdml:CDMLReportType/@version
Source	<pre><simpleType name="ReportVersionType"> <restriction base="int"> <minInclusive value="0"/> </restriction> </simpleType></pre>

Simple Type cdml:TradeIdType

Namespace	urn:cdml:schema:common:types
Annotations	Arbitrary trade identifier
Diagram	
Type	restriction of cdml:AlphanumericIdType
Type hierarchy	- token - cdml:AlphanumericIdType - cdml:TradeIdType
Facets	minLength 1 maxLength 256
Source	<pre><simpleType name="TradeIdType"> <annotation> <documentation>Arbitrary trade identifier</documentation> </annotation> <restriction base="cdml:AlphanumericIdType"> <minLength value="1"/> <maxLength value="256"/> </restriction> </simpleType></pre>

```

</annotation>
<restriction base="cdml:AlphanumericIdType">
  <minLength value="1"/>
  <maxLength value="256"/>
</restriction>
</simpleType>

```

Simple Type cdml:AlphanumericIdType

Namespace	urn:cdml:schema:common:types
Annotations	Non empty identifier
Diagram	
Type	token
Used by	Simple Types cdml:AccountIdType, cdml:AmountTypeType, cdml:CCPidType, cdml:MemberIdType, cdml:SegregationAccountType, cdml:TradeIdType
Source	<pre> <simpleType name="AlphanumericIdType"> <annotation> <documentation>Non empty identifier</documentation> </annotation> <restriction base="token"/> </simpleType> </pre>

Simple Type cdml:CCPidType

Namespace	urn:cdml:schema:common:types				
Annotations	CCP Identifier				
Diagram					
Type	restriction of cdml:AlphanumericIdType				
Type hierarchy	- token - cdml:AlphanumericIdType - cdml:CCPidType				
Facets	<table> <tr> <td>minLength</td><td>1</td></tr> <tr> <td>maxLength</td><td>64</td></tr> </table>	minLength	1	maxLength	64
minLength	1				
maxLength	64				
Source	<pre> <simpleType name="CCPidType"> <annotation> <documentation>CCP Identifier</documentation> </annotation> <restriction base="cdml:AlphanumericIdType"> <minLength value="1"/> <maxLength value="64"/> </restriction> </simpleType> </pre>				

Simple Type cdml:ClearingServiceType

Namespace	urn:cdml:schema:common:types				
Annotations	Arbitrary identifier for a product or group of products, as reported by the CCP. It usually represents the group of elements that can be margined together, although the interpretation is flexible				
Diagram					
Type	restriction of string				
Facets	<table> <tr> <td>minLength</td><td>1</td></tr> <tr> <td>maxLength</td><td>32</td></tr> </table>	minLength	1	maxLength	32
minLength	1				
maxLength	32				

Source	<pre> <simpleType name="ClearingServiceType"> <annotation> <documentation>Arbitrary identifier for a product or group of products, as reported by the CCP. It usually represents the group of elements that can be margined together, although the interpretation is flexible</documentation> </annotation> <restriction base="string"> <minLength value="1"/> <maxLength value="32"/> </restriction> </simpleType> </pre>
--------	--

Simple Type cdml:AccountIdType

Namespace	urn:cdml:schema:common:types				
Annotations	Account Identifier				
Diagram					
Type	restriction of cdml:AlphanumericIdType				
Type hierarchy	- token - cdml:AlphanumericIdType - cdml:AccountIdType				
Facets	<table> <tr> <td>minLength</td><td>1</td></tr> <tr> <td>maxLength</td><td>64</td></tr> </table>	minLength	1	maxLength	64
minLength	1				
maxLength	64				
Source	<pre> <simpleType name="AccountIdType"> <annotation> <documentation>Account Identifier</documentation> </annotation> <restriction base="cdml:AlphanumericIdType"> <minLength value="1"/> <maxLength value="64"/> </restriction> </simpleType> </pre>				

