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DRAFT

Extract from IMPLEMENTATION GUIDE
TRANSACTION "TRACEABILITY REPORT"

Version: draft

Date of release: 10/10/2022

Document code: TRC004e

technical Documentation: <http://www.ebiz.enea.it>

XML Schemas repository: <http://www.ebiz.enea.it/moda-ml/repository/schema/draft/default.asp>

Guides repository: <http://www.ebiz.enea.it/moda-ml/repository/guide/draft/default.asp>

Guide filename: TRC004-TRICK-TraceabilityReport.pdf

0. PREMISE

This document contains a proposal for the updating and extension of eBIZ specifications starting from the eBIZ version 2018. Under the name of 'Draft version' it is reported the result of an extensive work of analysis and consultation aimed at developing and maintaining eBIZ specifications.

In particular, the content of this proposal is the result of various activities, mainly those carried out within the framework of the **TRICK project** funded by the European Commission: grant agreement 958352, call H2020-LOW-CARBON-CIRCULAR-INDUSTRIES-2020 / H2020-LCCI-2020-EASME-twostage.

The technical contents are backwards compatible with the latest official published version, with the exclusion of the totally new concepts added explicitly for the version that are thought as incremental evolution of the knowledge base.

1. BUSINESS DESCRIPTION

1.1 Scope

This guide aims to illustrate to fashion companies the standard XML format of the document type "TRACEABILITY REPORT", providing instructions for its use in the context of a TRACEABILITY SYSTEM involving Fashion Manufacturers, their customers, third parties and in case customs authorities, eBusiness and eCommerce platforms. All the rules necessary for the construction and validation of the document are expressed through a specific XML schema, which is presented in detail in the paragraph "Implementation Guide".

1.2 Generalities

This document has a double function:

- it can be used to RETRIEVE the FULL HISTORY of a traceability unit (in this case all the events relating to the traceability unit - the history - are contained in the document from the beginning of its history; the events relating to the components can be or not included depending on the level of detail requested and the disclosure allowed to the applicant); in some cases it might also retrieve information relating to more than one traceability units.

In this use, the report is usually a response to a request for information.

When reporting the complete history of a traceability unit the document would contain an item with attribute `primaryItemFlag=true` which identifies the primary lot of the history, while the remaining items are related to the components.

otherwise

- it can be used to NOTIFY to a partner (for example the customer) or to the traceability system the NEW or (exceptionally) MODIFIED events relating to one or more traceability units (in this case the events contained in the document must be added to the history of the traceability unit to which they refer, as long as the sender has the appropriate authorization level).

In this case the report is sent to the receiver and constitutes a request for registration.

Validity of the report: the report contents are guaranteed at the issuing time: the past cannot be changed (with the exception of error corrections), but it may evolve with new events.

It is important to distinguish between two stages of the product life: reports up to the 'ready for use' status and circularity reports that include its life after usage up to dismantling:

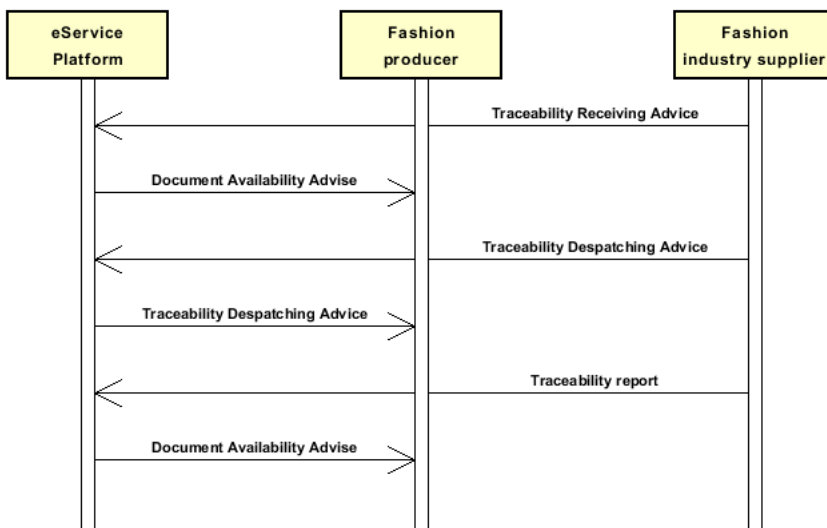
1) when the product is finished, the 'technical history' of a lot of product is ended

2) changes may happen on logistic or ownership or usage between sales/delivering and recollection/dismantling

- logistic: changes of the lots (before sales/deliver) for example sent to different warehouses. . .
- usage: should not affect the tracing report

1.3. Possible scenario

P1.A2 Incoming material



2. IMPLEMENTATION GUIDE

2.1 General structure of XML document

All the business data that can be exchanged through this class of documents are shown in the following "document structure", that provides a simplified vision of the Schema.

In particular:

- the two numbers following each element define its "cardinality" (minimum and maximum number of occurrences); the minimum equal zero indicates that the element is optional, the minimum greater than zero indicates that is mandatory;
- the bold character denotes the complex elements (aggregates of simple elements) that were built for the sake of functionality and re-usability of some complex informations sets. The child elements in each parent element are easily spotted as "indented";
- the symbol "@" denotes an attribute of the preceding element; here "the usage indicator (optional, required, ...)" is shown in square brackets.

Structure

TRCTRARReport

@version [Optional] [Default= 2018-1]

@useProfile [Optional]

@TRCReportFunction [Required]

| TRCheader 1-1

| msgN 1-1

| msgID 0-1

| msgDate 1-1

| @dateForm [Optional]

| refDoc 0-9

| @docType [Required]

| docID 1-2

| @numberingOrg [Optional]

| docDate 0-1

| @dateForm [Optional]

| season 0-1

| @numberingOrg [Optional]

| @codeList [Optional]

| @listName [Optional]

| @listVersion [Optional]

| itemID 0-1

| attachment 0-1

| @uid [Optional]

| fileName 0-1

| @numberingOrg [Optional]

| binaryObject 0-1

| @format [Optional]

| @mime [Optional]

| @encoding [Optional]

| @characterSet [Optional]

| externalReference 0-99

| uri 1-1

| @isURL [Optional] [Default= true]

| mimeTypeCode 0-1

| formatCode 0-1

| encodingCode 0-1

| characterSetCode 0-1

| certificate 0-9

| @docStatusCode [Required]

| @docValidity [Required]

| docID 1-1

| @numberingOrg [Optional]

| certificateID 1-1

| @schemeID [Optional]

| certificationStandardName 1-1

| @standardOwner [Required]

| docDate 1-1

| @dateForm [Optional]

