Abstract

This Data Type Catalogue contains the Allowed Restriction, Core Component Type, Content and Supplementary Component, and Representation Term Core Component Tables published in the Core Components Technical Specification (CCTS) Version 2.01. It also contains the physical instantiation of the implied data types from CCTS. Additionally, the XML Schema Definition (XSD) and UN/EDIFACT manifestations of the implied data types are also provided as appendices. This catalogue will be maintained by the UN/CEFACT Applied Technologies Group (ATG) using published data maintenance request (DMR) procedures for data types.
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1 Status of This Document

This UN/CEFACT Data Type Catalogue is developed in accordance with the UN/CEFACT/TRADE/22 Open Development Process (ODP) for technical specifications. The Data Type Catalogue Project Team has approved it for publication and submitted it to ATG for final approval.

This document contains information to guide in the interpretation or implementation.

The document formatting is based on the Internet Society's Standard RFC format.

Distribution of this document is unlimited.

This version: UN/CEFACT Data Type Catalogue, Version 2.01 of 7 December 2007

Previous version: UN/CEFACT Data Type Catalogue, Version 2.01 (Candidate) of 27 November 2007

This document may also be available in these non-normative formats: XML, XHTML with visible change markup. See also translations.

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2 Introduction

The Core Components Technical Specification (CCTS) developed by UN/CEFACT and subsequently published as ISO 15000-5 provides a methodology for semantic data modeling that achieves a common understanding of data structures and message types on a syntax independent level. The specification was published with 10 Core Component Types (CCTs), content and supplementary components, representation terms, and an implied set of unqualified data types. The specification directed that future maintenance and publication of these artifacts be conducted separately from the specification. This data type catalogue is the first such separate publication. It contains the original tables from the CCTS, as well as an instantiation of the implied data types. Appendices are provided for the syntax specific instantiation of the data types in Extensible Markup Language (XML) and UN/EDIFACT.

2.1 Related Documents

The following standards and specifications are relevant for the definition and expression of UN/CEFACT CCTS Data Types:

- UN/CEFACT Core Components Technical Specification – Part 8 of the ebXML Framework Version 2.01
- UN/CEFACT XML NDR Technical Specification V2.0
- EDIFACT Directory – Published on 6 month release cycles

2.2 Contact Information

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Data Type Catalogue Project Lead  Jostein Frømyr, EdiSys As; Jostein.Fromyr@edisys.no
3 Primitive Types and Their Related Facets

The Section 7.1.9 of CCTS 2.01 identifies possible values for primitives but does not provide any definitions. The six identified possible values are:

- Binary
- Boolean
- Date
- Decimal
- Integer
- String

3.1 Primitive Type Definitions

Definitions for each of the allowed primitives are as follows:

<table>
<thead>
<tr>
<th>Primitive Type</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Binary</td>
<td>A set of (in)finite-length sequences of binary digits</td>
</tr>
<tr>
<td>Boolean</td>
<td>A logical expression consisting of predefined values. Boolean values define an enumeration that denotes a logical condition.</td>
</tr>
<tr>
<td>Date</td>
<td>A point in time to a common resolution (year, month, day, hour, minute, second, and fractions thereof)</td>
</tr>
<tr>
<td>Decimal</td>
<td>A subset of the real numbers, which can be represented by decimal numerals</td>
</tr>
<tr>
<td>Integer</td>
<td>An element in the infinite set (...-2, -1, 0, 1, 2...)</td>
</tr>
<tr>
<td>String</td>
<td>A sequence of characters in some suitable character set</td>
</tr>
</tbody>
</table>
### 3.2 Primitive Type Facets

Section 7.2.2 of CCTS 2.01 contains a list of allowed primitives and their available facet (format) restrictions with a definition for each facet restriction. It is reproduced without change as follows:

<table>
<thead>
<tr>
<th>Primitive Type</th>
<th>Format Restriction</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>String</td>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>String</td>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
</tbody>
</table>
| String         | Minimum Length     | Defines the minimum length of the string.  
| [Note]         |                    | This format restriction shall not be used in combination with the Length format restriction. |
| String         | Maximum Length     | Defines the maximum length of the string.  
| [Note]         |                    | This format restriction shall not be used in combination with the Length format restriction. |
| String         | Enumeration        | Defines the exhaustive list of allowed values. |
| Decimal, Integer | Total Digits     | Defines the maximum number of digits to be used. |
| Decimal         | Fractional Digits  | Defines the maximum number of fractional digits to be used. |
| Decimal, Integer | Minimum Inclusive | Defines the lower limit of the range of allowed values. The lower limit is also an allowed value. |
| Decimal, Integer | Maximum Inclusive | Defines the upper limit of the range of allowed values. The upper limit is also an allowed value. |
| Decimal, Integer | Minimum Exclusive | Defines the lower limit of the range of allowed values. The lower limit is no allowed value.  
<p>| [Note]         |                    | This format restriction shall not be used in combination with the Minimum Inclusive format restriction. |</p>
<table>
<thead>
<tr>
<th>Primitive Type</th>
<th>Format Restriction</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decimal, Integer</td>
<td>Maximum Exclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is no allowed value.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Maximum Inclusive format restriction.</td>
</tr>
<tr>
<td>Date</td>
<td>Minimum Inclusive</td>
<td>Defines the lower limit of the range of allowed dates. The lower limit is also an allowed date.</td>
</tr>
<tr>
<td>Date</td>
<td>Maximum Inclusive</td>
<td>Defines the upper limit of the range of allowed dates. The upper limit is also an allowed date.</td>
</tr>
<tr>
<td>Date</td>
<td>Minimum Exclusive</td>
<td>Defines the lower limit of the range of allowed dates. The lower limit is no allowed date.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Minimum Inclusive format restriction.</td>
</tr>
<tr>
<td>Date</td>
<td>Maximum Exclusive</td>
<td>Defines the upper limit of the range of allowed dates. The upper limit is no allowed date.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Maximum Inclusive format restriction.</td>
</tr>
</tbody>
</table>

[Note – Although format restrictions are identified for the Date primitive in CCTS 2.01, the specification did not use the Date primitive for any of the content or supplementary components defined in it.]
4 CCTS 2.01 Data Type Tables

Section 8 of CCTS 2.01 contains three tables:

- Core Component Types
- Approved Core Component Type Content and Supplementary Components
- Permissible Representation Terms

4.1 Table 8-1 Core Component Types

Table 8-1 is reproduced without change to structure, content, or format as follows:

<table>
<thead>
<tr>
<th>CCT Dictionary Entry Name</th>
<th>Definition</th>
<th>Remarks</th>
<th>Object Class</th>
<th>Property Term</th>
<th>CCT Components</th>
</tr>
</thead>
</table>
| Amount. Type              | A number of monetary units specified in a currency where the unit of currency is explicit or implied. | Amount | Type | - Amount. Content  
- Amount Currency. Identifier  
- Amount Currency. Code List Version. Identifier |
| Binary Object. Type       | A set of finite-length sequences of binary octets. Shall also be used for Data Types representing graphics (i.e., diagram, graph, mathematical curves or similar representations), pictures (i.e. visual representation of a person, object, or scene), sound, video, etc. | Binary Object | Type | - Binary Object. Content  
- Binary Object. Format. Text  
- Binary Object. Encoding. Code  
- Binary Object. Character Set. Code  
- Binary Object. Uniform Resource. Identifier  
- Binary Object. Filename. Text |
<table>
<thead>
<tr>
<th>CCT Dictionary Entry Name</th>
<th>Definition</th>
<th>Remarks</th>
<th>Object Class</th>
<th>Property Term</th>
<th>CCT Components</th>
</tr>
</thead>
</table>
| Code. Type                | A character string (letters, figures or symbols) that for brevity and/or language independence may be used to represent or replace a definitive value or text of an Attribute together with relevant supplementary information. | Should not be used if the character string identifies an instance of an Object Class or an object in the real world, in which case the Identifier. Type should be used. | Code          | Type          | - Code. Content  
- Code List. Identifier  
- Code List. Agency. Identifier  
- Code List. Agency Name. Text  
- Code List. Name. Text  
- Code List. Version. Identifier  
- Code. Name. Text  
- Language. Identifier  
- Code List. Uniform Resource. Identifier  
- Code List Scheme. Uniform Resource. Identifier |
| Date Time. Type           | A particular point in the progression of time together with relevant supplementary information. | Can be used for a date and/or time. | Date Time     | Type          | - Date Time. Content  
- Date Time. Format. Text |
| Identifier. Type          | A character string to identify and distinguish uniquely, one instance of an object in an identification scheme from all other objects in the same scheme together with relevant supplementary information. |                                  | Identifier    | Type          | - Identifier. Content  
- Identification Scheme. Identifier  
- Identification Scheme. Name. Text  
- Identification Scheme Agency. Identifier  
- Identification Scheme Agency Name. Text  
- Identification Scheme Version. Identifier  
- Identification Scheme Data. Uniform Resource. Identifier  
- Identification Scheme. Uniform Resource. Identifier |
<table>
<thead>
<tr>
<th>CCT Dictionary Entry Name</th>
<th>Definition</th>
<th>Remarks</th>
<th>Object Class</th>
<th>Property Term</th>
<th>CCT Components</th>
</tr>
</thead>
</table>
| Indicator. Type           | A list of two mutually exclusive Boolean values that express the only possible states of a Property. |         | Indicator    | Type           | • Indicator. Content  
• Indicator. Format. Text |
| Measure. Type             | A numeric value determined by measuring an object along with the specified unit of measure. |         | Measure      | Type           | • Measure. Content  
• Measure Unit. Code  
• Measure Unit. Code List Version. Identifier |
| Numeric. Type             | Numeric information that is assigned or is determined by calculation, counting, or sequencing. It does not require a unit of quantity or unit of measure. May or may not be decimal |         | Numeric      | Type           | • Numeric. Content  
• Numeric. Format. Text |
| Quantity. Type            | A counted number of non-monetary units possibly including fractions. |         | Quantity     | Type           | • Quantity. Content  
• Quantity. Unit. Code  
• Quantity Unit. Code List. Identifier  
• Quantity Unit. Code List Agency. Identifier  
• Quantity Unit. Code List Agency Name. Text |
| Text. Type                | A character string (i.e. a finite set of characters) generally in the form of words of a language. Shall also be used for names (i.e. word or phrase that constitutes the distinctive designation of a person, place, thing or concept). |         | Text         | Type           | • Text. Content  
• Language. Identifier  
• Language. Locale. Identifier |
### 4.2 Table 8-2 Approved Core Component Type Content and Supplementary Components

