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# Extract from IMPLEMENTATION GUIDE TRANSACTION "TRACEABILITY DESPATCHING ADVICE"

Version: draft

Date of release: 10/10/2022 Document code: TRC003e

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: TRC003-TRICK-TraceabilityDespatchingAdvice.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 DESPATCHING ADVISE", 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".

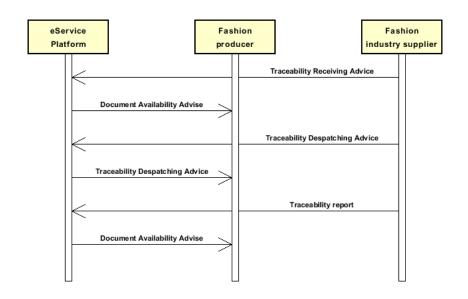
## 1.2 Generalities

The message is issued to record in the traceability system and anticipate to the destination party the information of the shipment of the product (it does not indicate the 'ready to send' condition, for this purpose use a normal despatch Advise); it may contain information such as transaction certificates relating to the goods shipped.

Each line of Traceability Despatch Advice must indicate the product with a unique code and can specify the Order line or other document to which it refers.

### 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 occurrencies); 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

```
TRCDesAdvise
@TAtype [Optional]
@version [Optional] [Default= 2018-1]
@useProfile [Optional]
  | 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]
                    mimeCode 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]
            mimeCode 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
    @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]
            mimeCode 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
              vGeoCoord 1-1
            | zGeoCoord 0-0
     note 0-99
      @numberingOrg [Optional]
      @codeList [Optional]
      @noteLabel [Optional]
| trade 0-1
   - choose -
   | incoTermText 1-1
   - or -
   | incoTerm 1-1
   - end choose -
    | location 0-1
     @LRI [Optional]
 TRCshipInfo 0-1
     businessStepCode 1-1
      @numberingOrg [Optional]
      @codeList [Optional]
      @listName [Optional]
      @listVersion [Optional]
     transInfo 1-9
      @transReason [Optional]
      @progr [Optional]
        transMode 1-1
        | carrier 0-1
      - choose -
        | deliveryLocation 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
 | deliveryPlace 0-1
 - end choose -
   grossWeight 0-1
    @um [Required]
   netWeight 0-1
    @um [Required]
    transMeans 0-1
    @propulsionSystemCode [Optional]
   transCondition 0-3
  | transConditionText 0-1
- choose -
 despatchPlace 0-1
 - or -
  | despatchLocation 0-1
        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
- end choose -
   despatchDate 0-1
    @dateForm [Optional]
    delEffectiveDate 0-1
    @dateForm [Optional]
    routeLength 0-1
    @um [Required]
eventSourceParty 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 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]
eventDateTime 1-1
@dateForm [Required]
actualPackageUnit 0-unbounded
@packageLevel [Optional]
    packageIdentification 1-1
        packageN 1-1
        @numberingOrg [Optional]
        @packageContainerN [Optional]
        serialN 0-9
        @numberingOrg [Optional]
      | @idQualifier [Optional]
 - choose -
 | packageText 0-1
- or -
 | package 0-1
 - end choose -
   packageModelCode 0-1
    @numberingOrg [Optional]
    volume 0-1
    @um [Required]
    netWeight 0-1
    @um [Required]
    grossWeight 0-1
    @um [Required]
    packageDim 0-1
        length 1-1
        @um [Required]
        width 0-1
        @um [Required]
        height 0-1
        @um [Required]
    actualItemsPerPackage 0-1
    packagesList 0-1
        packageldentification 1-unbounded
            packageN 1-1
            @numberingOrg [Optional]
            @packageContainerN [Optional]
            serialN 0-9
            @numberingOrg [Optional]
            @idQualifier [Optional]
```

```
itemsList 0-1
            qualityLevel 0-1
            @numberingOrg [Optional]
            @codeList [Optional]
            @listName [Optional]
            @listVersion [Optional]
            itemIdentification 1-unbounded
                serialN 1-9
                 @numberingOrg [Optional]
                @idQualifier [Optional]
        note 0-99
        @numberingOrg [Optional]
        @codeList [Optional]
        @noteLabel [Optional]
TRCbody 1-1
   TRCitem 1-unbounded
        lineN 1-1
        @VAT [Optional]
        lineID 0-1
        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]
                    mimeCode 0-1
                    formatCode 0-1
                    encodingCode 0-1
                  | characterSetCode 0-1
     - choose
        uniqueProductID 1-2
        @schemeID [Required]
     - or -
      | yarnCode 1-2
        @numberingOrg [Optional] [Default= CL]
            art 1-1
            @numberingOrg [Optional]
            @codeList [Optional]
            @listName [Optional]
            @listVersion [Optional]
            color 0-1
            @numberingOrg [Optional]
            @codeList [Optional]
            @listName [Optional]
            @listVersion [Optional]
            added 0-9
            @numberingOrg [Optional]
            @addType [Optional]
            description 0-unbounded
```

```
| | @In [Optional]
 | texCode 1-2
   @numberingOrg [Optional]
       art 1-1
       @numberingOrg [Optional]
       @codeList [Optional]
       @listName [Optional]
       @listVersion [Optional]
       pattern 0-1
       @numberingOrg [Optional]
       @codeList [Optional]
       @listName [Optional]
       @listVersion [Optional]