| title 0-unbounded

| @In [Optional]
 | description 0-unbounded
 | @In [Optional]
 | validityStart 0-1
 | @dateForm [Optional]
 | validityEnd 0-1
 | @dateForm [Optional]
 | validityExtensionDate 0-1
 | @dateForm [Optional]
 | sustainabilityCharacteristicText 0-99
 | @In [Optional]
 | **issuerParty 1-1**
 | | id 0-1
 | | @numberingOrg [Optional]
 | | legalName 0-1
 | | dept 0-1
 | | subDept 0-1
 | | person 0-1
 | | @email [Optional]
 | | @phone [Optional]
 | | @fax [Optional]
 | | street 0-1
 | | city 0-1
 | | subCountry 0-1
 | | country 0-1
 | | postCode 0-1
 | | **geoCoordinates 0-1**
 | | @um [Optional] [Default= DEGD]
 | | @geoReferenceSystem [Optional]
 | | | xGeoCoord 1-1
 | | | yGeoCoord 1-1
 | | | zGeoCoord 0-0
 | | issuerAccreditationInfo 0-1
 | **certifiedParty 1-1**
 | | id 0-1
 | | @numberingOrg [Optional]
 | | legalName 0-1
 | | dept 0-1
 | | subDept 0-1
 | | person 0-1
 | | @email [Optional]
 | | @phone [Optional]
 | | @fax [Optional]
 | | street 0-1
 | | city 0-1
 | | subCountry 0-1
 | | country 0-1
 | | postCode 0-1
 | | **geoCoordinates 0-1**
 | | @um [Optional] [Default= DEGD]
 | | @geoReferenceSystem [Optional]
 | | | xGeoCoord 1-1
 | | | yGeoCoord 1-1
 | | | zGeoCoord 0-0
 | **certifiedEntity 0-unbounded**
 | | entityID 1-3
 | | @schemeID [Required]
 | | entityTypeCode 1-1
 | | description 0-9
 | | @In [Optional]
 | **attachment 0-1**
 | @uid [Optional]
 | | fileName 0-1
 | | @numberingOrg [Optional]
 | | binaryObject 0-1
 | | @format [Optional]
 | | @mime [Optional]
 | | @encoding [Optional]

```

| | | | @characterSet [Optional]
| | | | externalReference 0-99
| | | | | uri 1-1
| | | | | @isURL [Optional] [Default= true]
| | | | | mimeTypeCode 0-1
| | | | | formatCode 0-1
| | | | | encodingCode 0-1
| | | | | characterSetCode 0-1
| | | | note 0-99
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @noteLabel [Optional]
| | | | externalRefDoc 0-9
| | | | | docID 1-1
| | | | | @numberingOrg [Optional]
| | | | | docDate 0-1
| | | | | @dateForm [Optional]
| | | | | title 0-unbounded
| | | | | @ln [Optional]
| | | | | description 0-unbounded
| | | | | @ln [Optional]
| | | | | validityStart 0-1
| | | | | @dateForm [Optional]
| | | | | validityEnd 0-1
| | | | | @dateForm [Optional]
| | | | | documentType 0-1
| | | | | issuerParty 0-1
| | | | | | id 0-1
| | | | | | @numberingOrg [Optional]
| | | | | | legalName 0-1
| | | | | | dept 0-1
| | | | | | subDept 0-1
| | | | | | person 0-1
| | | | | | @email [Optional]
| | | | | | @phone [Optional]
| | | | | | @fax [Optional]
| | | | | | street 0-1
| | | | | | city 0-1
| | | | | | subCountry 0-1
| | | | | | country 0-1
| | | | | | postCode 0-1
| | | | | | geoCoordinates 0-1
| | | | | | @um [Optional] [Default= DEGD]
| | | | | | @geoReferenceSystem [Optional]
| | | | | | | xGeoCoord 1-1
| | | | | | | yGeoCoord 1-1
| | | | | | | zGeoCoord 0-0
| | | | | | issuerAccreditationInfo 0-1
| | | | | signatureInformation 0-1
| | | | | | signatureTypeCode 1-1
| | | | | | signatoryParty 0-unbounded
| | | | | | | id 0-1
| | | | | | | @numberingOrg [Optional]
| | | | | | | legalName 0-1
| | | | | | | dept 0-1
| | | | | | | subDept 0-1
| | | | | | | person 0-1
| | | | | | | @email [Optional]
| | | | | | | @phone [Optional]
| | | | | | | @fax [Optional]
| | | | | | | street 0-1
| | | | | | | city 0-1
| | | | | | | subCountry 0-1
| | | | | | | country 0-1
| | | | | | | postCode 0-1
| | | | | | | geoCoordinates 0-1
| | | | | | | @um [Optional] [Default= DEGD]
| | | | | | | @geoReferenceSystem [Optional]

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| | | | xGeoCoord 1-1
| | | | yGeoCoord 1-1
| | | | zGeoCoord 0-0
| attachment 0-1
| @uid [Optional]
| | fileName 0-1
| | | @numberingOrg [Optional]
| | binaryObject 0-1
| | | @format [Optional]
| | | @mime [Optional]
| | | @encoding [Optional]
| | | @characterSet [Optional]
| | externalReference 0-99
| | | uri 1-1
| | | | @isURL [Optional] [Default= true]
| | | | mimeTypeCode 0-1
| | | | formatCode 0-1
| | | | encodingCode 0-1
| | | | characterSetCode 0-1
| | note 0-99
| | | @numberingOrg [Optional]
| | | @codeList [Optional]
| | | @noteLabel [Optional]
| senderParty 1-1
| @role [Optional]
| @sender [Optional]
| | id 1-1
| | | @numberingOrg [Optional]
| | legalName 0-1
| | dept 0-1
| | subDept 0-1
| | person 0-1
| | | @email [Optional]
| | | @phone [Optional]
| | | @fax [Optional]
| | street 0-1
| | city 0-1
| | subCountry 0-1
| | country 0-1
| | postCode 0-1
| | geoCoordinates 0-1
| | | @um [Optional] [Default= DEGD]
| | | @geoReferenceSystem [Optional]
| | | | xGeoCoord 1-1
| | | | yGeoCoord 1-1
| | | | zGeoCoord 0-0
| receiverParty 1-1
| @role [Optional]
| @sender [Optional]
| | id 1-1
| | | @numberingOrg [Optional]
| | legalName 0-1
| | dept 0-1
| | subDept 0-1
| | person 0-1
| | | @email [Optional]
| | | @phone [Optional]
| | | @fax [Optional]
| | street 0-1
| | city 0-1
| | subCountry 0-1
| | country 0-1
| | postCode 0-1
| | geoCoordinates 0-1
| | | @um [Optional] [Default= DEGD]
| | | @geoReferenceSystem [Optional]
| | | | xGeoCoord 1-1
| | | | yGeoCoord 1-1

```

- | | | zGeoCoord 0-0
- | **thirdParty 0-5**
- | @VAT [Optional]
- | @role [Required]
- | @sender [Optional]
- | | id 1-1
- | | | @numberingOrg [Optional]
- | | legalName 0-1
- | | dept 0-1
- | | subDept 0-1
- | | person 0-1
- | | | @email [Optional]
- | | | @phone [Optional]
- | | | @fax [Optional]
- | | street 0-1
- | | city 0-1
- | | subCountry 0-1
- | | country 0-1
- | | postCode 0-1
- | | **geoCoordinates 0-1**
- | | | @um [Optional] [Default= DEGD]
- | | | @geoReferenceSystem [Optional]
- | | | | xGeoCoord 1-1
- | | | | yGeoCoord 1-1
- | | | | zGeoCoord 0-0
- | note 0-99
- | | @numberingOrg [Optional]
- | | @codeList [Optional]
- | | @noteLabel [Optional]

| **TRCTraReportBody 1-1**

- | | **TRCTraRepltem 1-unbounded**
- | | @primaryItemFlag [Optional] [Default= false]
- | | @limitedByDisclosureIndicator [Optional]
- | | @exhaustiveInformation [Optional]
- | | | lineN 1-1
- | | | | @VAT [Optional]
- | | | lineID 0-1
- | | | **tracedObjects 1-unbounded**
- | | | | uniqueProductID 1-1
- | | | | | @schemeID [Required]
- | | | | objectTypeCode 1-1
- | | | | qty 0-2
- | | | | @um [Required]
- | | | | **objectInstanceList 1-1**
- | | | | | **objectInstanceIdentification 1-unbounded**
- | | | | | | @objectInstanceTypeCode [Required]
- | | | | | | objectID 1-9
- | | | | | | @schemeID [Required]

| | **TRCEventList 1-1**

| | - choose - maxOccurs="unbounded"

- | | | **TRCObjectEvent 1-1**
- | | | | @progr [Optional]
- | | | | eventID 1-1
- | | | | | @schemeID [Optional]
- | | | | eventActionCode 1-1
- | | | | eventDateTime 1-1
- | | | | | @dateForm [Required]
- | | | | recordDateTime 1-1
- | | | | | @dateForm [Optional]
- | | | | certificationInfo 0-9
- | | | | | @schemeID [Optional]
- | | | | businessStepCode 1-1
- | | | | | @numberingOrg [Optional]
- | | | | | @codeList [Optional]
- | | | | | @listName [Optional]
- | | | | | @listVersion [Optional]
- | | | **manufacturingStep 0-1**

manufacturingStepID 1-1
 @schemeID [Required]
 description 0-9
 @In [Optional]

tracedObjects 0-unbounded
 uniqueProductID 1-1
 @schemeID [Required]
 objectTypeCode 1-1
 qty 0-2
 @um [Required]

objectInstanceList 1-1
objectInstanceIdentification 1-unbounded
 @objectInstanceTypeCode [Required]
 objectID 1-9
 @schemeID [Required]

eventReadLocation 1-1
 location 0-1
 @LRI [Optional]
 legalName 0-1
 dept 0-1
 subDept 0-1
 person 0-1
 @email [Optional]
 @phone [Optional]
 @fax [Optional]
 street 0-1
 city 0-1
 subCountry 0-1
 country 0-1
 postCode 0-1

geoCoordinates 0-1
 @um [Optional] [Default= DEGD]
 @geoReferenceSystem [Optional]
 xGeoCoord 1-1
 yGeoCoord 1-1
 zGeoCoord 0-0

eventBusinessLocation 0-1
 location 0-1
 @LRI [Optional]
 legalName 0-1
 dept 0-1
 subDept 0-1
 person 0-1
 @email [Optional]
 @phone [Optional]
 @fax [Optional]
 street 0-1
 city 0-1
 subCountry 0-1
 country 0-1
 postCode 0-1

geoCoordinates 0-1
 @um [Optional] [Default= DEGD]
 @geoReferenceSystem [Optional]
 xGeoCoord 1-1
 yGeoCoord 1-1
 zGeoCoord 0-0

eventSourceParty 1-1
 id 0-1
 @numberingOrg [Optional]
 legalName 0-1
 dept 0-1
 subDept 0-1
 person 0-1
 @email [Optional]
 @phone [Optional]
 @fax [Optional]
 street 0-1

					city 0-1
					subCountry 0-1
					country 0-1
					postCode 0-1
					geoCoordinates 0-1
					@um [Optional] [Default= DEGD]
					@geoReferenceSystem [Optional]
					xGeoCoord 1-1
					yGeoCoord 1-1
					zGeoCoord 0-0
					traceabilityPartyRole 0-1
					@numberingOrg [Optional]
					@codeList [Optional] [Default= http://www.ebiz.enea.it/moda-ml/repository/codelist/Draft/gc_TRKR1.xml]
					@listName [Optional]
					@listVersion [Optional]
					eventDestinationParty 0-1
					id 0-1
					@numberingOrg [Optional]
					legalName 0-1
					dept 0-1
					subDept 0-1
					person 0-1
					@email [Optional]
					@phone [Optional]
					@fax [Optional]
					street 0-1
					city 0-1
					subCountry 0-1
					country 0-1
					postCode 0-1
					geoCoordinates 0-1
					@um [Optional] [Default= DEGD]
					@geoReferenceSystem [Optional]
					xGeoCoord 1-1
					yGeoCoord 1-1
					zGeoCoord 0-0
					traceabilityPartyRole 1-1
					@numberingOrg [Optional]
					@codeList [Optional] [Default= http://www.ebiz.enea.it/moda-ml/repository/codelist/Draft/gc_TRKR1.xml]
					@listName [Optional]
					@listVersion [Optional]
					externalRefDoc 0-9
					docID 1-1
					@numberingOrg [Optional]
					docDate 0-1
					@dateForm [Optional]
					title 0-unbounded
					@ln [Optional]
					description 0-unbounded
					@ln [Optional]
					validityStart 0-1
					@dateForm [Optional]
					validityEnd 0-1
					@dateForm [Optional]
					documentType 0-1
					issuerParty 0-1
					id 0-1
					@numberingOrg [Optional]
					legalName 0-1
					dept 0-1
					subDept 0-1
					person 0-1
					@email [Optional]
					@phone [Optional]
					@fax [Optional]
					street 0-1