Table 8-2 is reproduced without changes to structure, content, or format as follows:

<table>
<thead>
<tr>
<th>Name</th>
<th>Primitive data-type</th>
<th>Definition</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount. Content</td>
<td>decimal</td>
<td>A number of monetary units specified in a currency where the unit of currency is explicit or implied</td>
<td></td>
</tr>
<tr>
<td>Amount Currency. Code List Version. Identifier</td>
<td>string</td>
<td>The <em>Version</em> of the UN/ECE Rec. 9 code list.</td>
<td>Reference UN/ECE Rec. 9, using 3-letter alphabetic codes. The UN/ECE Rec. 9 is also published as ISO 4217, but is available in electronic form and free of charge.</td>
</tr>
<tr>
<td>Amount Currency. Identifier</td>
<td>string</td>
<td>The currency of the amount</td>
<td></td>
</tr>
<tr>
<td>Binary Object. Content</td>
<td>binary</td>
<td>A set of finite-length sequences of binary octets.</td>
<td></td>
</tr>
<tr>
<td>Binary Object. Format. Text</td>
<td>string</td>
<td>The format of the binary content.</td>
<td></td>
</tr>
<tr>
<td>Binary Object. Mime.Code</td>
<td>string</td>
<td>The mime type of the binary object.</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
<tr>
<td>Binary Object. Character Set. Code</td>
<td>string</td>
<td>The character set of the binary object if the mime type is text.</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
<tr>
<td>Binary Object. Encoding. Code</td>
<td>string</td>
<td>Specifies the decoding algorithm of the binary object.</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
<tr>
<td>Binary Object. Uniform Resource. Identifier</td>
<td>string</td>
<td>The Uniform Resource Identifier that identifies where the Binary Object is located.</td>
<td></td>
</tr>
<tr>
<td>Binary Object. Filename. Text</td>
<td>String</td>
<td>The filename of the binary object.</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
<tr>
<td>Name</td>
<td>Primitive data-type</td>
<td>Definition</td>
<td>Remarks</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>--------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Code. Content</td>
<td>string</td>
<td>A character string (letters, figures or symbols) that for brevity and/or language independence may be used to represent or replace a definitive value or text of an Attribute.</td>
<td></td>
</tr>
<tr>
<td>Code List. Agency. Identifier</td>
<td>string</td>
<td>An agency that maintains one or more code lists.</td>
<td>Defaults to the UN/EDIFACT data element 3055 code list.</td>
</tr>
<tr>
<td>Code List. Agency Name. Text</td>
<td>string</td>
<td>The name of the agency that maintains the code list.</td>
<td></td>
</tr>
<tr>
<td>Code List. Name. Text</td>
<td>string</td>
<td>The name of a list of codes.</td>
<td>Can be used to identify the URL of a source that defines the set of currently approved permitted values</td>
</tr>
<tr>
<td>Code List. Identifier</td>
<td>string</td>
<td>The identification of a list of codes</td>
<td></td>
</tr>
<tr>
<td>Code List Scheme. Uniform Resource. Identifier</td>
<td>string</td>
<td>The Uniform Resource Identifier that identifies where the code list scheme is located.</td>
<td></td>
</tr>
<tr>
<td>Code List. Uniform Resource. Identifier</td>
<td>string</td>
<td>The Uniform Resource Identifier that identifies where the code list is located.</td>
<td></td>
</tr>
<tr>
<td>Code List. Version. Identifier</td>
<td>string</td>
<td>The Version of the code list.</td>
<td>Identifies the Version of the UN/EDIFACT data element 3055 code list.</td>
</tr>
<tr>
<td>Code. Name. Text</td>
<td>string</td>
<td>The textual equivalent of the code content</td>
<td>If no code content exists, the code name can be used on its own</td>
</tr>
<tr>
<td>Date Time. Content</td>
<td>string</td>
<td>The particular point in the progression of time</td>
<td>For times use an ISO 8601 compliant format that includes the UTC offset</td>
</tr>
<tr>
<td>Date Time. Format. Text</td>
<td>string</td>
<td>The format of the date/time content</td>
<td>Reference ISO 8601 and W3C note on date time</td>
</tr>
<tr>
<td>Identification Scheme Agency. Identifier</td>
<td>string</td>
<td>The identification of the agency that maintains the identification scheme.</td>
<td>Defaults to the UN/EDIFACT data element 3055 code list.</td>
</tr>
<tr>
<td>Identification Scheme Agency. Name. Text</td>
<td>string</td>
<td>The name of the agency that maintains the identification scheme.</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Primitive data-type</td>
<td>Definition</td>
<td>Remarks</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>---------------------</td>
<td>---------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Identification Scheme Data. Uniform Resource. Identifier</td>
<td>string</td>
<td>The Uniform Resource Identifier that identifies where the identification scheme data is located.</td>
<td></td>
</tr>
<tr>
<td>Identification Scheme. Identifier</td>
<td>string</td>
<td>The identification of the identification scheme.</td>
<td></td>
</tr>
<tr>
<td>Identification Scheme. Name. Text</td>
<td>string</td>
<td>The name of the identification scheme.</td>
<td></td>
</tr>
<tr>
<td>Identification Scheme. Uniform Resource. Identifier</td>
<td>string</td>
<td>The Uniform Resource Identifier that identifies where the identification scheme is located.</td>
<td></td>
</tr>
<tr>
<td>Identification Scheme. Version. Identifier</td>
<td>string</td>
<td>The Version of the identification scheme.</td>
<td>Identifies the Version of the UN/EDIFACT data element 3055 code list.</td>
</tr>
<tr>
<td>Identifier. Content</td>
<td>string</td>
<td>A character string to identify and distinguish uniquely, one instance of an object in an identification scheme from all other objects within the same scheme.</td>
<td></td>
</tr>
<tr>
<td>Indicator. Content</td>
<td>string</td>
<td>The value of the indicator</td>
<td>For example on, off, true, false</td>
</tr>
<tr>
<td>Indicator. Format. Text</td>
<td>String</td>
<td>Whether the indicator is numeric, textual or binary</td>
<td></td>
</tr>
<tr>
<td>Language. Identifier</td>
<td>string</td>
<td>The identifier of the language used in the corresponding text string</td>
<td>Reference ISO 639: 1998</td>
</tr>
<tr>
<td>Language. Locale. Identifier</td>
<td>string</td>
<td>The identification of the locale of the language.</td>
<td></td>
</tr>
<tr>
<td>Measure. Content</td>
<td>decimal</td>
<td>The numeric value determined by measuring an object.</td>
<td>For example, 24.387 kilograms (24.387 is the Measure. Content)</td>
</tr>
<tr>
<td>Measure Unit. Code</td>
<td>string</td>
<td>The type of unit of measure</td>
<td>Reference UN/ECE Rec. 20 and X12 355.</td>
</tr>
<tr>
<td>Measure Unit. Code List Version. Identifier</td>
<td>string</td>
<td>The Version of the measure unit code list.</td>
<td></td>
</tr>
<tr>
<td>Numeric. Content</td>
<td>As defined by Numeric. Format. Text</td>
<td>Numeric information that is assigned or is determined by calculation, counting or sequencing.</td>
<td>May be decimal</td>
</tr>
<tr>
<td>Name</td>
<td>Primitive data-type</td>
<td>Definition</td>
<td>Remarks</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>---------------------</td>
<td>---------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Numeric. Format. Text</td>
<td>string</td>
<td>Whether the number is an integer, decimal, real number or percentage</td>
<td></td>
</tr>
<tr>
<td>Quantity. Content</td>
<td>decimal</td>
<td>A counted number of non-monetary units possibly including fractions.</td>
<td>For example 7 bales (7 is the Quantity. Content)</td>
</tr>
<tr>
<td>Quantity. Unit. Code</td>
<td>string</td>
<td>The unit of the quantity</td>
<td>May use UN/ECE Rec. 20</td>
</tr>
<tr>
<td>Quantity Unit. Code List Agency. Identifier</td>
<td>string</td>
<td>The identification of the agency which maintains the quantity unit code list</td>
<td></td>
</tr>
<tr>
<td>Quantity Unit. Code List. Identifier</td>
<td>string</td>
<td>The quantity unit code list.</td>
<td>Defaults to the UN/EDIFACT data element 3055 code list.</td>
</tr>
<tr>
<td>Quantity Unit. Code List Agency Name. Text</td>
<td>string</td>
<td>The name of the agency which maintains the quantity unit code list.</td>
<td></td>
</tr>
<tr>
<td>Text. Content</td>
<td>string</td>
<td>A character string (i.e. a finite set of characters) generally in the form of words of a language.</td>
<td></td>
</tr>
</tbody>
</table>
### 4.3 Table 8-3 Primary and Secondary Representation Terms

Table 8-3 is reproduced without changes to structure, content or format as follows:

**Table 8-3. Permissible Representation Terms**

<table>
<thead>
<tr>
<th>Primary Representation Term</th>
<th>Definition</th>
<th>Related Core Component Type</th>
<th>Secondary Representation Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount</td>
<td>A number of monetary units specified in a currency where the unit of currency is explicit or implied.</td>
<td>Amount. Type</td>
<td></td>
</tr>
<tr>
<td>Binary Object</td>
<td>A set of finite-length sequences of binary octets. ([Note: This Representation Term shall also be used for Data Types representing graphics (i.e. diagram, graph, mathematical curves, or similar representation), pictures (i.e. visual representation of a person, object, or scene), sound, video, etc.])</td>
<td>Binary Object. Type</td>
<td>Graphic, Picture, Sound, Video</td>
</tr>
<tr>
<td>Code</td>
<td>A character string (letters, figures or symbols) that for brevity and/or language independence may be used to represent or replace a definitive value or text of a Property. ([Note: The term 'Code' should not be used if the character string identifies an instance of an Object Class or an object in the real world, in which case the Representation Term identifier should be used.])</td>
<td>Code. Type</td>
<td></td>
</tr>
<tr>
<td>Date Time</td>
<td>A particular point in the progression of time (ISO 8601). ([Note: This Representation Term shall also be used for Data Types only representing a Date or a Time.])</td>
<td>Date Time. Type</td>
<td>Date, Time</td>
</tr>
<tr>
<td>Identifier</td>
<td>A character string used to establish the identity of, and distinguish uniquely, one instance of an object within an identification scheme from all other objects within the same scheme.</td>
<td>Identifier. Type</td>
<td></td>
</tr>
<tr>
<td>Primary Representation Term</td>
<td>Definition</td>
<td>Related Core Component Type</td>
<td>Secondary Representation Terms</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------------</td>
<td>-----------------------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>Indicator</td>
<td>A list of exactly two mutually exclusive Boolean values that express the only possible states of a Property. [Note: Values typically indicate a condition such as on/off; true/false etc.]</td>
<td>Indicator. Type</td>
<td></td>
</tr>
<tr>
<td>Measure</td>
<td>A numeric value determined by measuring an object. Measures are specified with a unit of measure. The applicable unit of measure is taken from UN/ECE Rec. 20. [Note: This Representation Term shall also be used for measured coefficients (e.g. m/s).]</td>
<td>Measure. Type</td>
<td></td>
</tr>
<tr>
<td>Numeric</td>
<td>Numeric information that is assigned or is determined by calculation, counting or sequencing. It does not require a unit of quantity or a unit of measure. [Note: This Representation Term shall also be used for Data Types representing Ratios (i.e. rates where the two units are not included or where they are the same), Percentages, etc.)</td>
<td>Numeric. Type</td>
<td>Value, Rate, Percent</td>
</tr>
<tr>
<td>Quantity</td>
<td>A counted number of non-monetary units. Quantities need to be specified with a unit of quantity. [Note: This Representation Term shall also be used for counted coefficients (e.g. flowers/m²).]</td>
<td>Quantity. Type</td>
<td></td>
</tr>
<tr>
<td>Text</td>
<td>A character string (i.e. a finite set of characters) generally in the form of words of a language. [Note: This Representation Term shall also be used for names (i.e. word or phrase that constitutes the distinctive designation of a person, place, thing or concept).]</td>
<td>Text. Type</td>
<td>Name</td>
</tr>
</tbody>
</table>
5 Data Types

The CCTS 2.01 specification defines a set of rules for creating unqualified (without restriction) and qualified (with restriction) data types from the contents of Tables 7-1, 8-1, 8-2, and 8-3. These data types are not normatively expressed in the specification, rather they are implicit. The following sections contain explicit normative expressions of the implicit unqualified data types. These data types shall be used for all CCTS 2.01 Basic Core Components (BCCs). They shall also be used for all CCTS 2.01 conformant Basic Business Information Entities (BBIEs) that do not require restricted value domains, and as the basis for qualified data types where the BBIE requires a restricted value domain. Natural Syntax rules may limit the allowed regular expressions for any of the data types reflected in this section. Users of the catalogue should be sensitive to the intended syntax expression when using a specific data type and all of its facts.
5.1 Amount. Type

5.1.1 Data Type Term
Amount

5.1.2 Representation Term
Amount

5.1.3 Dictionary Entry Name
Amount. Type

5.1.4 Definition
A number of monetary units specified in a currency where the unit of currency is explicit or implied.

5.1.5 Source Core Component Type
Amount. Type

5.1.6 Remarks
None
### 5.1.7 Amount. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Amount, Content</td>
<td>Amount</td>
<td>A number of monetary units specified in a currency where the unit of currency is explicit or implied</td>
<td>Decimal</td>
<td>1..1</td>
<td>Total Digits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Amount, Currency, Identifier</td>
<td>Amount</td>
<td>The currency of the amount</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length</td>
<td></td>
<td>Reference UN/ECE Rec. 9, using 3-letter alphabetic codes. The UN/ECE Rec. 9 is also published as ISO 4217, but is available in electronic form and free of charge.</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Amount, Currency, Code List, Version, Identifier</td>
<td>Amount</td>
<td>The Version of the UN/ECE Rec. 9 code list.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*One Supplementary Component must always be present*
## 5.1.8 Allowed Facets of Amount. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Digits</td>
<td>Defines the maximum number of digits to be used.</td>
</tr>
<tr>
<td>Fractional Digits</td>
<td>Defines the maximum number of fractional digits to be used.</td>
</tr>
<tr>
<td>Minimum Inclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is also an allowed value.</td>
</tr>
<tr>
<td>Maximum Inclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is also an allowed value.</td>
</tr>
<tr>
<td>Minimum Exclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is no allowed value.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Minimum Inclusive</strong> facet</td>
</tr>
<tr>
<td>Maximum Exclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is no allowed value.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Maximum Inclusive</strong> facet</td>
</tr>
</tbody>
</table>
### 5.1.9 Allowed Facets of Amount. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <code>Length</code> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <code>Length</code> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.2 Binary Object. Type

5.2.1 Data Type Term
Binary Object

5.2.2 Representation Term
Binary Object

5.2.3 Dictionary Entry Name
Binary Object. Type

5.2.4 Definition
A Binary Object is a set of finite-length sequences of binary octets.

5.2.5 Source Core Component Type
Binary Object. Type

5.2.6 Remarks
See also: Graphic. Type, Picture. Type, Sound. Type and Video. Type for more precise data types.
### 5.2.7 Binary Object. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Binary Object. Content</td>
<td>Binary Object</td>
<td>A set of finite-length sequences of binary octets.</td>
<td>Binary</td>
<td>1..1</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Binary Object. Format. Text</td>
<td>Binary Object</td>
<td>The format of the binary content.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Binary Object. Character Set. Code</td>
<td>Binary Object</td>
<td>The character set of the binary object if the mime type is text.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
<tr>
<td>Attribute Type</td>
<td>Dictionary Entry Name</td>
<td>Data Type Term</td>
<td>Definition</td>
<td>Primitive Type</td>
<td>Cardinality</td>
<td>Allowed Facets</td>
<td>Usage Rules</td>
<td>Remarks</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------------------------------------</td>
<td>---------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>----------------</td>
<td>-------------</td>
<td>---------------------------------------</td>
<td>-------------------------------------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Binary Object. Encoding. Code</td>
<td>Binary Object</td>
<td>Specifies the decoding algorithm of the binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Binary Object. Uniform Resource. Identifier</td>
<td>Binary Object</td>
<td>The Uniform Resource Identifier that identifies where the Binary Object is located.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Binary Object. Filename. Text</td>
<td></td>
<td>The filename of the binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
<td></td>
</tr>
</tbody>
</table>

*One Supplementary Component must always be present*
5.2.8 Allowed Facets of Binary Object. Type Content Component

There are no allowed facet restrictions for the Binary Object. Content Component

5.2.9 Allowed Facets of Binary Object. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Length facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Length facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.3 Code

5.3.1 Data Type Term

Code

5.3.2 Representation Term

Code

5.3.3 Dictionary Entry Name

Code. Type

5.3.4 Definition

A code is a character string (letters, figures or symbols) that for brevity and/or language independence may be used to represent or replace a definitive value or text of an Attribute together with relevant supplementary information.

5.3.5 Source Core Component Type

Code. Type

5.3.6 Remarks

Should not be used if the character string identifies an instance of an Object Class or an object in the real world, in which case the Identifier. Type data type should be used.
### 5.3.7 Code. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Code. Content</td>
<td>Code</td>
<td>A character string (letters, figures or symbols) that for brevity and/or language independence may be used to represent or replace a definitive value or text of an Attribute.</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Code List. Agency. Identifier</td>
<td>Code</td>
<td>An agency that maintains one or more code lists.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Should be used</td>
<td>Defaults to the UN/EDIFACT data element 3055 code list.</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Code List. Agency Name. Text</td>
<td>Code</td>
<td>The name of the agency that maintains the code list.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Use if Code List. Agency. Identifier is not used</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Code List. Name. Text</td>
<td>Code</td>
<td>The name of a list of codes.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Code List. Identifier</td>
<td>Code</td>
<td>The identification of a list of codes</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Can be used to identify the URL of a source that defines the set of currently approved permitted values</td>
<td></td>
</tr>
<tr>
<td>Attribute Type</td>
<td>Dictionary Entry Name</td>
<td>Data Type Term</td>
<td>Definition</td>
<td>Primitive Type</td>
<td>Cardinality</td>
<td>Allowed Facets</td>
<td>Usage Rules</td>
<td>Remarks</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>--------------------------------------------</td>
<td>----------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>----------------</td>
<td>-------------</td>
<td>----------------</td>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Code List Scheme. Uniform Resource Identifier</td>
<td>Code</td>
<td>The Uniform Resource Identifier that identifies where the code list scheme is located.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Code List. Uniform Resource. Identifier</td>
<td>Code</td>
<td>The Uniform Resource Identifier that identifies where the code list is located.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Code List. Version. Identifier</td>
<td>Code</td>
<td>The Version of the code list.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Code. Name. Text</td>
<td>Code</td>
<td>The textual equivalent of the code content</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* One Supplementary Component must always be present
### 5.3.8 Allowed Facets of Code. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td><strong>Note</strong></td>
<td>This format restriction shall not be used in combination with the <em>Length</em> facet.</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td><strong>Note</strong></td>
<td>This format restriction shall not be used in combination with the <em>Length</em> facet.</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
### 5.3.9 Allowed Facets of Code. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.4 Date

5.4.1 Data Type Term
Date

5.4.2 Representation Term
Date

5.4.3 Dictionary Entry Name
Date. Type

5.4.4 Definition
A date is a day of the month or year as specified by a number.

5.4.5 Source Core Component Type
Date Time. Type

5.4.6 Remarks
None
### 5.4.7 Date. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Date. Content</td>
<td>Date</td>
<td>A particular point in the progression of time</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length</td>
<td>Length Min. Length Max. Length</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Date. Format. Text</td>
<td>Date</td>
<td>The format of the date content</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length</td>
<td>Length Min. Length Max. Length</td>
<td>Reference ISO 8601 and W3C note on date time</td>
</tr>
</tbody>
</table>
### 5.4.8 Allowed Facets of Date. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td><strong>[Note]</strong></td>
<td>This format restriction shall not be used in combination with the Length facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td><strong>[Note]</strong></td>
<td>This format restriction shall not be used in combination with the Length facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
### 5.4.9 Allowed Facets of Date. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string. [Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string. [Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.5 DateTime

5.5.1 Data Type Term
Date Time

5.5.2 Representation Term
Date Time

5.5.3 Dictionary Entry Name
Date Time. Type

5.5.4 Definition
A particular point in the progression of time together with relevant supplementary information.

5.5.5 Source Core Component Type
Date Time. Type

5.5.6 Remarks
See also Date. Type and Time. Type for more precise data types.
## 5.5.7 Date Time. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Date Time. Content</td>
<td>Date Time</td>
<td>The particular point in the progression of time</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td>For times use an ISO 8601 compliant format that includes the UTC offset</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Date Time. Format. Text</td>
<td>Date Time</td>
<td>The format of the date time content</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td>Reference ISO 8601 and W3C note on date time</td>
</tr>
</tbody>
</table>
## 5.5.8 Allowed Facets of Date Time. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
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<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
### 5.5.9 Allowed Facets of Date Time. Type Supplementary Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
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</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.6 Graphic. Type

