XMLスキーマ技術課題

1. **メッセージ生成**

MA ASMA ABIE

ASMA ABIE

……. …….

（注文メッセージの例）

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| <?xml version="1.0" encoding="UTF-8"?> | | |  |  | |  | |  |  | |  |  |  |
| <!-- ===== CrossIndustryOrder Schema Module ===== --> | | |  |  | |  | |  |  | |  |  |  |
|  | | |  |  | |  | |  |  | |  |  |  |
| <xsd:element name="CrossIndustryOrder"  type="rsm:CrossIndustryOrderType"> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |
| </xsd:element> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |
| <xsd:complexType name="CrossIndustryOrderType"> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |
| <xsd:sequence> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |
| <xsd:element name="CIExchangedDocumentContext" type="ram:CIExchangedDocumentContextType" minOccurs="1"> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |
| </xsd:element> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |
| <xsd:element name="CIOHExchangedDocument" type="ram:CIOHExchangedDocumentType" minOccurs="1"> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |
| </xsd:element> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |
| <xsd:element name="CIOHSupplyChainTradeTransaction" type="ram:CIOHSupplyChainTradeTransactionType" minOccurs="1"> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |
| </xsd:element> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |
| </xsd:sequence> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |
| </xsd:complexType> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |
| </xsd:schema> |  |  |  | |  | |  | | |  | |  |  |  |  |  |  |

🡺XMLスキーマ生成ツール改訂中！

**2．データ型**

**2.1データ型のインポート？**

<xsd:import namespace="urn:un:unece:uncefact:data:Standard:QualifiedDataType:20" schemaLocation="QualifiedDataType\_20p0.xsd"/>

🡺UN/CEFACTのURLからインポートするか？

**2.2 BIE表への定義表記法を統一すべきか？**

**2.3 金額型**

|  |
| --- |
| <xsd:complexType name="AmountType"> |
| <xsd:simpleContent> |
| <xsd:extension base="xsd:decimal"> |
| <xsd:attribute name="currencyID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="currencyCodeListVersionID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| </xsd:extension> |
| </xsd:simpleContent> |
| </xsd:complexType> |

**2.4 バイナリー型**

|  |
| --- |
| <xsd:complexType name="BinaryObjectType"> |
| <xsd:simpleContent> |
| <xsd:extension base="xsd:base64Binary"> |
| <xsd:attribute name="format" type="xsd:string" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="mimeCode" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="encodingCode" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="characterSetCode" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="uri" type="xsd:anyURI" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="filename" type="xsd:string" use="optional"> |
| </xsd:attribute> |
| </xsd:extension> |
| </xsd:simpleContent> |
| </xsd:complexType> |

**2.5 コード型**

|  |
| --- |
| <xsd:complexType name="CodeType"> |
| <xsd:simpleContent> |
| <xsd:extension base="xsd:token"> |
| <xsd:attribute name="listID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="listAgencyID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="listAgencyName" type="xsd:string" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="listName" type="xsd:string" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="listVersionID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="name" type="xsd:string" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="languageID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="listURI" type="xsd:anyURI" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="listSchemeURI" type="xsd:anyURI" use="optional"> |
| </xsd:attribute> |
| </xsd:extension> |
| </xsd:simpleContent> |
| </xsd:complexType> |

🡺コード表の管理機関の登録は？

🡺コード表はXMLスキーマー？

**2.6 日時型**

|  |
| --- |
| <xsd:complexType name="DateTimeType"> |
| <xsd:choice> |
| <xsd:element name="DateTimeString"> |
| <xsd:complexType> |
| <xsd:simpleContent> |
| <xsd:extension base="xsd:string"> |
| <xsd:attribute name="format" type="xsd:string" use="optional"/> |
| </xsd:extension> |
| </xsd:simpleContent> |
| </xsd:complexType> |
| </xsd:element> |
| <xsd:element name="DateTime" type="xsd:dateTime"/> |
| </xsd:choice> |
| </xsd:complexType> |

🡺日時型フォーマットの定義種別は？

**2.7 ID型**

|  |
| --- |
| <xsd:complexType name="IDType"> |
| <xsd:simpleContent> |
| <xsd:extension base="xsd:token"> |
| <xsd:attribute name="schemeID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="schemeName" type="xsd:string" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="schemeAgencyID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="schemeAgencyName" type="xsd:string" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="schemeVersionID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="schemeDataURI" type="xsd:anyURI" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="schemeURI" type="xsd:anyURI" use="optional"> |
| </xsd:attribute> |
| </xsd:extension> |
| </xsd:simpleContent> |
| </xsd:complexType> |

🡺ID表管理機関の登録？

🡺ID表のURI提供？

**2.8 指示子型**

|  |
| --- |
| <xsd:complexType name="IndicatorType"> |
| <xsd:choice> |
| <xsd:element name="IndicatorString"> |
| <xsd:complexType> |
| <xsd:simpleContent> |
| <xsd:extension base="xsd:string"> |
| <xsd:attribute name="format" type="xsd:string" use="optional"/> |
| </xsd:extension> |
| </xsd:simpleContent> |
| </xsd:complexType> |
| </xsd:element> |
| <xsd:element name="Indicator" type="xsd:boolean"/> |
| </xsd:choice> |
| </xsd:complexType> |

🡺指示子型のフォーマット？

**2.9 計測値型**

|  |
| --- |
| <xsd:complexType name="MeasureType"> |
| <xsd:simpleContent> |
| <xsd:extension base="xsd:decimal"> |
| <xsd:attribute name="unitCode" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="unitCodeListVersionID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| </xsd:extension> |
| </xsd:simpleContent> |
| </xsd:complexType> |