city 0-1
 subCountry 0-1
 country 0-1
 postCode 0-1
geoCoordinates 0-1
 @um [Optional] [Default= DEGD]
 @geoReferenceSystem [Optional]
 | xGeoCoord 1-1
 | yGeoCoord 1-1
 | zGeoCoord 0-0
 issuerAccreditationInfo 0-1
signatureInformation 0-1
 signatureTypeCode 1-1
signatoryParty 0-unbounded
 | id 0-1
 | @numberingOrg [Optional]
 | legalName 0-1
 | dept 0-1
 | subDept 0-1
 | person 0-1
 | @email [Optional]
 | @phone [Optional]
 | @fax [Optional]
 | street 0-1
 | city 0-1
 | subCountry 0-1
 | country 0-1
 | postCode 0-1
geoCoordinates 0-1
 @um [Optional] [Default= DEGD]
 @geoReferenceSystem [Optional]
 | xGeoCoord 1-1
 | yGeoCoord 1-1
 | zGeoCoord 0-0
attachment 0-1
 @uid [Optional]
 | fileName 0-1
 | @numberingOrg [Optional]
 | binaryObject 0-1
 | @format [Optional]
 | @mime [Optional]
 | @encoding [Optional]
 | @characterSet [Optional]
externalReference 0-99
 | uri 1-1
 | @isURL [Optional] [Default= true]
 | mimeTypeCode 0-1
 | formatCode 0-1
 | encodingCode 0-1
 | characterSetCode 0-1
 note 0-99
 @numberingOrg [Optional]
 @codeList [Optional]
 @noteLabel [Optional]
 note 0-9
 @numberingOrg [Optional]
 @codeList [Optional]
 @noteLabel [Optional]

- or -

TRCTransformationEvent 1-1
 @progr [Optional]
 eventID 1-1
 @schemeID [Optional]
 eventActionCode 1-1
 eventDateTime 1-1
 @dateForm [Required]
 recordDateTime 1-1
 @dateForm [Optional]

certificationInfo 0-9
 @schemeID [Optional]
 businessStepCode 1-1
 @numberingOrg [Optional]
 @codeList [Optional]
 @listName [Optional]
 @listVersion [Optional]
manufacturingStep 0-1
 manufacturingStepID 1-1
 @schemeID [Required]
 description 0-9
 @ln [Optional]
inputComponents 1-unbounded
 uniqueProductID 1-1
 @schemeID [Required]
 objectTypeCode 1-1
 qty 0-2
 @um [Required]
objectInstanceList 1-1
objectInstanceIdentification 1-unbounded
 @objectInstanceTypeCode [Required]
 objectID 1-9
 @schemeID [Required]
outputObjects 0-unbounded
 uniqueProductID 1-1
 @schemeID [Required]
 objectTypeCode 1-1
 qty 0-2
 @um [Required]
objectInstanceList 1-1
objectInstanceIdentification 1-unbounded
 @objectInstanceTypeCode [Required]
 objectID 1-9
 @schemeID [Required]
eventReadLocation 1-1
 location 0-1
 @LRI [Optional]
 legalName 0-1
 dept 0-1
 subDept 0-1
 person 0-1
 @email [Optional]
 @phone [Optional]
 @fax [Optional]
 street 0-1
 city 0-1
 subCountry 0-1
 country 0-1
 postCode 0-1
geoCoordinates 0-1
 @um [Optional] [Default= DEGD]
 @geoReferenceSystem [Optional]
 xGeoCoord 1-1
 yGeoCoord 1-1
 zGeoCoord 0-0
eventBusinessLocation 0-1
 location 0-1
 @LRI [Optional]
 legalName 0-1
 dept 0-1
 subDept 0-1
 person 0-1
 @email [Optional]
 @phone [Optional]
 @fax [Optional]
 street 0-1
 city 0-1
 subCountry 0-1

```

| | | | | country 0-1
| | | | | postCode 0-1
| | | | | geoCoordinates 0-1
| | | | | @um [Optional] [Default= DEGD]
| | | | | @geoReferenceSystem [Optional]
| | | | | | xGeoCoord 1-1
| | | | | | yGeoCoord 1-1
| | | | | | zGeoCoord 0-0
| | | | | eventSourceParty 1-1
| | | | | id 0-1
| | | | | @numberingOrg [Optional]
| | | | | legalName 0-1
| | | | | dept 0-1
| | | | | subDept 0-1
| | | | | person 0-1
| | | | | @email [Optional]
| | | | | @phone [Optional]
| | | | | @fax [Optional]
| | | | | street 0-1
| | | | | city 0-1
| | | | | subCountry 0-1
| | | | | country 0-1
| | | | | postCode 0-1
| | | | | geoCoordinates 0-1
| | | | | @um [Optional] [Default= DEGD]
| | | | | @geoReferenceSystem [Optional]
| | | | | | xGeoCoord 1-1
| | | | | | yGeoCoord 1-1
| | | | | | zGeoCoord 0-0
| | | | | traceabilityPartyRole 0-1
| | | | | @numberingOrg [Optional]
| | | | | @codeList [Optional] [Default= http://www.ebiz.enea.it/moda-
ml/repository/codelist/Draft/gc_TRKR1.xml]
| | | | | @listName [Optional]
| | | | | @listVersion [Optional]
| | | | | eventDestinationParty 0-1
| | | | | id 0-1
| | | | | @numberingOrg [Optional]
| | | | | legalName 0-1
| | | | | dept 0-1
| | | | | subDept 0-1
| | | | | person 0-1
| | | | | @email [Optional]
| | | | | @phone [Optional]
| | | | | @fax [Optional]
| | | | | street 0-1
| | | | | city 0-1
| | | | | subCountry 0-1
| | | | | country 0-1
| | | | | postCode 0-1
| | | | | geoCoordinates 0-1
| | | | | @um [Optional] [Default= DEGD]
| | | | | @geoReferenceSystem [Optional]
| | | | | | xGeoCoord 1-1
| | | | | | yGeoCoord 1-1
| | | | | | zGeoCoord 0-0
| | | | | traceabilityPartyRole 1-1
| | | | | @numberingOrg [Optional]
| | | | | @codeList [Optional] [Default= http://www.ebiz.enea.it/moda-
ml/repository/codelist/Draft/gc_TRKR1.xml]
| | | | | @listName [Optional]
| | | | | @listVersion [Optional]
| | | | | externalRefDoc 0-9
| | | | | docID 1-1
| | | | | @numberingOrg [Optional]
| | | | | docDate 0-1
| | | | | @dateForm [Optional]
| | | | | title 0-unbounded

```

```

| @In [Optional]
| description 0-unbounded
| @In [Optional]
| validityStart 0-1
| @dateForm [Optional]
| validityEnd 0-1
| @dateForm [Optional]
| documentType 0-1
| issuerParty 0-1
| | id 0-1
| | | @numberingOrg [Optional]
| | | legalName 0-1
| | | dept 0-1
| | | subDept 0-1
| | | person 0-1
| | | @email [Optional]
| | | @phone [Optional]
| | | @fax [Optional]
| | | street 0-1
| | | city 0-1
| | | subCountry 0-1
| | | country 0-1
| | | postCode 0-1
| | | geoCoordinates 0-1
| | | | @um [Optional] [Default= DEGD]
| | | | @geoReferenceSystem [Optional]
| | | | | xGeoCoord 1-1
| | | | | yGeoCoord 1-1
| | | | | zGeoCoord 0-0
| | | issuerAccreditationInfo 0-1
| | signatureInformation 0-1
| | | signatureTypeCode 1-1
| | | signatoryParty 0-unbounded
| | | | id 0-1
| | | | | @numberingOrg [Optional]
| | | | | legalName 0-1
| | | | | dept 0-1
| | | | | subDept 0-1
| | | | | person 0-1
| | | | | @email [Optional]
| | | | | @phone [Optional]
| | | | | @fax [Optional]
| | | | | street 0-1
| | | | | city 0-1
| | | | | subCountry 0-1
| | | | | country 0-1
| | | | | postCode 0-1
| | | | | geoCoordinates 0-1
| | | | | | @um [Optional] [Default= DEGD]
| | | | | | @geoReferenceSystem [Optional]
| | | | | | | xGeoCoord 1-1
| | | | | | | yGeoCoord 1-1
| | | | | | | zGeoCoord 0-0
| | attachment 0-1
| | | @uid [Optional]
| | | | fileName 0-1
| | | | | @numberingOrg [Optional]
| | | | | binaryObject 0-1
| | | | | @format [Optional]
| | | | | @mime [Optional]
| | | | | @encoding [Optional]
| | | | | @characterSet [Optional]
| | | externalReference 0-99
| | | | uri 1-1
| | | | | @isURL [Optional] [Default= true]
| | | | | mimeTypeCode 0-1
| | | | | formatCode 0-1
| | | | | encodingCode 0-1