       color 0-1
       @numberingOrg [Optional]
       @codeList [Optional]
       @listName [Optional]
       @listVersion [Optional]
       added 0-9
       @numberingOrg [Optional]
       @addType [Optional]
       description 0-unbounded
       @In [Optional]
- or -
 | acsCode 1-2
   @numberingOrg [Optional]
       art 1-1
       @numberingOrg [Optional]
       @codeList [Optional]
       @listName [Optional]
       @listVersion [Optional]
       pattern 0-1
       @numberingOrg [Optional]
       @codeList [Optional]
       @listName [Optional]
       @listVersion [Optional]
       color 0-1
       @numberingOrg [Optional]
       @codeList [Optional]
       @listName [Optional]
       @listVersion [Optional]
       added 0-9
       @numberingOrg [Optional]
       @addType [Optional]
       description 0-unbounded
       @In [Optional]
- or -
   garmentPartCode 1-2
   @numberingOrg [Optional]
       gPart 1-1
       mod 1-1
       @numberingOrg [Optional]
       @codeList [Optional]
       @listName [Optional]
       @listVersion [Optional]
       fabric 0-1
       @numberingOrg [Optional]
       @codeList [Optional]
       @listName [Optional]
       @listVersion [Optional]
       color 0-1
       @numberingOrg [Optional]
       @codeList [Optional]
       @listName [Optional]
       @listVersion [Optional]
       added 0-19
       @numberingOrg [Optional]
```

```
@addType [Optional]
       size 0-1
       @numberingOrg [Optional]
       @codeList [Optional]
       @listName [Optional]
       @listVersion [Optional]
       description 0-unbounded
       @In [Optional]
- or -
 | garmentCode 1-2
 @numberingOrg [Optional]
   - choose -
       garmentCodeB 1-1
       @numberingOrg [Optional]
           mod 1-1
            @numberingOrg [Optional]
            @codeList [Optional]
            @listName [Optional]
            @listVersion [Optional]
           fabric 0-1
            @numberingOrg [Optional]
            @codeList [Optional]
            @listName [Optional]
            @listVersion [Optional]
           color 0-1
            @numberingOrg [Optional]
            @codeList [Optional]
            @listName [Optional]
            @listVersion [Optional]
           garmentVariant 0-9
               variantType 1-1
                @numberingOrg [Optional]
                @codeList [Optional]
                @listName [Optional]
                @listVersion [Optional]
               variantCode 1-1
                @numberingOrg [Optional]
                @codeList [Optional]
                @listName [Optional]
                @listVersion [Optional]
           drop 0-1
            @numberingOrg [Optional]
            @codeList [Optional]
            @listName [Optional]
            @listVersion [Optional]
           size 0-1
            @numberingOrg [Optional]
            @codeList [Optional]
            @listName [Optional]
            @listVersion [Optional]
           artGroup 0-1
            @numberingOrg [Optional]
            @codeList [Optional]
            @listName [Optional]
            @listVersion [Optional]
           added 0-9
            @numberingOrg [Optional]
            @addType [Optional]
           description 0-unbounded
           @In [Optional]
   - or -
       garmentCodeA 1-1
           art 1-1
            @numberingOrg [Optional]
            @codeList [Optional]
            @listName [Optional]
            @listVersion [Optional]
           description 0-unbounded
```

```
| | @In [Optional]
   - end choose -
- end choose -
   phaseCode 0-1
   @numberingOrg [Optional]
   @codeList [Optional]
   @listName [Optional]
   @listVersion [Optional]
   qty 1-2
   @um [Required]
   acceptQty 0-1
   @um [Required]
   qtyVariance 0-9
   @um [Optional]
   @varReason [Optional]
   csRange 0-99
   @numberingOrg [Optional]
   @sizeSystemNat [Optional]
   @sizeSystemSeg [Optional]
   @sizeSystemBase [Optional]
   @sizeSystemID [Optional]
       color 0-1
       @numberingOrg [Optional]
       @codeList [Optional]
       @listName [Optional]
       @listVersion [Optional]
       garmentVariant 0-9
           variantType 1-1
            @numberingOrg [Optional]
            @codeList [Optional]
            @listName [Optional]
            @listVersion [Optional]
           variantCode 1-1
            @numberingOrg [Optional]
            @codeList [Optional]
            @listName [Optional]
            @listVersion [Optional]
       drop 0-1
       @numberingOrg [Optional]
       @codeList [Optional]
       @listName [Optional]
       @listVersion [Optional]
       sizeMatrix 1-1
           sizeRow 1-99
               additionalComponentCode 0-9
                @numberingOrg [Optional]
                @codeList [Optional]
                @listName [Optional]
                @listVersion [Optional]
                drop 0-1
                @numberingOrg [Optional]
                @codeList [Optional]
                @listName [Optional]
                @listVersion [Optional]
                size 1-1
                @numberingOrg [Optional]
                @codeList [Optional]
                @listName [Optional]
                @listVersion [Optional]
               qty 0-1
                @um [Required]
               itemsList 0-1
                   qualityLevel 0-1
                    @numberingOrg [Optional]
                    @codeList [Optional]
                    @listName [Optional]
                    @listVersion [Optional]
                    itemIdentification 1-unbounded
```