Simple Type cdml:SegregationTypeType

Namespace	urn:cdml:schema:common:types				
Annotations	The use of SegregationTypeType is deprecated. Future versions of the CDML specification may remove this datatype. SegregationAccountType represents a superset of the values allowed by SegregationTypeType, although CDML consumers may interpret the former with a different set of rules.				
Diagram					
Type	restriction of string				
Facets	<table> <tr> <td>enumeration</td><td>CLIENT</td></tr> <tr> <td>enumeration</td><td>HOUSE</td></tr> </table>	enumeration	CLIENT	enumeration	HOUSE
enumeration	CLIENT				
enumeration	HOUSE				
Source	<pre> <simpleType name="SegregationTypeType"> <annotation> <documentation>The use of SegregationTypeType is deprecated. Future versions of the CDML specification may remove this datatype. SegregationAccountType represents a superset of the values allowed by SegregationTypeType, although CDML consumers may interpret the former with a different set of rules.</documentation> </annotation> <restriction base="string"> <enumeration value="CLIENT"/> <enumeration value="HOUSE"/> </restriction> </simpleType> </pre>				

Simple Type cdml:SegregationAccountType

Namespace	urn:cdml:schema:common:types
-----------	------------------------------

Diagram					
Type	restriction of cdml:AlphanumericIdType				
Type hierarchy	- token - cdml:AlphanumericIdType - cdml:SegregationAccountType				
Facets	<table> <tr> <td>minLength</td><td>1</td></tr> <tr> <td>maxLength</td><td>64</td></tr> </table>	minLength	1	maxLength	64
minLength	1				
maxLength	64				
Source	<pre><simpleType name="SegregationAccountType"> <restriction base="cdml:AlphanumericIdType"> <minLength value="1"/> <maxLength value="64"/> </restriction> </simpleType></pre>				

Simple Type cdml:CurrencyType

Namespace	urn:cdml:schema:common:types																																																								
Annotations	ISO 4217 currency code																																																								
Diagram																																																									
Type	restriction of string																																																								
Facets	<table> <tr><td>enumeration</td><td>AED</td></tr> <tr><td>enumeration</td><td>AFN</td></tr> <tr><td>enumeration</td><td>ALL</td></tr> <tr><td>enumeration</td><td>AMD</td></tr> <tr><td>enumeration</td><td>ANG</td></tr> <tr><td>enumeration</td><td>AOA</td></tr> <tr><td>enumeration</td><td>ARS</td></tr> <tr><td>enumeration</td><td>AUD</td></tr> <tr><td>enumeration</td><td>AWG</td></tr> <tr><td>enumeration</td><td>AZN</td></tr> <tr><td>enumeration</td><td>BAM</td></tr> <tr><td>enumeration</td><td>BBD</td></tr> <tr><td>enumeration</td><td>BDT</td></tr> <tr><td>enumeration</td><td>BGN</td></tr> <tr><td>enumeration</td><td>BHD</td></tr> <tr><td>enumeration</td><td>BIF</td></tr> <tr><td>enumeration</td><td>BMD</td></tr> <tr><td>enumeration</td><td>BND</td></tr> <tr><td>enumeration</td><td>BOB</td></tr> <tr><td>enumeration</td><td>BOV</td></tr> <tr><td>enumeration</td><td>BRL</td></tr> <tr><td>enumeration</td><td>BSD</td></tr> <tr><td>enumeration</td><td>BTN</td></tr> <tr><td>enumeration</td><td>BWP</td></tr> <tr><td>enumeration</td><td>BYR</td></tr> <tr><td>enumeration</td><td>BZD</td></tr> <tr><td>enumeration</td><td>CAD</td></tr> <tr><td>enumeration</td><td>CDF</td></tr> </table>	enumeration	AED	enumeration	AFN	enumeration	ALL	enumeration	AMD	enumeration	ANG	enumeration	AOA	enumeration	ARS	enumeration	AUD	enumeration	AWG	enumeration	AZN	enumeration	BAM	enumeration	BBD	enumeration	BDT	enumeration	BGN	enumeration	BHD	enumeration	BIF	enumeration	BMD	enumeration	BND	enumeration	BOB	enumeration	BOV	enumeration	BRL	enumeration	BSD	enumeration	BTN	enumeration	BWP	enumeration	BYR	enumeration	BZD	enumeration	CAD	enumeration	CDF
enumeration	AED																																																								
enumeration	AFN																																																								
enumeration	ALL																																																								
enumeration	AMD																																																								
enumeration	ANG																																																								
enumeration	AOA																																																								
enumeration	ARS																																																								
enumeration	AUD																																																								
enumeration	AWG																																																								
enumeration	AZN																																																								
enumeration	BAM																																																								
enumeration	BBD																																																								
enumeration	BDT																																																								
enumeration	BGN																																																								
enumeration	BHD																																																								
enumeration	BIF																																																								
enumeration	BMD																																																								
enumeration	BND																																																								
enumeration	BOB																																																								
enumeration	BOV																																																								
enumeration	BRL																																																								
enumeration	BSD																																																								
enumeration	BTN																																																								
enumeration	BWP																																																								
enumeration	BYR																																																								
enumeration	BZD																																																								
enumeration	CAD																																																								
enumeration	CDF																																																								