5.6.1 Data Type Term
Graphic

5.6.2 Representation Term
Graphic

5.6.3 Dictionary Entry Name
Graphic. Type

5.6.4 Definition
A graphic binary object is a visual image displayed on a screen or stored as data.

5.6.5 Source Core Component Type
Binary Object. Type

5.6.6 Remarks
Includes diagram, graph, mathematical curves or similar representations
## 5.6.7 Graphic. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Graphic. Content</td>
<td>Graphic</td>
<td>A set of finite-length sequences of binary octets.</td>
<td>Binary</td>
<td>1..1</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Graphic. Format. Text</td>
<td>Graphic</td>
<td>The format of the graphic binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Graphic. Mime. Code</td>
<td>Graphic</td>
<td>The mime type of the graphic binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Graphic. Character Set. Code</td>
<td>Graphic</td>
<td>The character set of the graphic binary object if the mime type is text.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Graphic. Encoding. Code</td>
<td>Graphic</td>
<td>Specifies the decoding algorithm of the graphic binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
<tr>
<td>Attribute Type</td>
<td>Dictionary Entry Name</td>
<td>Data Type Term</td>
<td>Definition</td>
<td>Primitive Type</td>
<td>Cardinality</td>
<td>Allowed Facets</td>
<td>Usage Rules</td>
<td>Remarks</td>
</tr>
<tr>
<td>----------------</td>
<td>-----------------------</td>
<td>----------------</td>
<td>---------------------------------------------------------------------------</td>
<td>----------------</td>
<td>-------------</td>
<td>---------------</td>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Graphic. Uniform Resource. Identifier</td>
<td>Graphic</td>
<td>The Uniform Resource Identifier that identifies where the graphic binary object is located.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Graphic. Fidename. Text</td>
<td>Graphic</td>
<td>The filename of the graphic binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
</tbody>
</table>

*One Supplementary Component must always be present
5.6.8 Allowed Facets of Graphic. Type Content Component

There are no allowed facet restrictions for the Binary Object. Content Component

5.6.9 Allowed Facets of Graphic. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.7 Identifier. Type

5.7.1 Data Type Term
Identifier

5.7.2 Representation Term
Identifier

5.7.3 Dictionary Entry Name
Identifier. Type

5.7.4 Definition
An identifier is a character string to identify and distinguish uniquely, one instance of an object in an identification scheme from all other objects in the same scheme together with relevant supplementary information.

5.7.5 Source Core Component Type
Identifier. Type

5.7.6 Remarks
None
### 5.7.7 Identifier. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Identifier. Content</td>
<td>Identifier</td>
<td>A character string to identify and distinguish uniquely, one instance of an object in an identification scheme from all other objects within the same scheme</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Identification Scheme Agency. Identifier</td>
<td>Identifier</td>
<td>The identification of the agency that maintains the identification scheme</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Should be used</td>
<td>Defaults to the UN/EDIFACT data element 3055 code list.</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Identification Scheme Agency. Name. Text</td>
<td>Identifier</td>
<td>The name of the agency that maintains the identification scheme</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Use only if 3055 code not available</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Identification Scheme Data. Uniform Resource. Identifier</td>
<td>Identifier</td>
<td>The Uniform Resource Identifier that identifies where the identification scheme data is located</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Identification Scheme. Identifier</td>
<td>Identifier</td>
<td>The identification of the identification scheme</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Should be used</td>
<td></td>
</tr>
<tr>
<td>Attribute Type</td>
<td>Dictionary Entry Name</td>
<td>Data Type Term</td>
<td>Definition</td>
<td>Primitive Type</td>
<td>Cardinality</td>
<td>Allowed Facets</td>
<td>Usage Rules</td>
<td>Remarks</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------</td>
<td>----------------</td>
<td>----------------------------------------------------------------------------</td>
<td>----------------</td>
<td>--------------</td>
<td>----------------</td>
<td>----------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Identification Scheme. Name. Text</td>
<td>Identifier</td>
<td>The name of the identification scheme.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length, Min. Length, Max. Length, Enumeration</td>
<td>Use if Identification Scheme. Identifier is not used</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Identification Scheme. Uniform Resource. Identifier</td>
<td>Identifier</td>
<td>The Uniform Resource Identifier that identifies where the identification scheme is located.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length, Min. Length, Max. Length, Enumeration</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*One Supplementary Component must always be present*
### 5.7.8 Allowed Facets of Identifier. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string. [Note]</td>
</tr>
<tr>
<td></td>
<td>This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string. [Note]</td>
</tr>
<tr>
<td></td>
<td>This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
### 5.7.9 Allowed Facets of Identifier. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
</tbody>
</table>
| Minimum Length| Defines the minimum length of the string.  
[Note]  
This format restriction shall not be used in combination with the *Length* facet. |
| Maximum Length| Defines the maximum length of the string.  
[Note]  
This format restriction shall not be used in combination with the *Length* facet. |
| Enumeration   | Defines the exhaustive list of allowed values.                            |
5.8 Indicator. Type

5.8.1 Data Type Term
Indicator

5.8.2 Representation Term
Indicator

5.8.3 Dictionary Entry Name
Indicator. Type

5.8.4 Definition
An indicator is a list of two mutually exclusive Boolean values that express the only possible states of a property.

5.8.5 Remarks
None
### 5.8.6 Indicator. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Indicator. Content</td>
<td>Indicator</td>
<td>The value of the indicator</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>For example on, off, true, false</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Indicator. Format. Text</td>
<td>Indicator</td>
<td>Whether the indicator is numeric, textual or binary</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Allowed Facets of Indicator. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
<td></td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
<td></td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
### 5.8.7 Allowed Facets of Indicator. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.9 Measure. Type

5.9.1 Data Type Term
Measure

5.9.2 Representation Term
Measure

5.9.3 Dictionary Entry Name
Measure. Type

5.9.4 Definition
A measure is a numeric value determined by measuring an object along with the specified unit of measure.

5.9.5 Source Core Component Type
Measure. Type

5.9.6 Remarks
None
## 5.9.7 Measure. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Measure. Content</td>
<td>Measure</td>
<td>The numeric value determined by measuring an object</td>
<td>Decimal</td>
<td>1..1</td>
<td></td>
<td></td>
<td>For example, 24.387 kilograms (24.387 is the Measure. Content)</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Measure Unit. Code</td>
<td>Measure</td>
<td>The type of unit of measure</td>
<td>String</td>
<td>0..1*</td>
<td>Expression</td>
<td>Length Min. Length Max. Length Enumeration</td>
<td>Reference UN/ECE Rec. 20 and X12 355.</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Measure Unit. Code List Version. Identifier</td>
<td>Measure</td>
<td>The Version of the measure unit code list.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression</td>
<td>Length Min. Length Max. Length Enumeration</td>
<td></td>
</tr>
</tbody>
</table>

*One Supplementary Component must always be present*
## 5.9.8 Allowed Facets of Measure. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Digits</td>
<td>Defines the maximum number of digits to be used.</td>
</tr>
<tr>
<td>Fractional Digits</td>
<td>Defines the maximum number of fractional digits to be used.</td>
</tr>
<tr>
<td>Minimum Inclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is also an allowed value.</td>
</tr>
<tr>
<td>Maximum Inclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is also an allowed value.</td>
</tr>
<tr>
<td>Minimum Exclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is no allowed value.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Minimum Inclusive format restriction.</td>
</tr>
<tr>
<td>Maximum Exclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is no allowed value.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Maximum Inclusive format restriction.</td>
</tr>
</tbody>
</table>
### 5.9.9 Allowed Facets of Measure. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
</tbody>
</table>
5.10 Name. Type

5.10.1 Data Type Term
Name

5.10.2 Representation Term
Name

5.10.3 Dictionary Entry Name
Name. Type

5.10.4 Definition
A name is a word or phrase that constitutes the distinctive designation of a person, place, thing or concept.

5.10.5 Source Core Component Type
Text. Type

5.10.6 Remarks
None
### 5.10.7 Name. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Name. Content</td>
<td>Name</td>
<td>word or phrase that constitutes the distinctive designation of a person, place, thing or concept</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Language. Identifier</td>
<td>Name</td>
<td>The identifier of the language used in the corresponding text string</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length</td>
<td></td>
<td>Reference ISO 639: 1998</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Language. Locale. Identifier</td>
<td>Name</td>
<td>The identification of the locale of the language.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*One Supplementary Component must always be present*
## 5.10.8 Allowed Facets of Name. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note]</td>
</tr>
<tr>
<td></td>
<td>This format restriction shall not be used in combination with the <strong>Length</strong> facet.</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note]</td>
</tr>
<tr>
<td></td>
<td>This format restriction shall not be used in combination with the <strong>Length</strong> facet.</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
### 5.10.9 Allowed Facets of Name. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet.</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet.</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.11 Numeric. Type

5.11.1 Data Type Term
Numeric

5.11.2 Representation Term
Numeric

5.11.3 Dictionary Entry Name
Numeric. Type

5.11.4 Definition
Numeric information that is assigned or is determined by calculation, counting, or sequencing.

5.11.5 Source Core Data Type
Numeric. Type

5.11.6 Remarks
Numeric. Type does not require a unit of quantity or unit of measure. It may or may not be decimal.

See also: Value. Type, Rate. Type, Percent. Type for more precise data types.
### 5.11.7 Numeric. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Numeric. Content</td>
<td>Numeric</td>
<td>Numeric information that is assigned or is determined by calculation, counting or sequencing.</td>
<td>Either Decimal or Integer as defined by Numeric. Format. Text</td>
<td>1..1</td>
<td>Total Digits Fractional Digits Min. Inclusive Max. Inclusive Min. Exclusive Max. Exclusive Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Numeric. Format. Text</td>
<td>Numeric</td>
<td>Whether the number is an integer, decimal, real number</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Facet</td>
<td>Definition</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Digits</td>
<td>Defines the maximum number of digits to be used.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fractional Digits</td>
<td>Defines the maximum number of fractional digits to be used.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Inclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is also an allowed value.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Inclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is also an allowed value.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Exclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is no allowed value.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Minimum Inclusive format restriction.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Exclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is no allowed value.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Maximum Inclusive format restriction.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Allowed Facets of Numeric. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
</tbody>
</table>