| İ | i | @idQualifier [Optional]       |
|---|---|-------------------------------|
|   |   | lotN 0-2                      |
| ĺ | İ | @numberingOrg [Optional]      |
|   |   | packageN 0-unbounded          |
| ĺ | İ | @numberingOrg [Optional]      |
|   |   | @packageContainerN [Optional] |
| İ | İ | note 0-99                     |
| ĺ | İ | @numberingOrg [Optional]      |
| İ | İ | @codeList [Optional]          |
| İ | İ | @noteLabel [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 sintax 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.

| acsCode               | full codification identifying an accessory product usually coupled with garment or other fashion product                                    |
|-----------------------|---|
| actualPackageUnit     | description and identification of a single transport package  |
| attachment            | an attached document. An attachment can refer to an external document or be include d with the document being exchanged                     |
| certificate           | Reference and details relating to a document containing a certification issued by a thir d 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,   |
| csRange               | range of color-size for a fashion article   |
| deliveryLocation      | data relating to a place of delivery - base type: Nad,  |
| despatchLocation      | data relating to a place of despatch - base type: Nad,  |
| eventDestinationParty | identification and details of the party to whom an event is addressed - 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  |
| garmentCode           | codification of the garment product   |
| garmentCodeA          | codification of the garment product- type A   |
| garmentCodeB          | codification of the garment product - type B  |
| garmentPartCode       | codification of the component or part of a fashion article  |
| garmentVariant        | garment product variant   |
| geoCoordinates        | geographical coordinates  |
| issuerParty           | Details of the party that issued the document base type: Nad,   |
| itemIdentification    | serial identification of a product unit   |
| itemsList             | list of the single product units  |
| packageDim            | dimensions of a transport package   |
| packageldentification | serial identification of a package  |