enumeration	CHE
enumeration	CHF
enumeration	CHW
enumeration	CLF
enumeration	CLP
enumeration	CNY
enumeration	COP
enumeration	COU
enumeration	CRC
enumeration	CUC
enumeration	CUP
enumeration	CVE
enumeration	CZK
enumeration	DJF
enumeration	DKK
enumeration	DOP
enumeration	DZD
enumeration	EGP
enumeration	ERN
enumeration	ETB
enumeration	EUR
enumeration	FJD
enumeration	FKP
enumeration	GBP
enumeration	GEL
enumeration	GHS
enumeration	GIP
enumeration	GMD
enumeration	GNF
enumeration	GTQ
enumeration	GYD
enumeration	HKD
enumeration	HNL
enumeration	HRK
enumeration	HTG
enumeration	HUF
enumeration	IDR
enumeration	ILS
enumeration	INR
enumeration	IQD
enumeration	IRR
enumeration	ISK
enumeration	JMD
enumeration	JOD
enumeration	JPY
enumeration	KES
enumeration	KGS
enumeration	KHR
enumeration	KMF

enumeration	KPW
enumeration	KRW
enumeration	KWD
enumeration	KYD
enumeration	KZT
enumeration	LAK
enumeration	LBP
enumeration	LKR
enumeration	LRD
enumeration	LSL
enumeration	LTL
enumeration	LVL
enumeration	LYD
enumeration	MAD
enumeration	MDL
enumeration	MGA
enumeration	MKD
enumeration	MMK
enumeration	MNT
enumeration	MOP
enumeration	MRO
enumeration	MUR
enumeration	MVR
enumeration	MWK
enumeration	MXN
enumeration	MXV
enumeration	MYR
enumeration	MZN
enumeration	NAD
enumeration	NGN
enumeration	NIO
enumeration	NOK
enumeration	NPR
enumeration	NZD
enumeration	OMR
enumeration	PAB
enumeration	PEN
enumeration	PGK
enumeration	PHP
enumeration	PKR
enumeration	PLN
enumeration	PYG
enumeration	QAR
enumeration	RON
enumeration	RSD
enumeration	RUB
enumeration	RWF
enumeration	SAR
enumeration	SBD