🡺計測値型の単位コード表？

**2.10 数値型**

|  |
| --- |
| <xsd:complexType name="NumericType"> |
| <xsd:simpleContent> |
| <xsd:extension base="xsd:decimal"> |
| <xsd:attribute name="format" type="xsd:string" use="optional"> |
| </xsd:attribute> |
| </xsd:extension> |
| </xsd:simpleContent> |
| </xsd:complexType> |

🡺数値型のフォーマット？

**2.11 数量型**

|  |
| --- |
| <xsd:complexType name="QuantityType"> |
| <xsd:simpleContent> |
| <xsd:extension base="xsd:decimal"> |
| <xsd:attribute name="unitCode" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="unitCodeListID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="unitCodeListAgencyID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="unitCodeListAgencyName" type="xsd:string" use="optional"> |
| </xsd:attribute> |
| </xsd:extension> |
| </xsd:simpleContent> |
| </xsd:complexType> |

🡺数量型の単位コード？

**2.12 率型**

|  |
| --- |
| <xsd:complexType name="RateType"> |
| <xsd:simpleContent> |
| <xsd:extension base="xsd:decimal"> |
| <xsd:attribute name="format" type="xsd:string" use="optional"> |
| </xsd:attribute> |
| </xsd:extension> |
| </xsd:simpleContent> |
| </xsd:complexType> |

🡺率型のフォーマット

**2.13 文字型**

|  |
| --- |
| <xsd:complexType name="TextType"> |
| <xsd:simpleContent> |
| <xsd:extension base="xsd:string"> |
| <xsd:attribute name="languageID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| <xsd:attribute name="languageLocaleID" type="xsd:token" use="optional"> |
| </xsd:attribute> |
| </xsd:extension> |
| </xsd:simpleContent> |
| </xsd:complexType> |

**3. コード表**

**3.1 表形式**

|  |  |  |
| --- | --- | --- |
| **"Price Type" Code Table** | | |
| Value | Name | Description |
| AA | Cancellation price | Price authorized to be charged in the event of an order being cancelled |
| AB | Per ton | To indicate that the price applies per ton. |
| AC | Minimum order price | A code to identify the price when the minimum number is purchased. |
| AD | Export price | A code to identify a price for the export market |

**3.2 XML形式**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| <xsd:simpleType name="PriceTypeCodeContentType"> |  |  |  |  |  |  |  |  |  |  |
| <xsd:restriction base="xsd:token"> |  |  |  |  |  |  |  |  |  |  |
| <xsd:enumeration value="AA"> |  |  |  |  |  |  |  |  |  |  |
| <xsd:annotation> |  |  |  |  |  |  |  |  |  |  |
| <xsd:documentation xml:lang="en"> |  |  |  |  |  |  |  |  |  |  |
| <ccts:Name>Cancellation price</ccts:Name> |  |  |  |  |  |  |  |  |  |  |
| <ccts:Description>Price authorized to be charged in the event of an order being cancelled.</ccts:Description> |  |  |  |  |  |  |  |  |  |  |
| </xsd:documentation> |  |  |  |  |  |  |  |  |  |  |
| </xsd:annotation> |  |  |  |  |  |  |  |  |  |  |
| </xsd:enumeration> |  |  |  |  |  |  |  |  |  |  |
| <xsd:enumeration value="AB"> |  |  |  |  |  |  |  |  |  |  |
| <xsd:annotation> |  |  |  |  |  |  |  |  |  |  |
| <xsd:documentation xml:lang="en"> |  |  |  |  |  |  |  |  |  |  |
| <ccts:Name>Per ton</ccts:Name> |  |  |  |  |  |  |  |  |  |  |
| <ccts:Description>To indicate that the price applies per 　　　　　　　　　　　　　　　　　　　　　　　　　　　　ton.</ccts:Description> |  |  |  |  |  |  |  |  |  |  |
| </xsd:documentation> |  |  |  |  |  |  |  |  |  |  |
| </xsd:annotation> |  |  |  |  |  |  |  |  |  |  |
| </xsd:enumeration> |  |  |  |  |  |  |  |  |  |  |
| <xsd:enumeration value="AC"> |  |  |  |  |  |  |  |  |  |  |
| <xsd:annotation> |  |  |  |  |  |  |  |  |  |  |
| <xsd:documentation xml:lang="en"> |  |  |  |  |  |  |  |  |  |  |
| <ccts:Name>Minimum order price</ccts:Name> |  |  |  |  |  |  |  |  |  |  |
| <ccts:Description>A code to identify the price when the minimum number is purchased.</ccts:Description> |  |  |  |  |  |  |  |  |  |  |
| </xsd:documentation> |  |  |  |  |  |  |  |  |  |  |
| </xsd:annotation> |  |  |  |  |  |  |  |  |  |  |
| </xsd:enumeration> |  |  |  |  |  |  |  |  |  |  |
| <xsd:enumeration value="AD"> |  |  |  |  |  |  |  |  |  |  |
| <xsd:annotation> |  |  |  |  |  |  |  |  |  |  |
| <xsd:documentation xml:lang="en"> |  |  |  |  |  |  |  |  |  |  |
| <ccts:Name>Export price</ccts:Name> |  |  |  |  |  |  |  |  |  |  |
| <ccts:Description>A code to identify a price for the export market.</ccts:Description> |  |  |  |  |  |  |  |  |  |  |
| </xsd:documentation> |  |  |  |  |  |  |  |  |  |  |
| </xsd:annotation> |  |  |  |  |  |  |  |  |  |  |
| </xsd:enumeration> |  |  |  |  |  |  |  |  |  |  |