| packagesList         | list of single packages   |
|----------------------|---|
| 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 refer ence  |
| 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  |
| sizeMatrix           | size matrix of an apparel product   |
| sizeRow              | size matrix row of an apparel product   |
| texCode              | full codification of the textile product  |
| thirdParty           | identification and details of the Third Party, different from Sender and Receiver of the document - base type: Nad,   |
| trade                | general terms of trade for the specified supply   |
| transInfo            | details of transport: mode, carrier and delivery place  |
| TRCbody              | body of the documents "Traceability Receiving Advise" and "Traceability Despatching Advise"   |
| TRCheader            | header of the Traceability documents ("Traceability Receiving Advise", "Traceability D espatching Advise", "Traceability Report", "Transparency and Sustainability Report") |
| TRCitem              | line item of the documents "Traceability Receiving Advise" and "Traceability Despatching Advise"  |
| TRCshipInfo          | various information on transport and on transport packages referring to the content of the entire Traceability document   |
| yarnCode             | full codification of a yarn product   |

# 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.

| acceptQty               | net quantity of a product received and accepted by the Receiving Party - base type: decimal, min inclusive: 0, fraction digits: 2,  |
|-------------------------|---|
| actualItemsPerPackage   | the quantity of items actually contained in the package - base type: decimal,   |
| added                   | additional code of the product (complementing the formers) - base type: string, max length: 80,   |
| additionalComponentCode | an additional code to identify a fashion product or a part of it (it is a way to codify the it em, but it is not one of the codes to identify it). It is not a serial identifier.  - base type: string, |
| @addType                | qualifier of the additional coding of a product - base type: string, cod. table: T44 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T44.xml   |
| art                     | article number of the product - base type: string, max length: 80,  |
| artGroup                | code identifying a class of products  |