[Note]
This format restriction shall not be used in combination with the **Length** facet

**Enumeration**
Defines the exhaustive list of allowed values.
5.12 Percent. Type

5.12.1 Data Type Term
Numeric

5.12.2 Representation Term
Numeric

5.12.3 Dictionary Entry Name
Numeric. Type

5.12.4 Definition
Numeric information expressed as parts per hundred as determined by calculation.

5.12.5 Source Core Data Type
Numeric. Type

5.12.6 Remarks
Percent. Type does not require a unit of quantity or unit of measure. It may or may not be decimal.
### 5.12.7 Percent. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Percent. Content</td>
<td>Percent</td>
<td>Numeric information expressed as parts per hundred as determined by calculation.</td>
<td>Integer or decimal as defined by Percent. Format. Text</td>
<td>1..1</td>
<td>Total Digits Fractional Digits Min. Inclusive Max. Inclusive Min. Exclusive Max. Exclusive Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Percent. Format. Text</td>
<td>Percent</td>
<td>The format for the percentage</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 5.12.8 Allowed Facets of Percent. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Digits</td>
<td>Defines the maximum number of digits to be used.</td>
</tr>
<tr>
<td>Fractional Digits</td>
<td>Defines the maximum number of fractional digits to be used.</td>
</tr>
<tr>
<td>Minimum Inclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is also an allowed value.</td>
</tr>
<tr>
<td>Maximum Inclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is also an allowed value.</td>
</tr>
<tr>
<td>Minimum Exclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is no allowed value.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Minimum Inclusive format restriction.</td>
</tr>
<tr>
<td>Maximum Exclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is no allowed value.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Maximum Inclusive format restriction.</td>
</tr>
</tbody>
</table>
### Allowed Facets of Percent. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.13 Picture. Type

5.13.1 Data Type Term
Picture

5.13.2 Representation Term
Picture

5.13.3 Dictionary Entry Name
Picture. Type

5.13.4 Definition
A picture is a visual representation of a person, object, or scene instantiated as a painting, drawing, or photograph.

5.13.5 Source Core Data Type
Binary Object. Type

5.13.6 Remarks
None
### 5.13.7 Picture. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Picture. Content</td>
<td>Picture</td>
<td>A set of finite-length sequences of binary octets.</td>
<td>Binary</td>
<td>1..1</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Picture. Format. Text</td>
<td>Picture</td>
<td>The format of the picture binary object content.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression</td>
<td>Length Min. Length Max. Length</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Picture. Mime. Code</td>
<td>Picture</td>
<td>The mime type of the picture binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression</td>
<td>Length Min. Length Max. Length</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Picture. Character Set. Code</td>
<td>Picture</td>
<td>The character set of the picture binary object if the mime type is text.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression</td>
<td>Length Min. Length Max. Length</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
</tbody>
</table>

**Usage Rules**:
- Expression Length Min. Length Max. Length
- None
<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplementary Component</td>
<td>Picture. Encoding. Code</td>
<td>Picture</td>
<td>Specifies the decoding algorithm of the picture binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Picture. Uniform Resource. Identifier</td>
<td>Picture</td>
<td>The Uniform Resource Identifier that identifies where the picture binary object is located.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Picture. Filename. Text</td>
<td>Picture</td>
<td>The filename of the picture binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
</tbody>
</table>

*One Supplementary Component must always be present*
5.13.8 Allowed Facets of Picture. Type Content Component

There are no allowed facet restrictions for the Binary Object. Content component

5.13.9 Allowed Facets of Picture. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.14 Quantity. Type

5.14.1 Data Type Term

Quantity

5.14.2 Representation Term

Quantity

5.14.3 Dictionary Entry Name

Quantity. Type

5.14.4 Definition

A quantity is a counted number of non-monetary units possibly including fractions.

5.14.5 Source Core Data Type

Quantity. Type

5.14.6 Remarks

None
### 5.14.7 Quantity. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Quantity. Content</td>
<td>Quantity</td>
<td>A counted number of non-monetary units possibly including fractions.</td>
<td>Decimal</td>
<td>1..1</td>
<td>Total Digits Fractional Digits Min. Inclusive Max. Inclusive Min. Exclusive Max. Exlusive Enumeration</td>
<td>For example 7 bales (7 is the Quantity. Content)</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Quantity. Unit. Code</td>
<td>Quantity</td>
<td>The unit of the quantity</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>May use UN/ECE Rec. 20</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Quantity. Unit. Code List Agency. Identifier</td>
<td>Quantity</td>
<td>The identification of the agency which maintains the quantity unit code list</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Quantity. Unit. Code List. Identifier</td>
<td>Quantity</td>
<td>The quantity unit code list.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Defaults to the UN/EDIFACT data element 3055 code list</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Quantity. Unit. Code List Agency Name. Text</td>
<td>Quantity</td>
<td>The name of the agency which maintains the quantity unit code list.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*One Supplementary Component must always be present*
### 5.14.8 Allowed Facets of Quantity. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Digits</td>
<td>Defines the maximum number of digits to be used.</td>
</tr>
<tr>
<td>Fractional Digits</td>
<td>Defines the maximum number of fractional digits to be used.</td>
</tr>
<tr>
<td>Minimum Inclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is also an allowed value.</td>
</tr>
<tr>
<td>Maximum Inclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is also an allowed value.</td>
</tr>
</tbody>
</table>
| Minimum Exclusive    | Defines the lower limit of the range of allowed values. The lower limit is no allowed value.  
|                      | [Note] This format restriction shall not be used in combination with the Minimum Inclusive format restriction. |
| Maximum Exclusive    | Defines the upper limit of the range of allowed values. The upper limit is no allowed value.  
|                      | [Note] This format restriction shall not be used in combination with the Maximum Inclusive format restriction. |
### Allowed Facets of Quantity. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td>[Note]</td>
<td>This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td>[Note]</td>
<td>This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.15 Rate. Type

5.15.1 Data Type Term
Rate

5.15.2 Representation Term
Rate

5.15.3 Dictionary Entry Name
Rate. Type

5.15.4 Definition
A stated numerical value of one thing corresponding proportionally to a certain value of some other thing.

5.15.5 Source Core Component Type
Numeric. Type

5.15.6 Remarks
None
### 5.15.7 Rate. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Rate. Content</td>
<td>Rate</td>
<td>Numeric information that is assigned or is determined by calculation, counting or sequencing.</td>
<td>Either Decimal or Integer as defined by Rate. Format. Text</td>
<td>1..1</td>
<td>Total Digits Fractional Digits Min. Inclusive Max. Inclusive Min. Exclusive Max. Exclusive Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Rate. Format. Text</td>
<td>Rate</td>
<td>Whether the rate is an integer, decimal, real number or percentage</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 5.15.8 Allowed Facets of Rate. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Digits</td>
<td>Defines the maximum number of digits to be used.</td>
</tr>
<tr>
<td>Fractional Digits</td>
<td>Defines the maximum number of fractional digits to be used.</td>
</tr>
<tr>
<td>Minimum Inclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is also an allowed value.</td>
</tr>
<tr>
<td>Maximum Inclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is also an allowed value.</td>
</tr>
<tr>
<td>Minimum Exclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is not an allowed value.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Minimum Inclusive format restriction.</td>
</tr>
<tr>
<td>Maximum Exclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is not an allowed value.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Maximum Inclusive format restriction.</td>
</tr>
</tbody>
</table>
Allowed Facets of Rate. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Length facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Length facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.16 Sound. Type

5.16.1 Data Type Term
Sound

5.16.2 Representation Term
Sound

5.16.3 Dictionary Entry Name
Sound. Type

5.16.4 Definition
A sound binary object is an electronic file containing music, speech, sound effects or other audio.

5.16.5 Source Core Component Type
Binary Object. Type

5.16.6 Remarks
None
### 5.16.7 Sound. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Sound. Content</td>
<td>Sound</td>
<td>A set of finite-length sequences of binary octets representing a sound binary object.</td>
<td>Binary</td>
<td>1..1</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Sound. Format. Text</td>
<td>Sound</td>
<td>The format of the sound binary object content.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Sound. Mime. Code</td>
<td>Sound</td>
<td>The mime type of the sound binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Sound. Character. Set. Code</td>
<td>Sound</td>
<td>The character set of the sound binary object if the mime type is text.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Sound. Encoding. Code</td>
<td>Sound</td>
<td>Specifies the decoding algorithm of the sound binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
<td></td>
</tr>
<tr>
<td>Attribute Type</td>
<td>Dictionary Entry Name</td>
<td>Data Type Term</td>
<td>Definition</td>
<td>Primitive Type</td>
<td>Cardinality</td>
<td>Allowed Facets</td>
<td>Usage Rules</td>
<td>Remarks</td>
</tr>
<tr>
<td>------------------------</td>
<td>--------------------------------</td>
<td>----------------</td>
<td>---------------------------------------------------------------------------</td>
<td>----------------</td>
<td>-------------</td>
<td>--------------------------------------------</td>
<td>-------------------------------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Picture. Uniform Resource. Identifier</td>
<td>Sound</td>
<td>The Uniform Resource Identifier that identifies where the sound Binary Object is located.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Picture. Filename. Text</td>
<td>Sound</td>
<td>The filename of the sound binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
</tbody>
</table>

*One Supplementary Component must always be present*
### 5.16.8 Allowed Facets of Sound. Type Content Component

There are no allowed facet restrictions for the Binary Object. Content Component

### 5.16.9 Allowed Facets of Sound. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.17 Text. Type

5.17.1 Data Type Term
Text

5.17.2 Representation Term
Text

5.17.3 Dictionary Entry Name
Text. Type

5.17.4 Definition
A character string (i.e. a finite set of characters) generally in the form of words of a language.

5.17.5 Remarks
See also Name. Type for a more precise data type.
## 5.17.6 Text. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Text. Content</td>
<td>Text</td>
<td>A character string (i.e. a finite set of characters) generally in the form of words of a language.</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Language. Identifier</td>
<td>Text</td>
<td>The identifier of the language used in the corresponding text string</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td>Reference ISO 639: 1998</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Language. Locale. Identifier</td>
<td>Text</td>
<td>The identification of the locale of the language.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*One Supplementary Component must always be present*
### 5.17.7 Allowed Facets of Text. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td>[Note]</td>
<td>This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td>[Note]</td>
<td>This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
### 5.17.8 Allowed Facets of Text. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.18 Time. Type

5.18.1 Data Type Term
Time

5.18.2 Representation Term
Time

5.18.3 Dictionary Entry Name
Time. Type

5.18.4 Definition
A time is a particular point in the progression of time of a day together with relevant supplementary information.