```

						characterSetCode 0-1
						note 0-99
						@numberingOrg [Optional]
						@codeList [Optional]
						@noteLabel [Optional]
						note 0-9
						@numberingOrg [Optional]
						@codeList [Optional]
						@noteLabel [Optional]
						- or -
						TRCAggregationEvent 1-1
						@progr [Optional]
						eventID 1-1
						@schemeID [Optional]
						eventActionCode 1-1
						eventDateTime 1-1
						@dateForm [Required]
						recordDateTime 1-1
						@dateForm [Optional]
						certificationInfo 0-9
						@schemeID [Optional]
						businessStepCode 1-1
						@numberingOrg [Optional]
						@codeList [Optional]
						@listName [Optional]
						@listVersion [Optional]
						manufacturingStep 0-1
						manufacturingStepID 1-1
						@schemeID [Required]
						description 0-9
						@ln [Optional]
						childComponents 1-unbounded
						uniqueProductID 1-1
						@schemeID [Required]
						objectTypeCode 1-1
						qty 0-2
						@um [Required]
						objectInstanceList 1-1
						objectInstanceIdentification 1-unbounded
						@objectInstanceTypeCode [Required]
						objectID 1-9
						@schemeID [Required]
						parentObjects 0-unbounded
						uniqueProductID 1-1
						@schemeID [Required]
						objectTypeCode 1-1
						qty 0-2
						@um [Required]
						objectInstanceList 1-1
						objectInstanceIdentification 1-unbounded
						@objectInstanceTypeCode [Required]
						objectID 1-9
						@schemeID [Required]
						eventReadLocation 1-1
						location 0-1
						@LRI [Optional]
						legalName 0-1
						dept 0-1
						subDept 0-1
						person 0-1
						@email [Optional]
						@phone [Optional]
						@fax [Optional]
						street 0-1
						city 0-1
						subCountry 0-1
						country 0-1
						postCode 0-1

geoCoordinates 0-1

@um [Optional] [Default= DEGD]
@geoReferenceSystem [Optional]
| xGeoCoord 1-1
| yGeoCoord 1-1
| zGeoCoord 0-0

eventBusinessLocation 0-1

location 0-1
@LRI [Optional]
legalName 0-1
dept 0-1
subDept 0-1
person 0-1
@email [Optional]
@phone [Optional]
@fax [Optional]
street 0-1
city 0-1
subCountry 0-1
country 0-1
postCode 0-1

geoCoordinates 0-1

@um [Optional] [Default= DEGD]
@geoReferenceSystem [Optional]
| xGeoCoord 1-1
| yGeoCoord 1-1
| zGeoCoord 0-0

eventSourceParty 1-1

id 0-1
@numberingOrg [Optional]
legalName 0-1
dept 0-1
subDept 0-1
person 0-1
@email [Optional]
@phone [Optional]
@fax [Optional]
street 0-1
city 0-1
subCountry 0-1
country 0-1
postCode 0-1

geoCoordinates 0-1

@um [Optional] [Default= DEGD]
@geoReferenceSystem [Optional]
| xGeoCoord 1-1
| yGeoCoord 1-1
| zGeoCoord 0-0

traceabilityPartyRole 0-1

@numberingOrg [Optional]
@codeList [Optional] [Default= http://www.ebiz.enea.it/moda-ml/repository/codelist/Draft/gc_TRKR1.xml]

@listName [Optional]
@listVersion [Optional]

eventDestinationParty 0-1

id 0-1
@numberingOrg [Optional]
legalName 0-1
dept 0-1
subDept 0-1
person 0-1
@email [Optional]
@phone [Optional]
@fax [Optional]
street 0-1
city 0-1
subCountry 0-1
country 0-1

| | | | | postCode 0-1
| | | | | **geoCoordinates 0-1**
| | | | | @um [Optional] [Default= DEGD]
| | | | | @geoReferenceSystem [Optional]
| | | | | | xGeoCoord 1-1
| | | | | | yGeoCoord 1-1
| | | | | | zGeoCoord 0-0
| | | | | traceabilityPartyRole 1-1
| | | | | @numberingOrg [Optional]
| | | | | @codeList [Optional] [Default= http://www.ebiz.enea.it/moda-
ml/repository/codelist/Draft/gc_TRKR1.xml]
| | | | | @listName [Optional]
| | | | | @listVersion [Optional]
| | | | | **externalRefDoc 0-9**
| | | | | docID 1-1
| | | | | @numberingOrg [Optional]
| | | | | docDate 0-1
| | | | | @dateForm [Optional]
| | | | | title 0-unbounded
| | | | | @In [Optional]
| | | | | description 0-unbounded
| | | | | @In [Optional]
| | | | | validityStart 0-1
| | | | | @dateForm [Optional]
| | | | | validityEnd 0-1
| | | | | @dateForm [Optional]
| | | | | documentType 0-1
| | | | | **issuerParty 0-1**
| | | | | | id 0-1
| | | | | | @numberingOrg [Optional]
| | | | | | legalName 0-1
| | | | | | dept 0-1
| | | | | | subDept 0-1
| | | | | | person 0-1
| | | | | | @email [Optional]
| | | | | | @phone [Optional]
| | | | | | @fax [Optional]
| | | | | | street 0-1
| | | | | | city 0-1
| | | | | | subCountry 0-1
| | | | | | country 0-1
| | | | | | postCode 0-1
| | | | | | **geoCoordinates 0-1**
| | | | | | @um [Optional] [Default= DEGD]
| | | | | | @geoReferenceSystem [Optional]
| | | | | | | xGeoCoord 1-1
| | | | | | | yGeoCoord 1-1
| | | | | | | zGeoCoord 0-0
| | | | | | issuerAccreditationInfo 0-1
| | | | | **signatureInformation 0-1**
| | | | | signatureTypeCode 1-1
| | | | | **signatoryParty 0-unbounded**
| | | | | | id 0-1
| | | | | | @numberingOrg [Optional]
| | | | | | legalName 0-1
| | | | | | dept 0-1
| | | | | | subDept 0-1
| | | | | | person 0-1
| | | | | | @email [Optional]
| | | | | | @phone [Optional]
| | | | | | @fax [Optional]
| | | | | | street 0-1
| | | | | | city 0-1
| | | | | | subCountry 0-1
| | | | | | country 0-1
| | | | | | postCode 0-1
| | | | | | **geoCoordinates 0-1**
| | | | | | @um [Optional] [Default= DEGD]

```

| | | | | @geoReferenceSystem [Optional]
| | | | | | xGeoCoord 1-1
| | | | | | yGeoCoord 1-1
| | | | | | zGeoCoord 0-0
| | | | | attachment 0-1
| | | | | | @uid [Optional]
| | | | | | | fileName 0-1
| | | | | | | @numberingOrg [Optional]
| | | | | | | binaryObject 0-1
| | | | | | | @format [Optional]
| | | | | | | @mime [Optional]
| | | | | | | @encoding [Optional]
| | | | | | | @characterSet [Optional]
| | | | | | externalReference 0-99
| | | | | | | uri 1-1
| | | | | | | | @isURL [Optional] [Default= true]
| | | | | | | | mimeTypeCode 0-1
| | | | | | | | formatCode 0-1
| | | | | | | | encodingCode 0-1
| | | | | | | | characterSetCode 0-1
| | | | | | note 0-99
| | | | | | | @numberingOrg [Optional]
| | | | | | | @codeList [Optional]
| | | | | | | @noteLabel [Optional]
| | | | | note 0-9
| | | | | | @numberingOrg [Optional]
| | | | | | @codeList [Optional]
| | | | | | @noteLabel [Optional]

```

- or -

```

| | | | | TRCTransactionEvent 1-1
| | | | | | @progr [Optional]
| | | | | | | eventID 1-1
| | | | | | | | @schemeID [Optional]
| | | | | | | eventActionCode 1-1
| | | | | | | eventDateTime 1-1
| | | | | | | | @dateForm [Required]
| | | | | | | recordDateTime 1-1
| | | | | | | | @dateForm [Optional]
| | | | | | | certificationInfo 0-9
| | | | | | | | @schemeID [Optional]
| | | | | | | businessStepCode 1-1
| | | | | | | | @numberingOrg [Optional]
| | | | | | | | @codeList [Optional]
| | | | | | | | @listName [Optional]
| | | | | | | | @listVersion [Optional]
| | | | | | | manufacturingStep 0-1
| | | | | | | | manufacturingStepID 1-1
| | | | | | | | | @schemeID [Required]
| | | | | | | | | description 0-9
| | | | | | | | | @ln [Optional]
| | | | | | | tradeTransactionList 1-99
| | | | | | | | tradeTransaction 1-99
| | | | | | | | | tradeTransactionID 1-1
| | | | | | | | | | @numberingOrg [Optional]
| | | | | | | | | | @schemeID [Required]
| | | | | | | | | tradeTransactionTypeCode 1-1
| | | | | | | transactionObjects 0-unbounded
| | | | | | | | uniqueProductID 1-1
| | | | | | | | | @schemeID [Required]
| | | | | | | | | objectTypeCode 1-1
| | | | | | | | | qty 0-2
| | | | | | | | | @um [Required]
| | | | | | | | objectInstanceList 1-1
| | | | | | | | | objectInstanceIdentification 1-unbounded
| | | | | | | | | | @objectInstanceTypeCode [Required]
| | | | | | | | | | | objectID 1-9
| | | | | | | | | | | @schemeID [Required]
| | | | | | | eventReadLocation 1-1