|                           | has a turn a string and the total  |
|---------------------------|--|
|                           | - base type: string, max length: 40,   |
| 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,   |
| carrier                   | identification of the transport carrier - base type: string, max length: 40,   |
| certificateID             | Identifier of the certificate assigned by the issuer - 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 c an be found - base type: string, max length: 255,   |
| color                     | colour number of the product, when not included in the model or fabric code - base type: string, max length: 15,   |
| 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   |
| delEffectiveDate          | estimated date for actual delivery, which may be different from what is foreseen by the agreements between the parties. Formatted according to one of the patterns indicated by the dateForm attribute: YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW base type: string, |
| deliveryPlace             | place of delivery of goods, ultimate or related to a given leg - base type: string, max length: 250,   |
| 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,  |
| despatchDate              | date of despatch of goods, requested or promised in the purchase process, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW base type: string,  |
| despatchPlace             | place of despatch of goods, origin or related to a given leg - 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,  |
| drop                | drop number of the garment - base type: string, max length: 15,  |
| @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 'base64Bin ary') - 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                       |
| eventDateTime       | The date or date time value at which this event occurred. Formatted according to the p attern indicated by the dateForm attribute base type: string,   |
| fabric              | fabric number of the garment - base type: string, max length: 15,  |
| @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 o degree with minute and seconds) - base type: string,  |
| gPart               | code specifying the type of component or part of a fashion product (sleeve, neck,) - base type: string, cod. table: T48 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T48.xml |
| grossWeight         | the gross weight, declared for transport or customs purpose - base type: decimal, min inclusive: 0, fraction digits: 2,  |
| height              | effective height of a specified object - base type: decimal, min inclusive: 0, fraction digits: 2,   |
| 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,  |
|-------------------------|---|
| @idQualifier            | Qualification of the identifier base type: string,  |
| incoTerm                | specification of the terms of trade (INCOTERMS) - base type: string, cod. table: T3 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T3.xml   |
| incoTermText            | free text specifying the terms of trade (incoterm, location) - base type: string, max length: 250,  |
| 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,  |
| length                  | effective length of a specified object - base type: decimal, min inclusive: 0, fraction digits: 2,  |
| lineID                  | unique identifier of the line item of the business document; it is set by the role that prod uces 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 tha t 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 migth be thou ght as descriptive element, i.e. 'fabric printing technologies', or not, i.e. "T264") - base type: string, max length: 40,                      |
| @listVersion            | it specifie the version of the list of codes used to make an instance of the element - base type: string, max length: 6,  |
| @In                     | 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,  |
| lotN                    | lot number of a product or batch number of the raw material - base type: string, max length: 15,  |
| @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  |
| @mime                   | the mime type of the binary object - base type: normalizedString,   |
| mimeCode                | mime type of the external object - base type: normalizedString,   |
| mod                     | model number of the garment - base type: string, max length: 15,  |
| 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 mo re despatches of the same business document, it changes base type: string, max length: 35,                  |
|-----------------------|--|
| netWeight             | the net weight declared for transport or customs purpose - base type: decimal, min inclusive: 0, fraction digits: 2,   |
| note                  | free text or structured (computer processing) note. For note structuring use the attribut es "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 sy stem - base type: string, cod. table: NT6 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT6.xml |
| package               | code specifying the type of transport package - base type: string, cod. table: T11 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T11.xml  |
| @packageContainerN    | reference usable to indicate the outer package containing this package - base type: string, max length: 40,  |
| @packageLevel         | level used to indicate the hierarchical structure of the packages (from outer to inner lev els) - base type: positiveInteger, min inclusive: 1, max inclusive: 9,                                  |
| packageModelCode      | a code (eg a barcode) identifing the type of packaging - base type: string,  |
| packageN              | serial number used to identify a transport package - base type: string, max length: 40,  |
| packageText           | denomination of the type of transport package (text) - base type: string, max length: 80,  |
| pattern               | pattern/design number of the product, when not included in the article code - base type: string, max length: 15,   |
| person                | name of a person (e.g. contact person within an organization) - base type: string, max length: 40,   |
| phaseCode             | Code that identifies a production phase of a fashion product base type: string,  |
| @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,   |
| @progr                | progressive number in the sequence - base type: positiveInteger, min inclusive: 1,   |
| @propulsionSystemCode | propulsion system type - base type: string, cod. table: NT324 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT324.xml   |
| 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, |
| qtyVariance           | difference between two quantities qualified by the context (e.g.: delivered vs. ordered; received vs. despatched etc)  |
|                       | - base type: decimal, fraction digits: 2,  |
| qualityLevel          | - base type: decimal, fraction digits: 2,  the product quality level (first choice, second choice,) base type: string,   |

|                                  | - base type: string, cod. table: NT2<br>http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT2.xml  |
|----------------------------------|---|
| routeLength                      | length of a route - base type: decimal, min inclusive: 0, fraction digits: 2,   |
| @schemeID                        | identifier of an identification scheme - base type: string,   |
| season                           | sale season; defined as: season (1 crt) + year (4 crt) - season: S/S=1 AW=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,  |
| serialN                          | serial number used for the identification of a physical unit - base type: string, max length: 250,  |
| signatureTypeCode                | indicator of existing and type of signature - base type: string,  |
| size                             | size number of a fashion product (knitwear, clothing,) - base type: string, max length: 15,   |
| @sizeSystemBase                  | base of the size system - base type: string, cod. table: T423 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T423.xml   |
| @sizeSystemID                    | the identifier of the size system base type: string,  |
| @sizeSystemNat                   | nation or agency identifying the size system - base type: string, cod. table: T421 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T421.xml  |
| @sizeSystemSeg                   | market segment identifying the size system - base type: string, cod. table: T422 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T422.xml  |
| @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 cont ent of the element must be unique, it might be translated and repeated into more langu ages (thus no more than one instance for each language) base type: string, min length: 1, |
| @TAtype                          | type of Despatch advise - base type: string, cod. table: NT10 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT10.xml   |
| 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/imple/eBIZTCU-Draft.asp?lingua=en&pag=6&modo=d&tabe=136&contestoscelto=TexWeave&nomenu=2-base type: string,                          |
| transCondition                   | special condition of transport or special service requested to the Forwarder - base type: string, cod. table: T38   |