5.18.5 Source Core Component Type
Date Time. Type

5.18.6 Remarks
None
### 5.18.7 Time. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Time. Content</td>
<td>Time</td>
<td>The particular point in the progression of time of a day</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Use an ISO 8601 compliant format that includes the UTC offset</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Time. Format. Text</td>
<td>Time</td>
<td>The format of the time content</td>
<td>String</td>
<td>1..1</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Reference ISO 8601 and W3C note on date time</td>
<td></td>
</tr>
</tbody>
</table>
### 5.18.8 Allowed Facets of Time. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Length facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Length facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
### 5.18.9 Allowed Facets of Time. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.19 Value. Type

5.19.1 Data Type Term
Value

5.19.2 Representation Term
Value

5.19.3 Dictionary Entry Name
Value. Type

5.19.4 Definition
A value is the numerical amount denoted by an algebraic term; a magnitude, quantity, or number.

5.19.5 Source Core Component Type
Numeric. Type

5.19.6 Remarks
None
### 5.19.7 Value. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Value. Content</td>
<td>Value</td>
<td>the numerical amount denoted by an algebraic term; a magnitude, quantity, or number</td>
<td>Either Decimal or Integer as defined by Value. Format. Text</td>
<td>1..1</td>
<td>Total Digits</td>
<td>Fractional Digits</td>
<td>Min. Inclusive</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Value. Format. Text</td>
<td>Value</td>
<td>Whether the number is an integer, decimal, real number or percentage</td>
<td>String</td>
<td>1..1</td>
<td>Expression</td>
<td>Length</td>
<td>Min. Length</td>
</tr>
</tbody>
</table>


5.19.8 Allowed Facets of Value. Type Content Component

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Digits</td>
<td>Defines the maximum number of digits to be used.</td>
</tr>
<tr>
<td>Fractional Digits</td>
<td>Defines the maximum number of fractional digits to be used.</td>
</tr>
<tr>
<td>Minimum Inclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is also an allowed value.</td>
</tr>
<tr>
<td>Maximum Inclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is also an allowed value.</td>
</tr>
<tr>
<td>Minimum Exclusive</td>
<td>Defines the lower limit of the range of allowed values. The lower limit is no allowed value.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Minimum Inclusive format restriction.</td>
</tr>
<tr>
<td>Maximum Exclusive</td>
<td>Defines the upper limit of the range of allowed values. The upper limit is no allowed value.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the Maximum Inclusive format restriction.</td>
</tr>
</tbody>
</table>
## Allowed Facets of Value. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <strong>Length</strong> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
5.20 Video. Type

5.20.1 Data Type Term
Video

5.20.2 Representation Term
Video

5.20.3 Dictionary Entry Name
Video. Type

5.20.4 Definition
A video binary object is electronically captured, recorded, processed, stored, transmitted, or reconstructed sequences of still images representing scenes in motion.

5.20.5 Source Core Data Type
Binary Object. Type

5.20.6 Remarks
None
### 5.20.7 Video. Type Structure

<table>
<thead>
<tr>
<th>Attribute Type</th>
<th>Dictionary Entry Name</th>
<th>Data Type Term</th>
<th>Definition</th>
<th>Primitive Type</th>
<th>Cardinality</th>
<th>Allowed Facets</th>
<th>Usage Rules</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Component</td>
<td>Video. Content</td>
<td>Video</td>
<td>A set of finite-length sequences of binary octets representing a video</td>
<td>Binary</td>
<td>1..1</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Video. Format. Text</td>
<td>Video</td>
<td>The format of the video binary object content.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Video. Mime. Code</td>
<td>Video</td>
<td>The mime type of the video binary object object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Video. Character Set. Code</td>
<td>Video</td>
<td>The character set of the video binary object if the mime type is text.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Video. Encoding. Code</td>
<td>Video</td>
<td>Specifies the decoding algorithm of the video binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length Min. Length Max. Length Enumeration</td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
<td></td>
</tr>
<tr>
<td>Attribute Type</td>
<td>Dictionary Entry Name</td>
<td>Data Type Term</td>
<td>Definition</td>
<td>Primitive Type</td>
<td>Cardinality</td>
<td>Allowed Facets</td>
<td>Usage Rules</td>
<td>Remarks</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-----------------------------------------------</td>
<td>----------------</td>
<td>---------------------------------------------------------------------------</td>
<td>----------------</td>
<td>-------------</td>
<td>----------------</td>
<td>-------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Video. Uniform Resource. Identifier</td>
<td>Video</td>
<td>The Uniform Resource Identifier that identifies where the video binary object is located.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length, Min. Length, Max. Length, Enumeration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplementary Component</td>
<td>Video. Filename. Text</td>
<td>Video</td>
<td>The filename of the video binary object.</td>
<td>String</td>
<td>0..1*</td>
<td>Expression Length, Min. Length, Max. Length, Enumeration</td>
<td></td>
<td>Reference IETF RFC 2045, 2046, 2047</td>
</tr>
</tbody>
</table>

*One Supplementary Component must always be present*
### 5.20.8 Allowed Facets of Video. Type Content Component

There are no allowed facet restrictions for the Video. Content Component

### 5.20.9 Allowed Facets of Video. Type Supplementary Components

<table>
<thead>
<tr>
<th>Facet</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression</td>
<td>Defines the set of characters that can be used at a particular position in a string.</td>
</tr>
<tr>
<td>Length</td>
<td>Defines the required length of the string.</td>
</tr>
<tr>
<td>Minimum Length</td>
<td>Defines the minimum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Maximum Length</td>
<td>Defines the maximum length of the string.</td>
</tr>
<tr>
<td></td>
<td>[Note] This format restriction shall not be used in combination with the <em>Length</em> facet</td>
</tr>
<tr>
<td>Enumeration</td>
<td>Defines the exhaustive list of allowed values.</td>
</tr>
</tbody>
</table>
Appendix A – XML Expressions of Unqualified Data Types

The following subsections contain the XML Expressions of the unqualified data types as published in UN/CEFACT Naming and Design Rules Version 2.0 technical specification of 17 February 2005. The supporting schema is updated to reflect changes in source code lists and republished on www.unece.org/cefact in conjunction with the semi-annual directory releases as of the date of publication of this catalogue.

A-1 AmountType

```xml
<!-- =================================================================== -->
<!-- ===== Amount. Type                                            ===== -->
<!-- =================================================================== -->
<xsd:complexType name="AmountType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT000001</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Amount. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>A number of monetary units specified in a currency where the unit of the currency is explicit or implied.</ccts:Definition>
      <ccts:PrimitiveType>decimal</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:extension base="xsd:decimal">
      <xsd:attribute name="currencyCode" type="clm54217:CurrencyCodeContentType" use="optional">
        <xsd:documentation xml:lang="en">
          <ccts:Name>Amount. Currency. Code</ccts:Name>
          <ccts:Definition>The currency of the amount.</ccts:Definition>
          <ccts:PrimitiveType>string</ccts:PrimitiveType>
        </xsd:documentation>
      </xsd:attribute>
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>
```
<xsd:complexType name="BinaryObjectType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT000002</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Binary Object. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>A set of finite-length sequences of binary octets.</ccts:Definition>
      <ccts:PrimitiveType>binary</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:extension base="xsd:base64Binary">
      <xsd:attribute name="format" type="xsd:string" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Binary Object. Format. Text</ccts:Name>
            <ccts:Definition>The format of the binary content.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
      <xsd:attribute name="mimeCode" type="clmIANAMIMEMediaType:MIMEMediaTypeContentType" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Binary Object. Mime. Code</ccts:Name>
            <ccts:Definition>The mime type of the binary object.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
      <xsd:attribute name="encodingCode" type="clm60133:CharacterSetEncodingCodeContentType" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Binary Object. Encoding. Code</ccts:Name>
            <ccts:Definition>Specifies the decoding algorithm of the binary object.</ccts:Definition>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>
<ccts:PrimitiveType>string</ccts:PrimitiveType>
</xsd:documentation>
</xsd:annotation>
</xsd:attribute>
<xsd:attribute name="characterSetCode" type="clmIANACharacterSetCode:CharacterSetCodeContentType" use="optional">
<xsd:annotation>
<xsd:documentation xml:lang="en">
<ccts:Name>Binary Object. Character Set. Code</ccts:Name>
<ccts:Definition>The character set of the binary object if the mime type is text.</ccts:Definition>
</xsd:documentation>
</xsd:annotation>
</xsd:attribute>
<xsd:attribute name="uri" type="xsd:anyURI" use="optional">
<xsd:annotation>
<xsd:documentation xml:lang="en">
<ccts:Name>Binary Object. Uniform Resource. Identifier</ccts:Name>
<ccts:Definition>The Uniform Resource Identifier that identifies where the binary object is located.</ccts:Definition>
</xsd:documentation>
</xsd:annotation>
</xsd:attribute>
<xsd:attribute name="fileName" type="xsd:string" use="optional">
<xsd:annotation>
<xsd:documentation xml:lang="en">
<ccts:Name>Binary Object. File. Name</ccts:Name>
<ccts:Definition>The fileName of the binary object.</ccts:Definition>
</xsd:documentation>
</xsd:annotation>
</xsd:attribute>
</xsd:extension>
</xsd:simpleContent>
</xsd:complexType>

```xml
<xs:complexType name="CodeType">
  <xs:annotation>
    <xs:documentation xml:lang="en">A character string (letters, figures, or symbols) that for brevity and/or language independence may be used to represent or replace a definitive value or text of an attribute together with relevant supplementary information.</xs:documentation>
  </xs:annotation>

  <xs:extension base="xsd:token">
    <xs:attribute name="listID" type="xsd:token" use="optional">
      <xs:annotation>
        <xs:documentation xml:lang="en">The identification of a list of codes.</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="listAgencyID" type="clm63055:AgencyIdentificationCodeContentType" use="optional">
      <xs:annotation>
        <xs:documentation xml:lang="en">An agency that maintains one or more lists of codes.</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="listAgencyName" type="xsd:string" use="optional">
      <xs:annotation>
        <xs:documentation xml:lang="en">An agency that maintains one or more lists of codes.</xs:documentation>
      </xs:annotation>
    </xs:attribute>
  </xs:extension>
</xs:complexType>
```
<xsd:annotation>
  <xsd:documentation xml:lang="en">
    <ccts:Name>Code List. Agency Name. Text</ccts:Name>
    <ccts:Definition>The name of the agency that maintains the list of codes.</ccts:Definition>
    <ccts:PrimitiveType>string</ccts:_primitiveType>
  </xsd:documentation>
</xsd:annotation>