```

location 0-1
 @LRI [Optional]
 legalName 0-1
 dept 0-1
 subDept 0-1
 person 0-1
 @email [Optional]
 @phone [Optional]
 @fax [Optional]
 street 0-1
 city 0-1
 subCountry 0-1
 country 0-1
 postCode 0-1
geoCoordinates 0-1
 @um [Optional] [Default= DEGD]
 @geoReferenceSystem [Optional]
 | xGeoCoord 1-1
 | yGeoCoord 1-1
 | zGeoCoord 0-0
eventBusinessLocation 0-1
 location 0-1
 @LRI [Optional]
 legalName 0-1
 dept 0-1
 subDept 0-1
 person 0-1
 @email [Optional]
 @phone [Optional]
 @fax [Optional]
 street 0-1
 city 0-1
 subCountry 0-1
 country 0-1
 postCode 0-1
geoCoordinates 0-1
 @um [Optional] [Default= DEGD]
 @geoReferenceSystem [Optional]
 | xGeoCoord 1-1
 | yGeoCoord 1-1
 | zGeoCoord 0-0
eventSourceParty 1-1
 id 0-1
 @numberingOrg [Optional]
 legalName 0-1
 dept 0-1
 subDept 0-1
 person 0-1
 @email [Optional]
 @phone [Optional]
 @fax [Optional]
 street 0-1
 city 0-1
 subCountry 0-1
 country 0-1
 postCode 0-1
geoCoordinates 0-1
 @um [Optional] [Default= DEGD]
 @geoReferenceSystem [Optional]
 | xGeoCoord 1-1
 | yGeoCoord 1-1
 | zGeoCoord 0-0
 traceabilityPartyRole 0-1
 @numberingOrg [Optional]
 @codeList [Optional] [Default= http://www.ebiz.enea.it/moda-ml/repository/codelist/Draft/gc_TRKR1.xml]
 @listName [Optional]
 @listVersion [Optional]

eventDestinationParty 0-1

id 0-1
@numberingOrg [Optional]
legalName 0-1
dept 0-1
subDept 0-1
person 0-1
@email [Optional]
@phone [Optional]
@fax [Optional]
street 0-1
city 0-1
subCountry 0-1
country 0-1
postCode 0-1
geoCoordinates 0-1
@um [Optional] [Default= DEGD]
@geoReferenceSystem [Optional]
xGeoCoord 1-1
yGeoCoord 1-1
zGeoCoord 0-0
traceabilityPartyRole 1-1
@numberingOrg [Optional]
@codeList [Optional] [Default= http://www.ebiz.enea.it/moda-ml/repository/codelist/Draft/gc_TRKR1.xml]
@listName [Optional]
@listVersion [Optional]

externalRefDoc 0-9

docID 1-1
@numberingOrg [Optional]
docDate 0-1
@dateForm [Optional]
title 0-unbounded
@ln [Optional]
description 0-unbounded
@ln [Optional]
validityStart 0-1
@dateForm [Optional]
validityEnd 0-1
@dateForm [Optional]
documentType 0-1

issuerParty 0-1

id 0-1
@numberingOrg [Optional]
legalName 0-1
dept 0-1
subDept 0-1
person 0-1
@email [Optional]
@phone [Optional]
@fax [Optional]
street 0-1
city 0-1
subCountry 0-1
country 0-1
postCode 0-1
geoCoordinates 0-1
@um [Optional] [Default= DEGD]
@geoReferenceSystem [Optional]
xGeoCoord 1-1
yGeoCoord 1-1
zGeoCoord 0-0
issuerAccreditationInfo 0-1

signatureInformation 0-1

signatureTypeCode 1-1
signatoryParty 0-unbounded
id 0-1
@numberingOrg [Optional]

2.2 Detailed description of document elements

Following tables show all elements (complex and simple) used in this document. Description includes: 1) element's information: xml tag, name, brief description, data type and syntax constraints; 2) information about use of the element in a particular position in the document: xpath and possible associated notes.

2.2.1 Complex elements (Aggregate Business Information Entities)

Complex elements are those elements whose content is composed of other elements (childs).Complex elements are alphabetically ordered.

attachment	an attached document. An attachment can refer to an external document or be included with the document being exchanged
certificate	Reference and details relating to a document containing a certification issued by a third party who is entitled to issue it - base type: ,
certifiedEntity	The entity (organisation, process, product..) for which the certification is valid.
certifiedParty	identification and details of the party to whom the certificate has been issued - base type: Nad,
childComponents	container of one or more instances/lots of components of an objects together with information on their type and quantity (it is corresponding to a single sku, for example the product defined as article-variant-color-size) . - base type: ,
eventBusinessLocation	data relating to a business place related to the event - base type: Nad,
eventDestinationParty	identification and details of the party to whom an event is addressed - base type: Nad,
eventReadLocation	data relating to a place where the event was detected - base type: Nad,
eventSourceParty	identification and details of the party that triggered an event - base type: Nad,
externalRefDoc	external document, used to refer generic office documents (like pdf, docx, xls, for example shop window instructions) - base type: ,
externalReference	details about an external object, such as a document stored at a remote location
geoCoordinates	geographical coordinates
inputComponents	container of one or more instances/lots of input for an objects together with information on their type and quantity (it is corresponding to a single sku, for example the product defined as article-variant-color-size) . - base type: ,
issuerParty	Details of the party that issued the document. - base type: Nad,
manufacturingStep	Describes the action performed that triggered the event. It is a description of a step in the manufacturing process of which the event is a part.
objectInstanceIdentification	Identification of an object instance, it could contain more than one identifier of the same object as long as they refer to different identification schemes
objectInstanceList	list of object instances (it contains the identifiers of each lot or instance managed)
outputObjects	container of one or more instances/lots of an output object together with information on their type and quantity (it is corresponding to a single sku, for example the product defined as article-variant-color-size) . - base type: ,

parentObjects	container of one or more instances/lots of a parent object together with information on their type and quantity (it is corresponding to a single sku, for example the product defined as article-variant-color-size) . - base type: ,
receiverParty	Details of the party receiving the document. - base type: Nad,
refDoc	identification of a document and of an item thereof, to which the message makes reference
senderParty	Details of the party sending the document. - base type: Nad,
signatoryParty	Details of the party that signed the document. - base type: Nad,
signatureInformation	information about the document signature
thirdParty	identification and details of the Third Party, different from Sender and Receiver of the document - base type: Nad,
tracedObjects	container of one or more instances of traced objects of the same type together with information on their type and quantity (it is corresponding to a single sku, for example the product defined as article-variant-color-size) . - base type: ,
tradeTransaction	a trade transaction (associated with a commercial document, such as an order or shipment, exchanged between the parties)
tradeTransactionList	list of trade transactions
transactionObjects	container of one or more instances/lots of objects of transaction event together with information on their type and quantity (it is corresponding to a single sku, for example the product defined as article-variant-color-size) . - base type: ,
TRCAggregationEvent	Information on an event concerning the aggregation/disaggregation of one or more components into one or more new physical or digital objects declared at the item or event level. For example the assembly of a garment or the creation of a lot - base type: ,
TRCEventList	traceability event list. Preferably in chronological order. min length: 1, max length: 9999,
TRCheader	header of the Traceability documents ("Traceability Receiving Advise", "Traceability Dispatching Advise", "Traceability Report", "Transparency and Sustainability Report")
TRCObjectEvent	Information about an event concerning one or more physical or digital objects declared at item or event level. The object identifiers do not change due to this event. Examples are dyeing or dispatching of a product lot. - base type: ,
TRCTransactionEvent	Information on an event that associates / disassociates one or more physical or digital objects declared at the item or event level to a TradeTransaction. For example, a batch of products associated with an order confirmation or an invoice - base type: ,
TRCTransformationEvent	Information about an event regarding the transformation of one or more components to obtain one or more new physical or digital objects declared at the item or event level. For example weaving of yarn to obtain fabric. - base type: ,
TRCTraReplItem	Item of the traceability report, contains data related to one or more objects (Lots or Items) that share the same history (for example clothing lots of the same product in different sizes from same fabric and subcontractor)
TRCTraReportBody	body of the document TEXTILES PURCHASE ORDER

2.2.2 Simple elements (Basic Business Information Entities)

Simple elements are those elements whose content is characterized by a data type plus a domain of possible values. Simple elements are alphabetically ordered.

binaryObject	a binary large object containing an attached document, Coding 'base64Binary' is recommended. - base type: base64Binary,
businessStepCode	It is the code identifying a step in the business process. It is recommended to declare the codeList or at least the numbering organisation - base type: string,
certificateID	Identifier of the certificate assigned by the issuer - base type: string,
certificationInfo	reference to a certificate (URL or identifier according to the schemeID) - base type: string,
certificationStandardName	it indicates the specification that has been used as normative basis of the certificate. (examples: 'GRS—global recycling standard' or 'Standard 100 OEKO-TEX') - base type: string,
@characterSet	the character set of the binary object (examples UTF-8, UTF-16, Windows-1252, ISO-8859-7,..) - base type: normalizedString,
characterSetCode	the character set of an external document (examples UTF-8, UTF-16, Windows-1252, ISO-8859-7,..) - base type: normalizedString,
city	name of the city (town, village) - base type: string, max length: 40,
@codeList	it specifies the URL where the list of codes used to make an instance of the element can be found - base type: string, max length: 255,
country	code of the nation - base type: string, cod. table: T10 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T10.xml
@dateForm	format used for the date - base type: string, cod. table: NT29 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT29.xml
dept	name or code of a department - base type: string, max length: 40,
description	free text description. The content of the element must be unique, it might be translated and repeated into more languages (thus no more than one instance for each language). - base type: string, max length: 250,
docDate	date of issue of the referenced document, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string,
docID	identification number of the referenced document - base type: string, max length: 80,
@docStatusCode	current status of the document - base type: decimal, cod. table: NT313 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT313.xml
@docType	type or class to which the referenced document belongs - base type: string, cod. table: T21 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T21.xml
documentType	type or class to which the document belongs - base type: string, cod. table: T21