enumeration	SCR
enumeration	SDG
enumeration	SEK
enumeration	SGD
enumeration	SHP
enumeration	SLL
enumeration	SOS
enumeration	SRD
enumeration	SSP
enumeration	STD
enumeration	SYP
enumeration	SZL
enumeration	THB
enumeration	TJS
enumeration	TMT
enumeration	TND
enumeration	TOP
enumeration	TRY
enumeration	TTD
enumeration	TWD
enumeration	TZS
enumeration	UAH
enumeration	UGX
enumeration	USD
enumeration	USN
enumeration	USS
enumeration	UYI
enumeration	UYU
enumeration	UZS
enumeration	VEF
enumeration	VND
enumeration	VUV
enumeration	WST
enumeration	XAF
enumeration	XAG
enumeration	XAU
enumeration	XBA
enumeration	XBB
enumeration	XBC
enumeration	XBD
enumeration	XCD
enumeration	XDR
enumeration	XFU
enumeration	XOF
enumeration	XPB
enumeration	XPF
enumeration	XPT
enumeration	XTS
enumeration	XXX

	enumeration	YER
	enumeration	ZAR
	enumeration	ZMW
Source	<pre> <simpleType name="CurrencyType"> <annotation> <documentation>ISO 4217 currency code</documentation> </annotation> <restriction base="string"> <enumeration value="AED"/> <enumeration value="AFN"/> <enumeration value="ALL"/> <enumeration value="AMD"/> <enumeration value="ANG"/> <enumeration value="AOA"/> <enumeration value="ARS"/> <enumeration value="AUD"/> <enumeration value="AWG"/> <enumeration value="AZN"/> <enumeration value="BAM"/> <enumeration value="BBD"/> <enumeration value="BDT"/> <enumeration value="BGN"/> <enumeration value="BHD"/> <enumeration value="BIF"/> <enumeration value="BMD"/> <enumeration value="BND"/> <enumeration value="BOB"/> <enumeration value="BOV"/> <enumeration value="BRL"/> <enumeration value="BSD"/> <enumeration value="BTN"/> <enumeration value="BWP"/> <enumeration value="BYR"/> <enumeration value="BZD"/> <enumeration value="CAD"/> <enumeration value="CDF"/> <enumeration value="CHE"/> <enumeration value="CHF"/> <enumeration value="CHW"/> <enumeration value="CLF"/> <enumeration value="CLP"/> <enumeration value="CNY"/> <enumeration value="COP"/> <enumeration value="COU"/> <enumeration value="CRC"/> <enumeration value="CUC"/> <enumeration value="CUP"/> <enumeration value="CVE"/> <enumeration value="CZK"/> <enumeration value="DJF"/> <enumeration value="DKK"/> <enumeration value="DOP"/> <enumeration value="DZD"/> <enumeration value="EGP"/> <enumeration value="ERN"/> <enumeration value="ETB"/> <enumeration value="EUR"/> <enumeration value="FJD"/> <enumeration value="FKP"/> <enumeration value="GBP"/> <enumeration value="GEL"/> <enumeration value="GHS"/> <enumeration value="GIP"/> <enumeration value="GMD"/> <enumeration value="GNF"/> <enumeration value="GTQ"/> <enumeration value="GYD"/> <enumeration value="HKD"/> <enumeration value="HNL"/> <enumeration value="HRK"/> <enumeration value="HTG"/> <enumeration value="HUF"/> <enumeration value="IDR"/> <enumeration value="ILS"/> <enumeration value="INR"/> <enumeration value="IQD"/> <enumeration value="IRR"/> <enumeration value="ISK"/> <enumeration value="JMD"/> <enumeration value="JOD"/> </pre>	

```

<enumeration value="JPY"/>
<enumeration value="KES"/>
<enumeration value="KGS"/>
<enumeration value="KHR"/>
<enumeration value="KMF"/>
<enumeration value="KPW"/>
<enumeration value="KRW"/>
<enumeration value="KWD"/>
<enumeration value="KYD"/>
<enumeration value="KZT"/>
<enumeration value="LAK"/>
<enumeration value="LBP"/>
<enumeration value="LKR"/>
<enumeration value="LRD"/>
<enumeration value="LSL"/>
<enumeration value="LTL"/>
<enumeration value="LVL"/>
<enumeration value="LYD"/>
<enumeration value="MAD"/>
<enumeration value="MDL"/>
<enumeration value="MGA"/>
<enumeration value="MKD"/>
<enumeration value="MMK"/>
<enumeration value="MNT"/>
<enumeration value="MOP"/>
<enumeration value="MRO"/>
<enumeration value="MUR"/>
<enumeration value="MVR"/>
<enumeration value="MWK"/>
<enumeration value="MXN"/>
<enumeration value="MXV"/>
<enumeration value="MYR"/>
<enumeration value="MZN"/>
<enumeration value="NAD"/>
<enumeration value="NGN"/>
<enumeration value="NIO"/>
<enumeration value="NOK"/>
<enumeration value="NPR"/>
<enumeration value="NZD"/>
<enumeration value="OMR"/>
<enumeration value="PAB"/>
<enumeration value="PEN"/>
<enumeration value="PGK"/>
<enumeration value="PHP"/>
<enumeration value="PKR"/>
<enumeration value="PLN"/>
<enumeration value="PYG"/>
<enumeration value="QAR"/>
<enumeration value="RON"/>
<enumeration value="RSD"/>
<enumeration value="RUB"/>
<enumeration value="RWF"/>
<enumeration value="SAR"/>
<enumeration value="SBD"/>
<enumeration value="SCR"/>
<enumeration value="SDG"/>
<enumeration value="SEK"/>
<enumeration value="SGD"/>
<enumeration value="SHP"/>
<enumeration value="SLL"/>
<enumeration value="SOS"/>
<enumeration value="SRD"/>
<enumeration value="SSP"/>
<enumeration value="STD"/>
<enumeration value="SYP"/>
<enumeration value="SZL"/>
<enumeration value="THB"/>
<enumeration value="TJS"/>
<enumeration value="TMT"/>
<enumeration value="TND"/>
<enumeration value="TOP"/>
<enumeration value="TRY"/>
<enumeration value="TTD"/>
<enumeration value="TWD"/>
<enumeration value="TZS"/>
<enumeration value="UAH"/>
<enumeration value="UGX"/>
<enumeration value="USD"/>
<enumeration value="USN"/>
<enumeration value="USS"/>
<enumeration value="UYI"/>
<enumeration value="UYU"/>
<enumeration value="UZS"/>