<xsd:attribute name="listName" type="xsd:string" use="optional">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:Name>Code List. Name. Text</ccts:Name>
      <ccts:Definition>The name of a list of codes.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
</xsd:attribute>

<xsd:attribute name="listVersionID" type="xsd:token" use="optional">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:Name>Code List. Version. Identifier</ccts:Name>
      <ccts:Definition>The identification of a list of codes.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
</xsd:attribute>

<xsd:attribute name="name" type="xsd:string" use="optional">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:Name>Code. Name. Text</ccts:Name>
      <ccts:Definition>The textual equivalent of the code content component.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
</xsd:attribute>

<xsd:attribute name="languageCode" type="xsd:language" use="optional">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:Name>Language. Code</ccts:Name>
      <ccts:Definition>The identifier of the language used in the code name.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
</xsd:attribute>
<xsd:attribute name="listURI" type="xsd:anyURI" use="optional">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:Name>Code List. Uniform Resource. Identifier</ccts:Name>
      <ccts:Definition>The Uniform Resource Identifier that identifies where the code list is located.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
</xsd:attribute>

<xsd:attribute name="listSchemeURI" type="xsd:anyURI" use="optional">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:Name>Code List. Scheme Uniform Resource. Identifier</ccts:Name>
      <ccts:Definition>The Uniform Resource Identifier that identifies where the code list scheme is located.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
</xsd:attribute>
</xsd:extension>
</xsd:simpleContent>
</xsd:complexType>
A-4  DateType

```xml
<!-- -------------------------- -->
<!-- Date. Type --
<!-- -------------------------- -->
<xsd:simpleType name="DateType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en"> 
      <ccts:UniqueID>UDT000009</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Date. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>One calendar day according the Gregorian calendar.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:date"/>
</xsd:simpleType>
```
A-5  DateTimeType

<!-- ===== Date Time. Type == -->
<!-- ===== Date Time. Type == -->
<xsd:simpleType name="DateTimeType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT000008</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Date Time. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>A particular point in the progression of time together with the relevant supplementary information.</ccts:Definition>
    </xsd:documentation>
    <ccts:PrimitiveType>string</ccts:PrimitiveType>
    <ccts:UsageRule>Can be used for a date and/or time.</ccts:UsageRule>
  </xsd:annotation>
  <xsd:restriction base="xsd:dateTime"/>
</xsd:simpleType>
<!-- =================================================================== -->
<!-- ===== Graphic. Type                                           ===== -->
<!-- =================================================================== -->
<xsd:complexType name="GraphicType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT000003</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Graphic. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>A diagram, graph, mathematical curves, or similar representation.</ccts:Definition>
      <ccts:PrimitiveType>binary</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:extension base="xsd:base64Binary">
      <xsd:attribute name="format" type="xsd:string" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Graphic. Format. Text</ccts:Name>
            <ccts:Definition>The format of the graphic content.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
      <xsd:attribute name="mimeCode" type="clmIANAMIMEMediaType:MIMEMediaTypeContentType" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Graphic. Mime. Code</ccts:Name>
            <ccts:Definition>The mime type of the graphic object.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
      <xsd:attribute name="encodingCode" type="clm60133:CharacterSetEncodingCodeContentType" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Graphic. Encoding. Code</ccts:Name>
            <ccts:Definition>Specifies the decoding algorithm of the graphic object.</ccts:Definition>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>
<ccts:PrimitiveType>string</ccts:PrimitiveType>
  </xsd:documentation>
  </xsd:annotation>
</xsd:attribute>
</xsd:complexType>
A-7 IdentifierType

```xml
<!-- =================================================================== -->
<!-- === Identifier. Type === -->
<!-- =================================================================== -->
<xsd:complexType name="IDType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT0000011</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Identifier. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>A character string to identify and distinguish uniquely, one instance of an object in an identification scheme from all other objects in the same scheme together with relevant supplementary information.</ccts:Definition>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:extension base="xsd:token">
      <xsd:attribute name="schemeID" type="xsd:token" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Identification Scheme. Identifier</ccts:Name>
            <ccts:Definition>The identification of the identification scheme.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
      <xsd:attribute name="schemeName" type="xsd:string" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Identification Scheme. Name. Text</ccts:Name>
            <ccts:Definition>The name of the identification scheme.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
      <xsd:attribute name="schemeAgencyID" type="clm63055:AgencyIdentificationCodeContentType" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Identification Scheme. Agency Identification Code</ccts:Name>
            <ccts:Definition>The agency responsible for the identification scheme.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
    </xsd:extension>
  </xsd:complexType>
</xsd:complexType>
```
<xsd:attribute name="schemeAgencyName" type="xsd:string" use="optional">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:Name>Identification Scheme. Agency Name. Text</ccts:Name>
      <ccts:Definition>The name of the agency that maintains the identification scheme.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
</xsd:attribute>

<xsd:attribute name="schemeVersionID" type="xsd:token" use="optional">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:Name>Identification Scheme. Version. Identifier</ccts:Name>
      <ccts:Definition>The version of the identification scheme.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
</xsd:attribute>

<xsd:attribute name="schemeDataURI" type="xsd:anyURI" use="optional">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:Name>Identification Scheme Data. Uniform Resource. Identifier</ccts:Name>
      <ccts:Definition>The Uniform Resource Identifier that identifies where the identification scheme data is located.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
</xsd:attribute>

<xsd:attribute name="schemeURI" type="xsd:anyURI" use="optional">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:Name>Identification Scheme. Uniform Resource. Identifier</ccts:Name>
      <ccts:Definition>The Uniform Resource Identifier that identifies where the identification scheme is located.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
</xsd:attribute>
</xsd:documentation>
</xsd:annotation>
</xsd:attribute>
</xsd:extension>
</xsd:simpleContent>
</xsd:complexType>
### A-8 IndicatorType

```xml
<xs:simpleType name="IndicatorType">
    <xs:annotation>
        <xs:documentation xml:lang="en">
            <ccts:UniqueID>UDT0000012</ccts:UniqueID>
            <ccts:Acronym>UDT</ccts:Acronym>
            <ccts:DictionaryEntryName>Indicator. Type</ccts:DictionaryEntryName>
            <ccts:Version>2.01</ccts:Version>
            <ccts:Definition>A list of two mutually exclusive Boolean values that express the only possible states of a property.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
        </xs:documentation>
    </xs:annotation>
    <xs:restriction base="xsd:boolean">
        <xs:pattern value="false"/>
        <xs:pattern value="true"/>
    </xs:restriction>
</xs:simpleType>
```
<xsd:complexType name="MeasureType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT0000013</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Measure. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>A numeric value determined by measuring an object along with the specified unit of measure.</ccts:Definition>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:extension base="xsd:decimal">
      <xsd:attribute name="measureUnitCode" type="clm6Recommendation20:MeasurementUnitCommonCodeContentType" use="optional">\n        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Measure. Unit. Code</ccts:Name>
            <ccts:Definition>The type of unit of measure.</ccts:Definition>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>
<!-- ===== Name. Type                                              ===== -->
<xsd:complexType name="NameType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
    <ccts:UniqueID>UDT0000020</ccts:UniqueID>
    <ccts:Acronym>UDT</ccts:Acronym>
    <ccts:DictionaryEntryName>Name. Type</ccts:DictionaryEntryName>
    <ccts:Version>2.01</ccts:Version>
    <ccts:Definition>A character string that constitutes the distinctive designation of a person, place, thing or concept.</ccts:Definition>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:extension base="xsd:string">
      <xsd:attribute name="languageCode" type="xsd:language" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Language. Code</ccts:Name>
            <ccts:Definition>The identifier of the language used in the content component.</ccts:Definition>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>
A-11 NumericType

```xml
<xsd:simpleType name="NumericType">
    <xsd:annotation>
        <xsd:documentation xml:lang="en">
            <ccts:UniqueID>UDT0000014</ccts:UniqueID>
            <ccts:Acronym>UDT</ccts:Acronym>
            <ccts:DictionaryEntryName>Numeric. Type</ccts:DictionaryEntryName>
            <ccts:Version>2.01</ccts:Version>
            <ccts:Definition>Numeric information that is assigned or is determined by calculation, counting, or sequencing. It does not require a unit of quantity or unit of measure.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:decimal"/>
</xsd:simpleType>
```
A-12 PercentType

```xml
<!-- =================================================================== -->
<!-- ===== Percent. Type                                           ===== -->
<!-- =================================================================== -->
<xsd:simpleType name="PercentType">
   <xsd:annotation>
      <xsd:documentation xml:lang="en">%
         <ccts:UniqueID>UDT0000016</ccts:UniqueID>
         <ccts:Acronym>UDT</ccts:Acronym>
         <ccts:Version>2.01</ccts:Version>
         <ccts:DictionaryEntryName>Percent. Type</ccts:DictionaryEntryName>
         <ccts:Definition>Numeric information that is assigned or is determined by calculation, counting, or sequencing. It does not require a unit of quantity or unit of measure.</ccts:Definition>
         <ccts:PrimitiveType>string</ccts:PrimitiveType>
      </xsd:documentation>
   </xsd:annotation>
   <xsd:restriction base="xsd:decimal"/>
</xsd:simpleType>
```
<xsd:complexType name="PictureType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT000004</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Picture. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>A diagram, graph, mathematical curves, or similar representation.</ccts:Definition>
      <ccts:PrimitiveType>binary</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:extension base="xsd:base64Binary">
      <xsd:attribute name="format" type="xsd:string" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Picture. Format. Text</ccts:Name>
            <ccts:Definition>The format of the picture content.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
      <xsd:attribute name="mimeCode" type="clmIANAMIMEMediaType:MIMEMediaTypeContentType" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Picture. Mime. Code</ccts:Name>
            <ccts:Definition>The mime type of the picture object.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
      <xsd:attribute name="encodingCode" type="clm60133:CharacterSetEncodingCodeContentType" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Picture. Encoding. Code</ccts:Name>
            <ccts:Definition>Specifies the decoding algorithm of the picture object.</ccts:Definition>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>
<ccts:PrimitiveType>string</ccts:PrimitiveType>
</xsd:documentation>
</xsd:annotation>
</xsd:attribute>
</xsd:complexType>

<xsd:attribute name="uri" type="xsd:anyURI" use="optional">
  <xsd:documentation xml:lang="en">
    <ccts:Name>Picture. Uniform Resource. Identifier</ccts:Name>
    <ccts:Definition>The Uniform Resource Identifier that identifies where the picture object is located.</ccts:Definition>
  </xsd:documentation>
</xsd:attribute>