|                       | http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T38.xml  |
|-----------------------|---|
| transConditionText    | free text description of the special condition of transport or special service requested to the Forwarder - base type: string, max length: 250,   |
| transMeans            | means of transport, in general or referred to a specific leg - base type: string, cod. table: T40 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T40.xml  |
| transMode             | way of transport, in general or referred to the specified leg - base type: string, cod. table: T8 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T8.xml   |
| @transReason          | reason for the transport - base type: string, cod. table: NT11 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT11.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 variant s, 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 if 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-M M-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, YYY Y-MM-DD:HH-MM or YYYY-WW base type: string,   |
| variantCode           | Code of variant used for fashion product base type: string,   |
| variantType           | Type of variant used for fashion product (examples: 'treatment', 'washing type', 'size cl ass',) - base type: string,   |
| @varReason            | reason for the difference between the two quantities specified by the context - base type: string, cod. table: T46 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T46.xml   |
| @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   |
| volume                | effective volume of a specified object - base type: decimal, min inclusive: 0, fraction digits: 2,  |
| width                 | effective width of a specified object   |

|           | - base type: decimal, min inclusive: 0, fraction digits: 2,                  |
|-----------|--|
| 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

#### TRCDesAdvise/TRCbody/TRCitem/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. c ustomer and supplier - with two docID with different numberingOrg

#### TRCDesAdvise/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. c ustomer and supplier - with two docID with different numberingOrg

#### TRCDesAdvise/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

#### TRCDesAdvise/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

#### TRCDesAdvise/TRCbody/TRCitem/refDoc/attachment/

externalReference/mimeCode (mime type of the external object)

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

#### TRCDesAdvise/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

#### TRCDesAdvise/TRCbody/TRCitem/csRange/sizeMatrix/

sizeRow/itemsList/itemIdentification/serialN (serial number used for the identification of a physical unit)

in the case of garment with RFID for anti-counterfeiting, RFID EPCGlobal for logistics and NFC for the customer experi ence there should be three serial elements with pairs of attributes numberingOrg/idQualifier: "CL"/"RFID", "GS1"/"RFID ", "CL"/"NFC".

## TRCDesAdvise/TRCshipInfo/actualPackageUnit/

itemsList/itemIdentification/serialN (serial number used for the identification of a physical unit)

in the case of garment with RFID for anti-counterfeiting, RFID EPCGlobal for logistics and NFC for the customer experi ence there should be three serial elements with pairs of attributes numberingOrg/idQualifier: "CL"/"RFID", "GS1"/"RFID ", "CL"/"NFC".

## 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

NT10 - Despatch Advise type

NT100 - eBIZ TCFUpstream version

NT11 - transport causal

NT16 - VAT rate or code

NT2 - third party qualifier

NT201 - entity type

NT29 - format of a date

NT3 - data format

NT313 - status of the document

NT324 - propulsion system type

NT6 - coding system owner/issuer

NT60 - language, codes from ISO 639-1 (subset)

NT7 - unit of measure

T10 - ISO3166 - Country

T11 - transport package type

T21 - type of document

T3 - terms of delivery - IncoTerms

T38 - transport conditions

T40 - type of transport means

T421 - size system: nationality

T422 - size system: market segment

T423 - size system: base

T44 - additional code type

T46 - quantity variance reason

T48 - garment part type

T8 - Modes of Transport

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## Annex A

Representative images of the principal complex elements' structure.