```

```

<enumeration value="VEF"/>
<enumeration value="VND"/>
<enumeration value="VUV"/>
<enumeration value="WST"/>
<enumeration value="XAF"/>
<enumeration value="XAG"/>
<enumeration value="XAU"/>
<enumeration value="XBA"/>
<enumeration value="XBB"/>
<enumeration value="XBC"/>
<enumeration value="XBD"/>
<enumeration value="XCD"/>
<enumeration value="XDR"/>
<enumeration value="XFU"/>
<enumeration value="XOF"/>
<enumeration value="XPD"/>
<enumeration value="XPF"/>
<enumeration value="XPT"/>
<enumeration value="XTS"/>
<enumeration value="XXX"/>
<enumeration value="YER"/>
<enumeration value="ZAR"/>
<enumeration value="ZMW"/>
</restriction>
</simpleType>

```

Simple Type cdml:MemberIdType

Namespace	urn:cdml:schema:common:types				
Annotations	Member identifier, as defined by the counterparty organization				
Diagram					
Type	restriction of cdml:AlphanumericIdType				
Type hierarchy	- token - cdml:AlphanumericIdType - cdml:MemberIdType				
Facets	<table> <tr> <td>minLength</td><td>1</td></tr> <tr> <td>maxLength</td><td>256</td></tr> </table>	minLength	1	maxLength	256
minLength	1				
maxLength	256				
Source	<pre> <simpleType name="MemberIdType"> <annotation> <documentation>Member identifier, as defined by the counterparty organization</documentation> </annotation> <restriction base="cdml:AlphanumericIdType"> <minLength value="1"/> <maxLength value="256"/> </restriction> </simpleType> </pre>				