<xsd:attribute name="fileName" type="xsd:string" use="optional">
  <xsd:documentation xml:lang="en">
    <ccts:Name>Picture. File. Name</ccts:Name>
    <ccts:Definition>The fileName of the picture object.</ccts:Definition>
  </xsd:documentation>
</xsd:attribute>
<!-- =================================================================== -->
<!-- ===== Quantity. Type                                          ===== -->
<!-- =================================================================== -->
<xsd:complexType name="QuantityType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT0000018</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Quantity. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>A counted number of non-monetary units possibly including fractions.</ccts:Definition>
      <ccts:PrimitiveType>decimal</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:extension base="xsd:decimal">
      <xsd:attribute name="unitCode" type="clm6Recommendation20:MeasurementUnitCommonCodeContentType" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Quantity. Unit. Code</ccts:Name>
            <ccts:Definition>The unit of the quantity</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>
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A-15 RateType

<!-- =================================================================== -->
<!-- ===== Rate. Type                                              ===== -->
<!-- =================================================================== -->
<xsd:simpleType name="RateType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT0000017</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:Version>2.01</ccts:Version>
      <ccts:DictionaryEntryName>Rate. Type</ccts:DictionaryEntryName>
      <ccts:Definition>Numeric information that is assigned or is determined by calculation, counting, or sequencing. It does not require a unit of quantity or unit of measure.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:decimal"/>
</xsd:simpleType>
<!-- ===== Sound. Type                                             =====

---

<xsd:complexType name="SoundType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT000005</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Sound. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>A diagram, graph, mathematical curves, or similar representation.</ccts:Definition>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:extension base="xsd:base64Binary">
      <xsd:attribute name="format" type="xsd:string" use="optional">
        <xsd:documentation xml:lang="en">
          <ccts:Name>Sound. Format. Text</ccts:Name>
          <ccts:Definition>The format of the sound content.</ccts:Definition>
          <ccts:PrimitiveType>string</ccts:PrimitiveType>
        </xsd:documentation>
      </xsd:attribute>
      <xsd:attribute name="mimeCode" type="clmIANAMIMEMediaType:MIMEMediaTypeContentType" use="optional">
        <xsd:documentation xml:lang="en">
          <ccts:Name>Sound. Mime. Code</ccts:Name>
          <ccts:Definition>The mime type of the sound object.</ccts:Definition>
          <ccts:PrimitiveType>string</ccts:PrimitiveType>
        </xsd:documentation>
      </xsd:attribute>
      <xsd:attribute name="encodingCode" type="clm60133:CharacterSetEncodingCodeContentType" use="optional">
        <xsd:documentation xml:lang="en">
          <ccts:Name>Sound. Encoding. Code</ccts:Name>
          <ccts:Definition>Specifies the decoding algorithm of the sound object.</ccts:Definition>
        </xsd:documentation>
      </xsd:attribute>
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>
<ccts:PrimitiveType>string</ccts:PrimitiveType>
</xsd:documentation>
</xsd:annotation>
</xsd:attribute>
</xsd:extension>
</xsd:simpleContent>
</xsd:complexType>
A-17 TextType

```xml
<!-- ===== Text. Type ===== -->
<xsd:complexType name="TextType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT0000019</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Text. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>A character string (i.e. a finite set of characters) generally in the form of words of a lan-
      guage.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:extension base="xsd:string">
      <xsd:attribute name="languageCode" type="xsd:language" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Language. Code</ccts:Name>
            <ccts:Definition>The identifier of the language used in the content component.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>
```
A-18 TimeType

```xml
<!-- ==----------------------------------------------- -->
<!-- === Time. Type === -->
<!-- ==----------------------------------------------- -->
<xsd:simpleType name="TimeType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT0000010</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Time. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>The instance of time that occurs every day.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:time"/>
</xsd:simpleType>
```
A-19 ValueType

```xml
<!-- ---- Value. Type ----- -->
<xsd:simpleType name="ValueType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT0000015</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:Version>2.01</ccts:Version>
      <ccts:DictionaryEntryName>Value. Type</ccts:DictionaryEntryName>
      <ccts:Definition>Numeric information that is assigned or is determined by calculation, counting, or sequencing. It does not require a unit of quantity or unit of measure.</ccts:Definition>
      <ccts:PrimitiveType>string</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:decimal"/>
</xsd:simpleType>
```
<xsd:complexType name="VideoType">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:UniqueID>UDT000006</ccts:UniqueID>
      <ccts:Acronym>UDT</ccts:Acronym>
      <ccts:DictionaryEntryName>Video. Type</ccts:DictionaryEntryName>
      <ccts:Version>2.01</ccts:Version>
      <ccts:Definition>A diagram, graph, mathematical curves, or similar representation.</ccts:Definition>
      <ccts:PrimitiveType>binary</ccts:PrimitiveType>
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:extension base="xsd:base64Binary">
      <xsd:attribute name="format" type="xsd:string" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Video. Format. Text</ccts:Name>
            <ccts:Definition>The format of the video content.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
      <xsd:attribute name="mimeCode" type="clmIANAMIMEMediaType:MIMEMediaTypeContentType" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Video. Mime. Code</ccts:Name>
            <ccts:Definition>The mime type of the video object.</ccts:Definition>
            <ccts:PrimitiveType>string</ccts:PrimitiveType>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
      <xsd:attribute name="encodingCode" type="clm60133:CharacterSetEncodingCodeContentType" use="optional">
        <xsd:annotation>
          <xsd:documentation xml:lang="en">
            <ccts:Name>Video. Encoding. Code</ccts:Name>
            <ccts:Definition>Specifies the decoding algorithm of the video object.</ccts:Definition>
          </xsd:documentation>
        </xsd:annotation>
      </xsd:attribute>
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>
<ccts:PrimitiveType>string</ccts:PrimitiveType>
</xsd:documentation>
</xsd:attribute>
<xsd:attribute name="uri" type="xsd:anyURI" use="optional">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:Name>Video. Uniform Resource. Identifier</ccts:Name>
      <ccts:Definition>The Uniform Resource Identifier that identifies where the video object is located.</ccts:Definition>
    </xsd:documentation>
  </xsd:annotation>
</xsd:attribute>
<xsd:attribute name="fileName" type="xsd:string" use="optional">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      <ccts:Name>Video. File. Name</ccts:Name>
      <ccts:Definition>The fileName of the video object.</ccts:Definition>
    </xsd:documentation>
  </xsd:annotation>
</xsd:attribute>
</xsd:complexType>
Appendix B – EDIFACT Expressions of Unqualified Data Types

EDIFACT supports a limited number of unqualified data types as shown in the following sections:

B-1 Amount. Type

MOA MONETARY AMOUNT

Function: To specify a monetary amount.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Format</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>C516 MONETARY AMOUNT</td>
<td>M</td>
<td>1</td>
</tr>
<tr>
<td>5025</td>
<td>Monetary amount type code qualifier</td>
<td>M</td>
<td>an..3</td>
</tr>
<tr>
<td>5004</td>
<td>Monetary amount</td>
<td>C</td>
<td>n..35</td>
</tr>
<tr>
<td>6345</td>
<td>Currency identification code</td>
<td>C</td>
<td>an..3</td>
</tr>
<tr>
<td>6343</td>
<td>Currency type code qualifier</td>
<td>C</td>
<td>an..3</td>
</tr>
<tr>
<td>4405</td>
<td>Status description code</td>
<td>C</td>
<td>an..3</td>
</tr>
</tbody>
</table>

B-2 Date Time. Type

DTM DATE/TIME/PERIOD

Function: To specify date, and/or time, or period.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Format</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>C507 DATE/TIME/PERIOD</td>
<td>M</td>
<td>1</td>
</tr>
<tr>
<td>2005</td>
<td>Date or time or period function code</td>
<td>M</td>
<td>an..3</td>
</tr>
<tr>
<td>2380</td>
<td>Date or time or period text</td>
<td>C</td>
<td>an..35</td>
</tr>
<tr>
<td>2379</td>
<td>Date or time or period format code</td>
<td>C</td>
<td>an..3</td>
</tr>
</tbody>
</table>
### B-3 Measure. Type

**MEASUREMENTS**

Function: To specify physical measurements, including dimension tolerances, weights and counts.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>6311 MEASUREMENT PURPOSE CODE QUALIFIER</td>
<td>M</td>
<td>1 an..3</td>
</tr>
<tr>
<td>020</td>
<td>C502 MEASUREMENT DETAILS</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>6313 Measured attribute code</td>
<td>C</td>
<td>an..3</td>
</tr>
<tr>
<td></td>
<td>6321 Measurement significance code</td>
<td>C</td>
<td>an..3</td>
</tr>
<tr>
<td></td>
<td>6155 Non-discrete measurement name code</td>
<td>C</td>
<td>an..17</td>
</tr>
<tr>
<td></td>
<td>6154 Non-discrete measurement name</td>
<td>C</td>
<td>an..70</td>
</tr>
<tr>
<td>030</td>
<td>C174 VALUE/RANGE</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>6411 Measurement unit code</td>
<td>M</td>
<td>an..8</td>
</tr>
<tr>
<td></td>
<td>6314 Measure</td>
<td>C</td>
<td>an..18</td>
</tr>
<tr>
<td></td>
<td>6162 Range minimum quantity</td>
<td>C</td>
<td>n..18</td>
</tr>
<tr>
<td></td>
<td>6152 Range maximum quantity</td>
<td>C</td>
<td>n..18</td>
</tr>
<tr>
<td></td>
<td>6432 Significant digits quantity</td>
<td>C</td>
<td>n..2</td>
</tr>
<tr>
<td>040</td>
<td>7383 SURFACE OR LAYER CODE</td>
<td>C</td>
<td>1 an..3</td>
</tr>
</tbody>
</table>

### B-4 Quantity. Type

**QUANTITY**

Function: To specify a pertinent quantity.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>C186 QUANTITY DETAILS</td>
<td>M</td>
<td>1</td>
</tr>
<tr>
<td>010</td>
<td>6063 Quantity type code qualifier</td>
<td>M</td>
<td>an..3</td>
</tr>
<tr>
<td></td>
<td>6060 Quantity</td>
<td>M</td>
<td>an..35</td>
</tr>
<tr>
<td></td>
<td>6411 Measurement unit code</td>
<td>C</td>
<td>an..8</td>
</tr>
</tbody>
</table>
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