	http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T21.xml
@docValidity	document current validity indicator - base type: boolean,
@email	electronic mail address of the contact person within a Party - base type: string, max length: 250,
@encoding	specifies the decoding algorithm of the binary object - base type: normalizedString,
encodingCode	the encoding/decoding algorithm used with the external object (example is 'base64Binary') - base type: normalizedString,
entityID	unique identification number assigned to an entity. - base type: string,
entityTypeCode	code that indicates the type of entity to which we refer - base type: string, cod. table: NT201 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT201.xml
eventActionCode	code that indicates the action performed by the event (for example the elimination or creation of objects; or the simple modification) - base type: string, cod. table: NT204 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT204.xml
eventDateTime	The date or date time value at which this event occurred. Formatted according to the pattern indicated by the dateForm attribute. - base type: string,
eventID	unique identification number assigned to an event. - base type: string,
@exhaustiveInformation	indicates that the provided information is guaranteed as exhaustive (all the information are mentioned – with the only limitations due to the access rights-) or non-exhaustive (the list contains just some elements): value true=exhaustive - base type: boolean,
@fax	fax number of the contact person within a Party - base type: string, max length: 35,
fileName	unique identifier (name) of the file - base type: string, max length: 255,
@format	the format of the binary content (examples xml, pdf, doc,...) - base type: string,
formatCode	the format of the external object (examples xml, pdf, doc,...) - base type: normalizedString,
@geoReferenceSystem	georeference system adopted for the coordinate (in example wgs84 with decimal degree or degree with minute and seconds) - base type: string,
id	primary identification code of a Party; it is recommended the format: nation code (ISO 3166) + VAT identification number (11 crt), with the qualifier "numberingOrg"= MF - base type: string, max length: 15,
issuerAccreditationInfo	accrediting information of the issuer of the document - base type: string,
@isURL	it indicates if the referred element is an URL (true) or not (false) - base type: boolean,
itemID	number of the line/item of the referenced document - base type: string, max length: 40,
legalName	legal name - base type: string, max length: 250,
@limitedByDisclosureIndicator	indicates whether the content has been restricted by the enforcement of accessibility rights (i.e. it may not be complete): true = restricted, false = not restricted

	- base type: boolean,
lineID	unique identifier of the line item of the business document; it is set by the role that produces the document. - base type: string, max length: 30,
lineN	number of the line item of the present message (xml document); it is set by the role that produces the document. Usually it is a progressive number, but not always. - base type: positiveInteger, min inclusive: 1, max inclusive: 9999,
@listName	the name of the list of codes used to make an instance of the element (it might be thought as descriptive element, i.e. 'fabric printing technologies', or not, i.e. "T264") - base type: string, max length: 40,
@listVersion	it specifies the version of the list of codes used to make an instance of the element - base type: string, max length: 6,
@ln	Language code. - base type: string, cod. table: NT60 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT60.xml
location	specification of a location - base type: string, max length: 40,
@LRI	attribute usable to format a string according to a customized User rule (local rule) - base type: string, cod. table: NT3 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT3.xml
manufacturingStepID	identifier of the action performed, it refers to the actions declared in the transparency report as necessary to complete the production process - base type: string,
@mime	the mime type of the binary object - base type: normalizedString,
mimeCode	mime type of the external object - base type: normalizedString,
msgDate	date of issue of the present message (xml document), according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string,
msgID	key identifier of the business document in the information system of the issuing Party. In case of more despatches of the same business document, it is unchanged. - base type: string, max length: 35,
msgN	identification number given to the message (xml document) by its issuer. In case of more despatches of the same business document, it changes. - base type: string, max length: 35,
note	free text or structured (computer processing) note. For note structuring use the attributes "noteLabel" and "codelist" - base type: string, max length: 350,
@noteLabel	subject qualifier of a note - base type: string, max length: 35,
@numberingOrg	code specifying the organisation who has created or owns the coding or numbering system - base type: string, cod. table: NT6 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT6.xml
objectID	Object identifier - base type: string,
@objectInstanceTypeCode	code that identifies the type of object instance - base type: string, cod. table: NT202 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT202.xml
objectTypeCode	code that identifies the type of object - base type: string, cod. table: T302 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T302.xml

person	name of a person (e.g. contact person within an organization) - base type: string, max length: 40,
@phone	phone number of the contact person within a Party - base type: string, max length: 35,
postCode	code defining the postal zone - base type: string, max length: 10,
@primaryItemFlag	indicates that the current item is the primary item of the report. - base type: boolean,
@progr	progressive number in the sequence - base type: positiveInteger, min inclusive: 1,
qty	net quantity of the article or object correlated, qualified by the function of the document (ordering, delivering, ..) and by the context - base type: decimal, min inclusive: 0, fraction digits: 2,
recordDateTime	The date or date time value at which an event was registered. Formatted according to the pattern indicated by the dateForm attribute. - base type: string,
@role	Third Party role qualifier - base type: string, cod. table: NT2 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT2.xml
@schemeID	identifier of an identification scheme - base type: string,
season	sale season; defined as: season (1 crt) + year (4 crt) - season: S/S=1 A/W=2 Spring=3 Summer=4 Autumn=5 Winter=6: for more than four seasons use alphabetic sequence: 1st season=A 2nd season=B etc.etc. - base type: string, max length: 15,
@sender	qualifier that specifies the Party issuing of the document - base type: boolean,
signatureTypeCode	indicator of existing and type of signature - base type: string,
@standardOwner	standard owner is the organisation that owns and manages the standard specifications (for example Textile exchange or OEKO-TEX) - base type: string,
street	street and building number identifying a location - base type: string, max length: 80,
subCountry	short name or code of the sub-country entity - base type: string, max length: 9,
subDept	name or code of a department - base type: string, max length: 40,
sustainabilityCharacteristicText	text that describes a single sustainability characteristic (for example a claim). The content of the element must be unique, it might be translated and repeated into more languages (thus no more than one instance for each language). - base type: string, min length: 1,
title	document title - base type: string,
traceabilityPartyRole	role that the party plays in the process covered by the traceability process. It is recommended the list https://www.ebiz.enea.it/eBIZ/implement/eBIZTCU-Draft.asp?lingua=en&page=6&modo=d&tabe=136&contestosculto=TexWeave&nomenu=2 - base type: string,
tradeTransactionID	identifier of the trade transaction - base type: string,
tradeTransactionTypeCode	code of the type of trade transaction - base type: string, cod. table: T21

	http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T21.xml
@TRCReportFunction	indicates whether the document has the function of REQUEST for recording events in the traceability system OR if it is a REPORT on the events recorded up to now in the traceability system - base type: string, cod. table: NT205 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT205.xml
@uid	unique element identifier within the xml document - base type: string,
@um	specification of the unit of measure - base type: string, cod. table: NT7 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT7.xml
uniqueProductID	Unique product identifier. It identifies the product completely, differentiating any variants, sizes, colors, etc. It should be unique throughout the whole value chain. (It can be the GTIN) - base type: string, max length: 80,
uri	Uniform Resource Identifier (URI) that identifies the external object as an Internet resource - base type: normalizedString,
@useProfile	use profile to which the present document is compliant if it was agreed by the parties. It is suggested a URI with reference to the firms or the URL of the profile. - base type: string,
validityEnd	date by which the validity ends, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string,
validityExtensionDate	end date of validity resulting from extension, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string,
validityStart	date by which the validity starts, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string,
@VAT	VAT rate or code (DEPRECATED, use dtScheme element) - base type: string, cod. table: NT16 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT16.xml
@version	Dictionary version from which the instance has been created - base type: string, cod. table: NT100 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT100.xml
xGeoCoord	geographical coordinate x , corresponding to latitude - base type: decimal,
yGeoCoord	geographical coordinate y , corresponding to longitude - base type: decimal,
zGeoCoord	geographical coordinate z , corresponding to altitude - base type: decimal,

2.3 Suggested best practices

TRCTRAReport/TRCTraReportBody/TRCTraRepltem/

TRCEventList/TRCTransactionEvent/transactionObjects (container of one or more instances/lots of objects of transaction event together with information on their type and quantity (it is corresponding to a single sku, for example the product defined as article-variant-color-size) .)

lots x, y, x associated to the invoice I123

TRCTRAReport/TRCheader/refDoc/docID (identification number of the referenced document)

numberingOrg indicates the role that produced the document identifier (it is allowed to declare two different ones -e.g. customer and supplier - with two docID with different numberingOrg

TRCTRAReport/TRCTraReportBody/TRCTraRepltem/

TRCEventList/TRCTransformationEvent/externalRefDoc/attachment/externalReference/mimeCode (mime type of the external object)

Use coding from IANA <http://www.iana.org/assignments/media-types/media-types.xml>

TRCTRAReport/TRCheader/externalRefDoc/attachment/

externalReference/mimeCode (mime type of the external object)

Use coding from IANA <http://www.iana.org/assignments/media-types/media-types.xml>

TRCTRAReport/TRCTraReportBody/TRCTraRepltem/

TRCEventList/TRCObjectEvent/externalRefDoc/attachment/externalReference/mimeCode (mime type of the external object)

Use coding from IANA <http://www.iana.org/assignments/media-types/media-types.xml>

TRCTRAReport/TRCTraReportBody/TRCTraRepltem/

TRCEventList/TRCAggregationEvent/externalRefDoc/attachment/externalReference/mimeCode (mime type of the external object)

Use coding from IANA <http://www.iana.org/assignments/media-types/media-types.xml>

TRCTRAReport/TRCheader/refDoc/attachment/

externalReference/mimeCode (mime type of the external object)

Use coding from IANA <http://www.iana.org/assignments/media-types/media-types.xml>

TRCTRAReport/TRCTraReportBody/TRCTraRepltem/

TRCEventList/TRCTransactionEvent/externalRefDoc/attachment/externalReference/mimeCode (mime type of the external object)

Use coding from IANA <http://www.iana.org/assignments/media-types/media-types.xml>

TRCTRAReport/TRCheader/certificate/attachment/

externalReference/mimeCode (mime type of the external object)

Use coding from IANA <http://www.iana.org/assignments/media-types/media-types.xml>

2.4 Enumeration tables

List of enumeration tables used in the XML document. You can find all the tables with the corresponding codes at:
<http://www.ebiz.enea.it/eBIZ/imple/eBIZTCU-draft.asp?lingua=en&pag=6>