Simple Type cdml:FXConversionType

Namespace	urn:cdml:schema:common:types		
Annotations	To avoid confusions, this should only be used as a multiplicative conversion rate: producers/consumers of the format can later agree on conventions about currency order		
Diagram			
Type	restriction of double		
Facets	<table> <tr> <td>minExclusive</td><td>0.0</td></tr> </table>	minExclusive	0.0
minExclusive	0.0		
Source	<pre> <simpleType name="FXConversionType"> <annotation> <documentation>To avoid confusions, this should only be used as a multiplicative conversion rate: producers/consumers of the format can later agree on conventions about currency order</documentation> </annotation> <restriction base="double"> <minExclusive value="0.0"/> </restriction> </simpleType> </pre>		

```
</annotation>
<restriction base="double">
  <minExclusive value="0.0"/>
</restriction>
</simpleType>
```

Simple Type `cdml:AmountType`

Namespace	urn:cdml:schema:common:types
Annotations	A monetary amount
Diagram	
Type	double
Used by	Attribute <code>cdml:TypedAmountType/@amount</code>
Source	<pre><simpleType name="AmountType"> <annotation> <documentation>A monetary amount</documentation> </annotation> <restriction base="double"/> </simpleType></pre>

Simple Type `cdml:AmountTypeType`

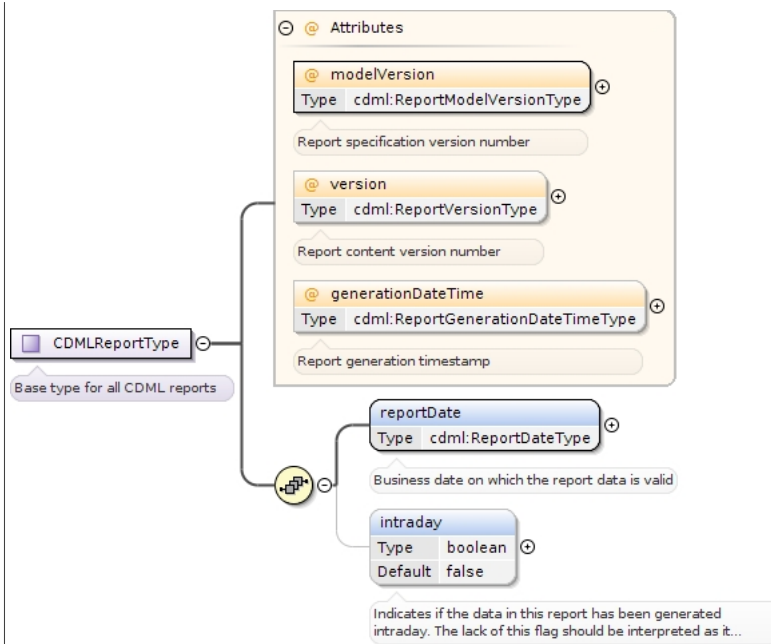
Namespace	urn:cdml:schema:common:types				
Annotations	Identifier for given monetary amount				
Diagram					
Type	restriction of <code>cdml:AlphanumericIdType</code>				
Type hierarchy	- token <code>cdml:AlphanumericIdType</code> <code>cdml:AmountTypeType</code>				
Facets	<table> <tr> <td><code>minLength</code></td><td>1</td></tr> <tr> <td><code>maxLength</code></td><td>128</td></tr> </table>	<code>minLength</code>	1	<code>maxLength</code>	128
<code>minLength</code>	1				
<code>maxLength</code>	128				
Used by	Attribute <code>cdml:TypedAmountType/@type</code>				
Source	<pre><simpleType name="AmountTypeType"> <annotation> <documentation>Identifier for given monetary amount</documentation> </annotation> <restriction base="cdml:AlphanumericIdType"> <minLength value="1"/> <maxLength value="128"/> </restriction> </simpleType></pre>				

