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IMPLEMENTATION GUIDE
TRANSACTION "TEXTILE COLLECTION FORECAST"

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1. BUSINESS DESCRIPTION

1.1 Scope

The present guide has been issued to assist the companies of the Textile-Clothing sector in the implementation of the standard XML document type "Textile COLLECTION FORECAST", providing all the instruction required for its use in any context of e-commerce between Apparel Producers and Fabric Producers.

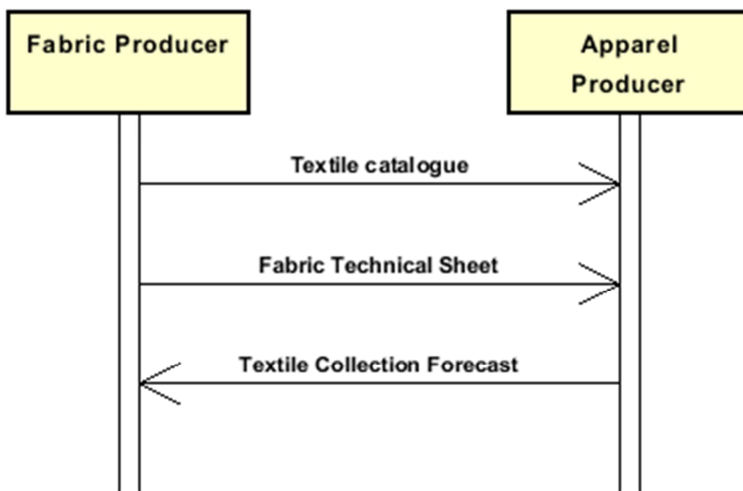
All the rules required for the construction and validation of the document are embedded into the specific XML-Schema, which is detailed in section "Implementation guide".

1.2 Generalities

The document "Textile Collection Forecast" is used to notify to the Fabric Producer the articles of his Offer that are considered for future acquisition or use in the Season Collection. The same document can also be used by the Client to request the Fabric Technical Sheet and/or notify his article code to the Producer. Each article notified must be identified at SKU level by the Supplier's code. An estimated quantity can be supplied only for information.

In some business scenarios this message may be used to notify the Textile Controller about the fabric articles he will inspect in the season

1.3. Possible scenario



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

TEXCollection

@TNtype [Required]

@msgfunction [Optional] [Default= OR]

TNheader 1-1

msgN 1-1

- choose -

msgID 0-1

- or -

docID 0-1

@numberingOrg [Optional]

- end choose -

msgDate 1-1

@dateForm [Optional]

season 0-1

refDoc 0-1

@docType [Required]

docID 1-2

@numberingOrg [Optional]

docDate 0-1

@dateForm [Optional]

season 0-1

itemID 0-1

buyer 1-1

@logo [Optional]

@sender [Optional]

id 1-1

@numberingOrg [Optional]

legalName 0-1

dept 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

supplier 1-1

@logo [Optional]

@sender [Optional]

id 1-1
@numberingOrg [Optional]
legalName 0-1
dept 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

thirdParty 0-1

@VAT [Optional]
@role [Required]
@sender [Optional]
id 1-1
@numberingOrg [Optional]
legalName 0-1
dept 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

note 0-5
@numberingOrg [Optional]
@codeList [Optional]
@noteLabel [Optional]

TNbody 1-1

TNitem 1-unbounded

@techSheet [Optional]
lineN 1-1
@VAT [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
@addType [Optional]
description 0-1
qty 0-1

@um [Required]
season 0-1
fabricCompos 0-1
 percCompos 1-9
 @fibre [Required]
fabricWeightM 0-1
@um [Optional] [Default= GRM]
fabricWidth 0-1
@um [Optional] [Default= CMT]

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.

buyer	details of the Buyer - base type: , (XPath: TEXCollection/TNheader/buyer) 1-1
fabricCompos	composition of the fabric according to the Directory 97/37/CE (XPath: TEXCollection/TNbody/TNitem/fabricCompos) 0-1
refDoc	identification of a document and of an item thereof, to which the message makes reference (XPath: TEXCollection/TNheader/refDoc) 0-1 - note: <i>here the referenced price catalogue can be specified</i>
supplier	details of the Supplier - base type: , (XPath: TEXCollection/TNheader/supplier) 1-1
texCode	full codification of the textile product (XPath: TEXCollection/TNbody/TNitem/texCode) 1-2 - note: <i>the article must be identified with the supplier's code; the buyer's code can be added</i>
thirdParty	details of the Third Party, different from Buyer or Supplier - base type: , (XPath: TEXCollection/TNheader/thirdParty) 0-1
TNbody	body of the document TEXTILES COLLECTION FORECAST (XPath: TEXCollection/TNbody) 1-1
TNheader	header of the document TEXTILES COLLECTION FORECAST (XPath: TEXCollection/TNheader) 1-1
TNitem	line item of the document TEXTILES COLLECTION FORECAST (XPath: TEXCollection/TNbody/TNitem) 1-unbounded

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.

added	additional code of the product (complementing the formers) - base type: string, max length: 15, (XPath: TEXCollection/TNbody/TNitem/texCode/added) 0-9 - note: <i>here an additional codification (see table T44) can be specified</i>
@addType	qualifier of the additional coding of a product - base type: string, cod. table: T44, (XPath: TEXCollection/TNbody/TNitem/texCode/added/@addType) [Optional]
art	article number of the product