NT100 - eBIZ TCFUpstream version
NT16 - VAT rate or code
NT2 - third party qualifier
NT201 - entity type
NT202 - Type of the object Instance
NT204 - events' action code
NT205 - Function of the document
NT29 - format of a date
NT3 - data format
NT313 - status of the document
NT6 - coding system owner/issuer
NT60 - language, codes from ISO 639-1 (subset)
NT7 - unit of measure
T10 - ISO3166 - Country
T21 - type of document
T302 - type of object

ACKNOWLEDGEMENT



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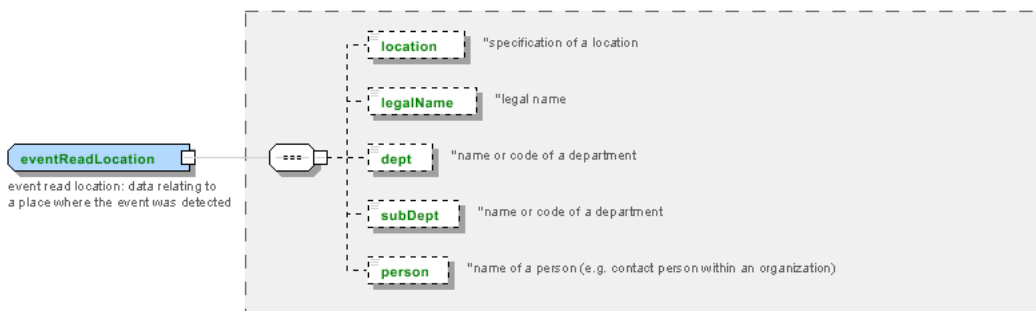
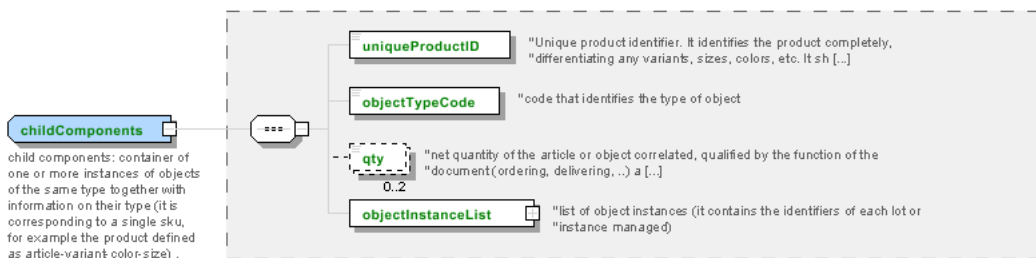
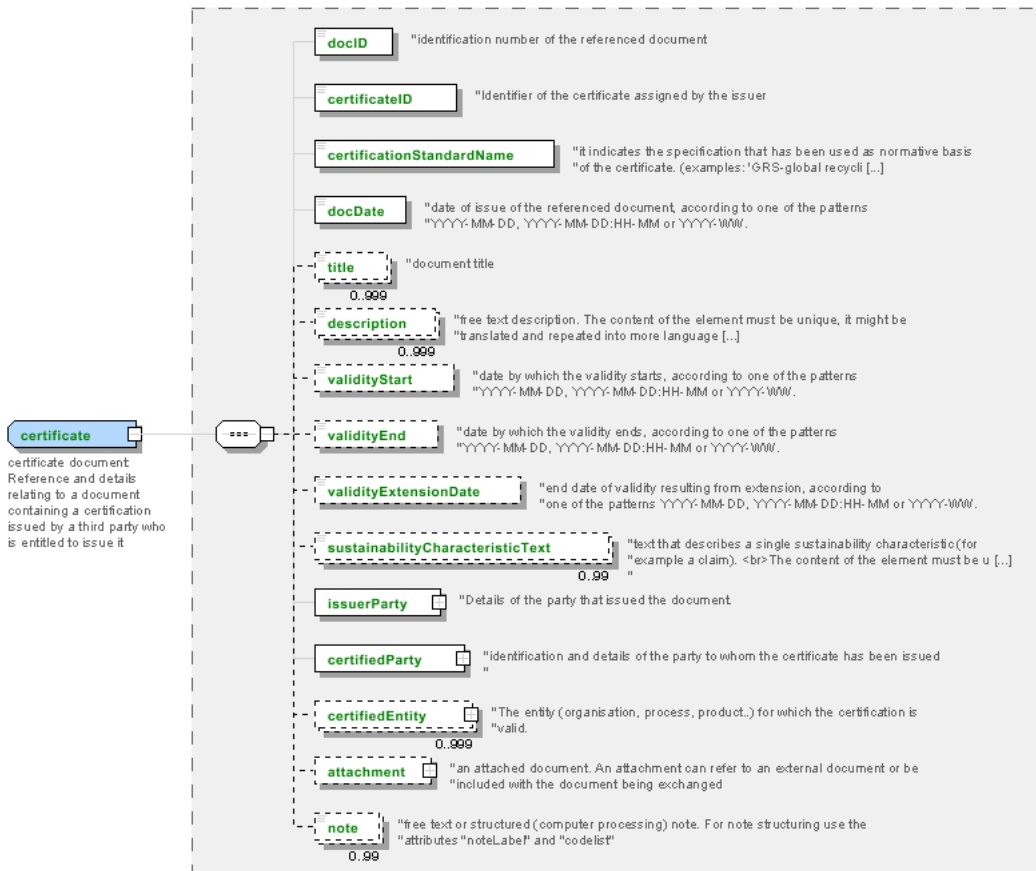
DISCLAIMER

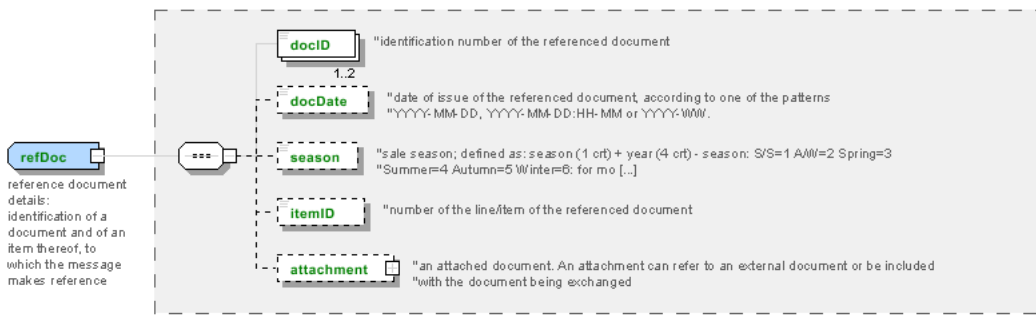
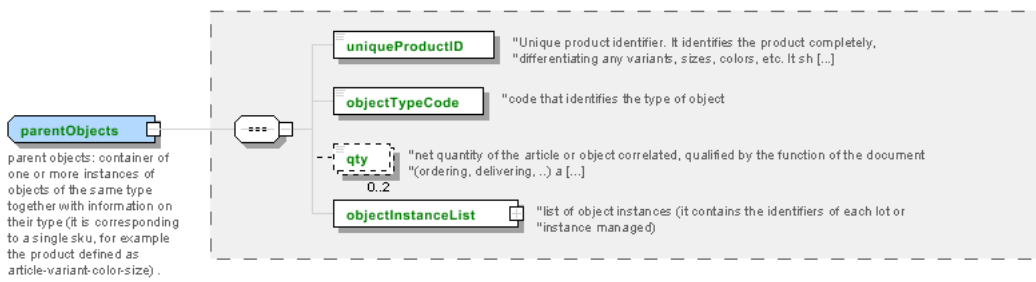
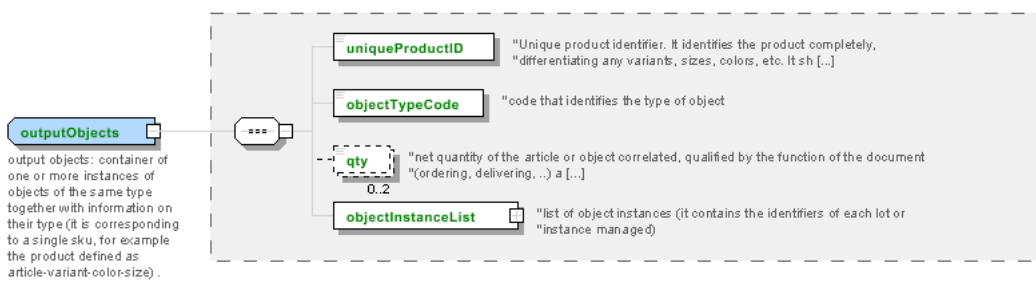
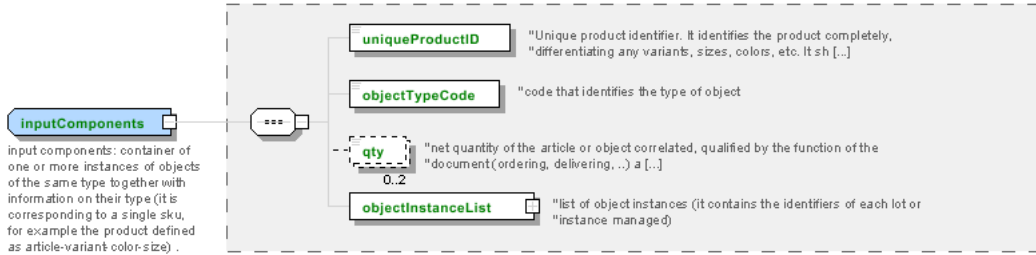
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Annex A

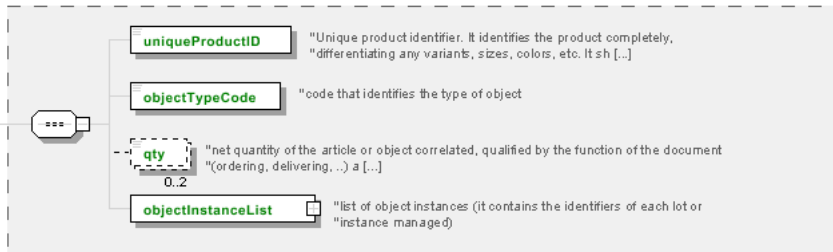
Representative images of the principal complex elements' structure.