Complex Type(s)

Complex Type `cdml:CDMLReportType`

Namespace	urn:cdml:schema:common:types
Annotations	Base type for all CDML reports

Diagram



Model cdml:reportDate , cdml:intraday{0,1}

Children cdml:intraday, cdml:reportDate

Attributes	QName	Type	Use	
	generationDateTime	cdml:ReportGenerationDateTimeType	optional	
		Report generation timestamp		
	modelVersion	cdml:ReportModelVersionType	required	
		Report specification version number		
	version	cdml:ReportVersionType	optional	
		Report content version number		

Source

```

<complexType name="CDMLReportType">
  <annotation>
    <documentation>Base type for all CDML reports</documentation>
  </annotation>
  <sequence>
    <element name="reportDate" type="cdml:ReportDateType" minOccurs="1" maxOccurs="1">
      <annotation>
        <documentation>Business date on which the report data is valid</documentation>
      </annotation>
    </element>
    <element name="intraday" type="boolean" minOccurs="0" maxOccurs="1" default="false">
      <annotation>
        <documentation>Indicates if the data in this report has been generated intraday. The lack of
this flag should be interpreted as it being false</documentation>
      </annotation>
    </element>
  </sequence>
  <attribute name="modelVersion" type="cdml:ReportModelVersionType" use="required">
    <annotation>
      <documentation>Report specification version number</documentation>
    </annotation>
  </attribute>
  <attribute name="version" type="cdml:ReportVersionType" use="optional">
    <annotation>
      <documentation>Report content version number</documentation>
    </annotation>
  </attribute>
  <attribute name="generationDateTime" type="cdml:ReportGenerationDateTimeType" use="optional">
    <annotation>
      <documentation>Report generation timestamp</documentation>
    </annotation>
  </attribute>
</complexType>
  
```

Complex Type cdml:AttributeType

Namespace urn:cdml:schema:common:types

Annotations	Key-value pair that define a single attribute			
Diagram				
Used by	Element	cdml:AttributeCollectionType/cdml:attr		
Attributes	QName	Type	Use	
	key	string	required	
	value	string	optional	
Source	<pre><complexType name="AttributeType"> <annotation> <documentation>Key-value pair that define a single attribute</documentation> </annotation> <attribute name="key" type="string" use="required"/> <attribute name="value" type="string"/> </complexType></pre>			

Complex Type cdml:AttributeCollectionType

Namespace	urn:cdml:schema:common:types		
Annotations	Collection of key-value attributes. Order is not relevant, and keys can be repeated: it's up to producers/consumers of the format to decide if multi valued attributes are allowed, or validation failure should happen		
Diagram	Collection of key-value attributes. Order is not relevant, and keys can be repeated: it's up to producers/consumers of...		
Used by	Element	cdml:AttributableType/cdml:attrs	
Model	cdml:attr*		
Children	cdml:attr		
Source	<pre><complexType name="AttributeCollectionType"> <annotation> <documentation>Collection of key-value attributes. Order is not relevant, and keys can be repeated: it's up to producers/consumers of the format to decide if multi valued attributes are allowed, or validation failure should happen</documentation> </annotation> <sequence> <element name="attr" type="cdml:AttributeType" maxOccurs="unbounded" minOccurs="0"/> </sequence> </complexType></pre>		

Complex Type cdml:AttributableType

Namespace	urn:cdml:schema:common:types		
Annotations	Extending types can store an arbitrary number of key-value attributes		
Diagram	Extending types can store an arbitrary number of key-value attributes attrs Type cdml.AttributeCollectionType		
Used by	Complex Type	cdml:TypedAmountType	
Model	cdml:attrs{0,1}		
Children	cdml:attrs		
Source	<pre><complexType name="AttributableType"> <annotation> <documentation>Extending types can store an arbitrary number of key-value attributes</documentation> </annotation></pre>		

```
<sequence>
  <element name="attrs" type="cdml:AttributeCollectionType" maxOccurs="1" minOccurs="0"/>
</sequence>
</complexType>
```

Complex Type cdml:TypedAmountType

Namespace	urn:cdml:schema:common:types			
Annotations	Convenience pairing of an amount and an amount type, and an arbitrary collection of optional attributes			
Diagram				
Type	extension of cdml:AttributableType			
Type hierarchy	- cdml:AttributableType - cdml:TypedAmountType			
Model	cdml:attrs{0,1}			
Children	cdml:attrs			
Attributes	QName	Type	Use	
	amount	cdml:AmountType	required	
	type	cdml:AmountTypeType	required	
Source	<pre><complexType name="TypedAmountType"> <annotation> <documentation>Convenience pairing of an amount and an amount type, and an arbitrary collection of optional attributes</documentation> </annotation> <complexContent> <extension base="cdml:AttributableType"> <attribute name="type" type="cdml:AmountTypeType" use="required"/> <attribute name="amount" type="cdml:AmountType" use="required"/> </extension> </complexContent> </complexType></pre>			

Namespace: ""

Attribute(s)

Attribute cdml:CDMLReportType / @modelVersion

Namespace	No namespace		
Annotations	Report specification version number		
Type	cdml:ReportModelVersionType		
Properties	use:	required	
Facets	minInclusive	0	
Used by	Complex Type	cdml:CDMLReportType	
Source	<pre><attribute name="modelVersion" type="cdml:ReportModelVersionType" use="required"> <annotation> <documentation>Report specification version number</documentation> </annotation> </attribute></pre>		

Attribute **cdml:CDMLReportType** / **@version**

Namespace	No namespace
Annotations	Report content version number
Type	cdml:ReportVersionType
Properties	use: optional
Facets	minInclusive 0
Used by	Complex Type cdml:CDMLReportType
Source	<pre><attribute name="version" type="cdml:ReportVersionType" use="optional"> <annotation> <documentation>Report content version number</documentation> </annotation> </attribute></pre>

Attribute **cdml:CDMLReportType** / **@generationDateTime**

Namespace	No namespace
Annotations	Report generation timestamp
Type	cdml:ReportGenerationDateTimeType
Properties	use: optional
Used by	Complex Type cdml:CDMLReportType
Source	<pre><attribute name="generationDateTime" type="cdml:ReportGenerationDateTimeType" use="optional"> <annotation> <documentation>Report generation timestamp</documentation> </annotation> </attribute></pre>

Attribute **cdml:AttributeType** / **@key**

Namespace	No namespace
Type	string
Properties	use: required
Used by	Complex Type cdml:AttributeType
Source	<pre><attribute name="key" type="string" use="required"/></pre>

Attribute **cdml:AttributeType** / **@value**

Namespace	No namespace
Type	string
Properties	content: simple
Used by	Complex Type cdml:AttributeType
Source	<pre><attribute name="value" type="string"/></pre>

Attribute **cdml:TypedAmountType** / **@type**

Namespace	No namespace				
Type	cdml:AmountTypeType				
Type hierarchy	- token - cdml:AlphanumericIdType - cdml:AmountTypeType				
Properties	use: required				
Facets	<table> <tr> <td>minLength</td><td>1</td></tr> <tr> <td>maxLength</td><td>128</td></tr> </table>	minLength	1	maxLength	128
minLength	1				
maxLength	128				

Used by	Complex Type cdml:TypedAmountType
Source	<code><attribute name="type" type="cdml:AmountTypeType" use="required"/></code>

Attribute **cdml:TypedAmountType** / **@amount**

Namespace	No namespace
Type	cdml:AmountType
Properties	use: required
Used by	Complex Type cdml:TypedAmountType
Source	<code><attribute name="amount" type="cdml:AmountType" use="required"/></code>