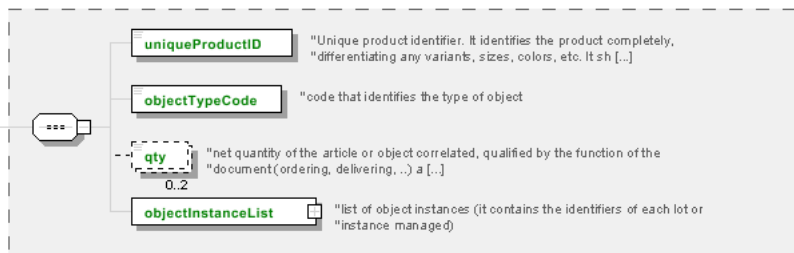
tracedObjects

traced objects: container of one or more instances of objects of the same type together with information on their type (it is corresponding to a single sku, for example the product defined as article-variant-color-size).



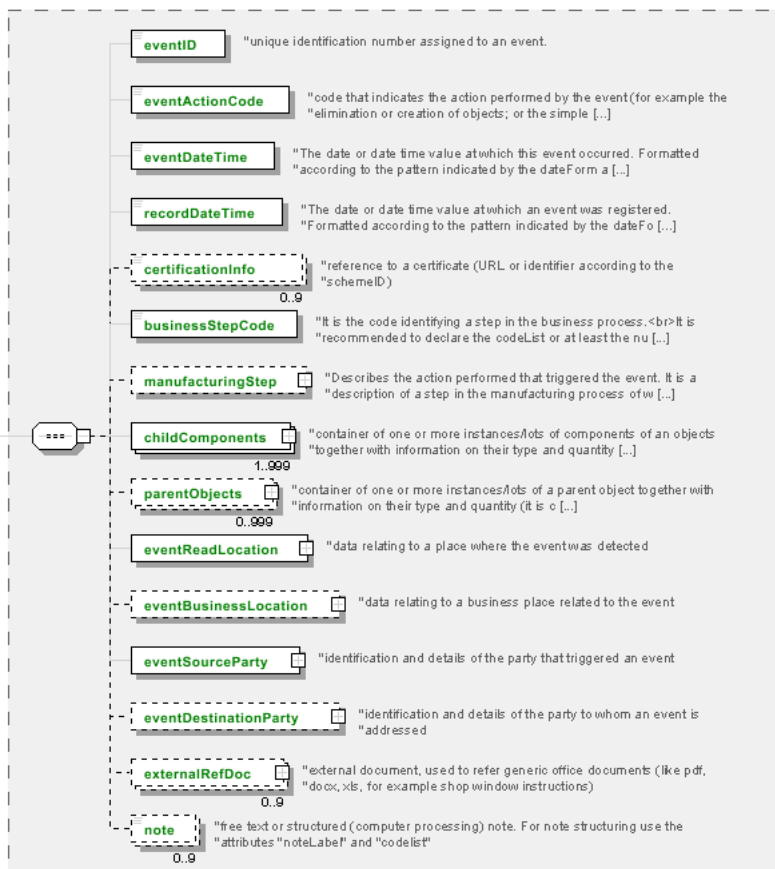
transactionObjects

transaction objects: container of one or more instances of objects of the same type together with information on their type (it is corresponding to a single sku, for example the product defined as article-variant-color-size)



TRCAggregationEvent

TRC aggregation event: information about a generic traceability event



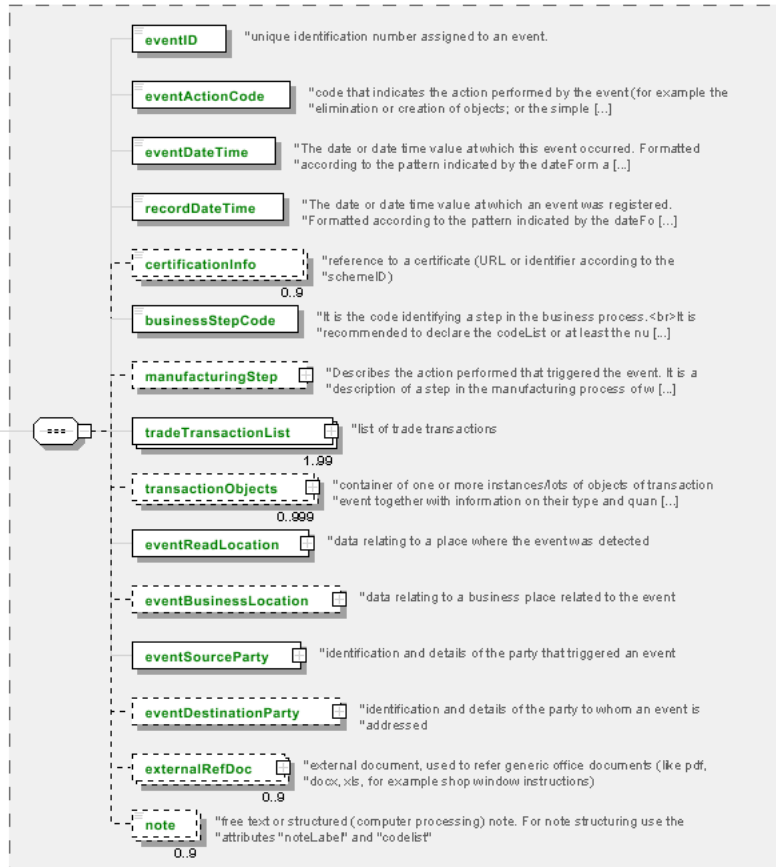
TRCheader
 TRC header: header of the Traceability documents ("Traceability Receiving Advice", "Traceability Dispatching Advice", "Traceability Report", "Transparency and Sustainability Report")



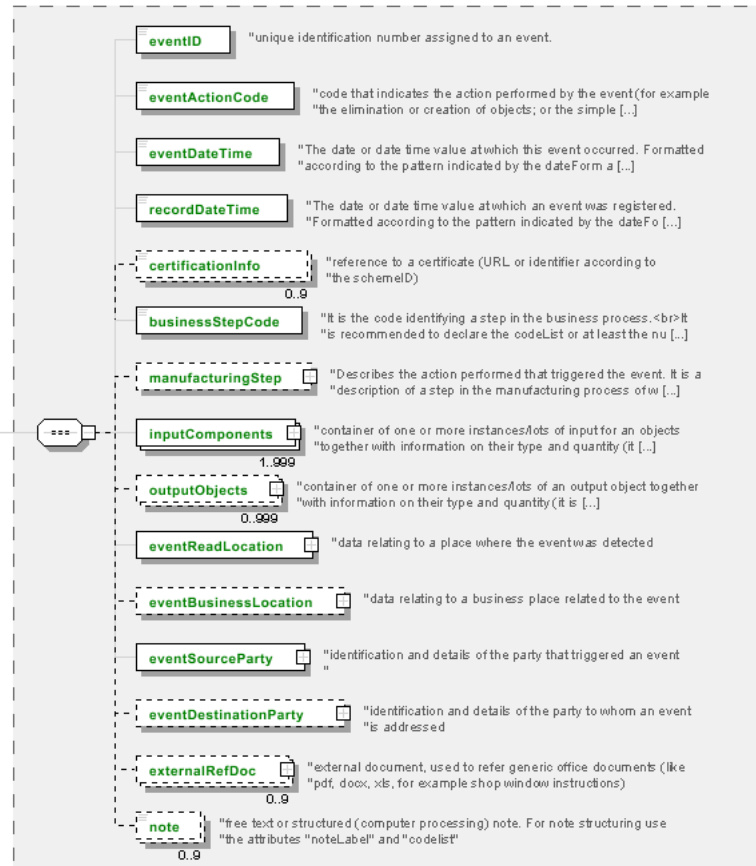
TRCObjectEvent
 TRC object event: information about a generic traceability event



TRCTransactionEvent
 TRC transaction event information about a generic traceability event

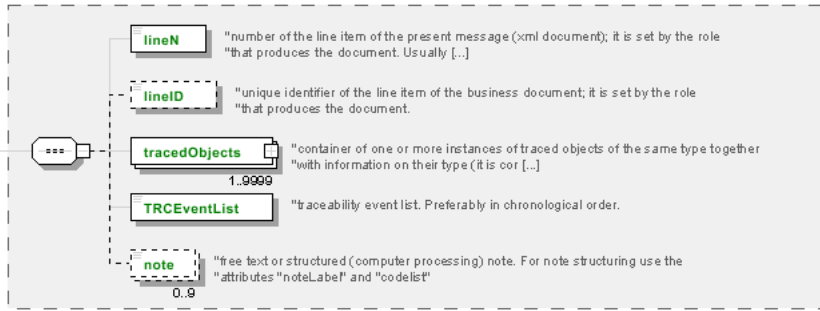


TRCTransformationEvent
 TRC transformation event information about a generic traceability event



TRCTraRepltem

TRC traceability report item: Item of the traceability report, contains data related to one or more objects (Lots or items) that share the same history (for example clothing lots of the same product in different sizes from same fabric and subcontractor)



TRCTRAREport

TRC TRAREport: Traceability Report for one or more lots or items of a good