	<ul style="list-style-type: none"> - base type: string, max length: 25, (XPath: <code>TEXCollection/TNbody/TNitem/texCode/art</code>) 1-1 - note: <i>can be used either for the base-article (excluding pattern/colour) or for the SKU</i>
city	<ul style="list-style-type: none"> name of the city (town, village) - base type: string, max length: 40, (XPath: <code>TEXCollection/TNheader/supplier/city</code>) 0-1 (XPath: <code>TEXCollection/TNheader/buyer/city</code>) 0-1 (XPath: <code>TEXCollection/TNheader/thirdParty/city</code>) 0-1
@codeList	<ul style="list-style-type: none"> 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, (XPath: <code>TEXCollection/TNbody/TNitem/texCode/art/@codeList</code>) [Optional] - nota: <i>this attribute should be ALTERNATIVE to the others</i> (XPath: <code>TEXCollection/TNbody/TNitem/texCode/color/@codeList</code>) [Optional] - nota: <i>this attribute should be ALTERNATIVE to the others</i> (XPath: <code>TEXCollection/TNbody/TNitem/texCode/pattern/@codeList</code>) [Optional] - nota: <i>this attribute should be ALTERNATIVE to the others</i> (XPath: <code>TEXCollection/TNheader/note/@codeList</code>) [Optional] - nota: <i>must be used to provide (URL) the list of codes used in "noteLabel"</i>
color	<ul style="list-style-type: none"> colour number of the product, when not included in the model or fabric code - base type: string, max length: 15, (XPath: <code>TEXCollection/TNbody/TNitem/texCode/color</code>) 0-1
country	<ul style="list-style-type: none"> code of the nation - base type: string, cod. table: T10, (XPath: <code>TEXCollection/TNheader/thirdParty/country</code>) 0-1 (XPath: <code>TEXCollection/TNheader/supplier/country</code>) 0-1 (XPath: <code>TEXCollection/TNheader/buyer/country</code>) 0-1
@dateForm	<ul style="list-style-type: none"> format used for a date - base type: string, cod. table: NT29, (XPath: <code>TEXCollection/TNheader/msgDate/@dateForm</code>) [Optional] (XPath: <code>TEXCollection/TNheader/refDoc/docDate/@dateForm</code>) [Optional]
dept	<ul style="list-style-type: none"> name or code of a contact department within a Party - base type: string, max length: 40, (XPath: <code>TEXCollection/TNheader/supplier/dept</code>) 0-1 (XPath: <code>TEXCollection/TNheader/thirdParty/dept</code>) 0-1 (XPath: <code>TEXCollection/TNheader/buyer/dept</code>) 0-1
description	<ul style="list-style-type: none"> free text description of a product - base type: string, max length: 70, (XPath: <code>TEXCollection/TNbody/TNitem/texCode/description</code>) 0-1
docDate	<ul style="list-style-type: none"> 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, (XPath: <code>TEXCollection/TNheader/refDoc/docDate</code>) 0-1
docID	<ul style="list-style-type: none"> identification number of the referenced document SINCE 2008-1 ITS USE IN THE HEADER IS DISCOURAGED (REPLACED BY) - base type: string, max length: 35, (XPath: <code>TEXCollection/TNheader/refDoc/docID</code>) 1-2 (XPath: <code>TEXCollection/TNheader/docID</code>) 0-1
@docType	<ul style="list-style-type: none"> type or class to which the referenced document belongs - base type: string, cod. table: T21, (XPath: <code>TEXCollection/TNheader/refDoc/@docType</code>) [Required]
@email	<ul style="list-style-type: none"> electronic mail address of the contact person within a Party - base type: string, max length: 80, (XPath: <code>TEXCollection/TNheader/buyer/person/@email</code>) [Optional] (XPath: <code>TEXCollection/TNheader/thirdParty/person/@email</code>) [Optional]

	(XPath: TEXCollection/TNheader/supplier/person/@email) [Optional]
fabricWeightM	weight per metre of the fabric as technical specification - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXCollection/TNbody/TNitem/fabricWeightM) 0-1
fabricWidth	width of the fabric as technical specification - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXCollection/TNbody/TNitem/fabricWidth) 0-1
@fax	fax number of the contact person within a Party - base type: string, max length: 35, (XPath: TEXCollection/TNheader/supplier/person/@fax) [Optional] (XPath: TEXCollection/TNheader/buyer/person/@fax) [Optional] (XPath: TEXCollection/TNheader/thirdParty/person/@fax) [Optional]
@fibre	type of fibre used in a textile product - base type: string, cod. table: T19, (XPath: TEXCollection/TNbody/TNitem/fabricCompos/percCompos/@fibre) [Required]
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, (XPath: TEXCollection/TNheader/thirdParty/id) 1-1 (XPath: TEXCollection/TNheader/buyer/id) 1-1 (XPath: TEXCollection/TNheader/supplier/id) 1-1
itemID	number of the line/item of the referenced document - base type: string, max length: 6, (XPath: TEXCollection/TNheader/refDoc/itemID) 0-1
legalName	legal name of a Party - base type: string, max length: 80, (XPath: TEXCollection/TNheader/thirdParty/legalName) 0-1 (XPath: TEXCollection/TNheader/buyer/legalName) 0-1 (XPath: TEXCollection/TNheader/supplier/legalName) 0-1
lineN	number of the line item of the present message (xml document) - base type: positiveInteger, min inclusive: 1, max inclusive: 9999, (XPath: TEXCollection/TNbody/TNitem/lineN) 1-1
@listName	it specifies the name of the list of codes used to make an instance of the element - base type: string, max length: 40, (XPath: TEXCollection/TNbody/TNitem/texCode/art/@listName) [Optional] - nota: <i>this attribute should always be used coupled with "numberingOrg"</i> (XPath: TEXCollection/TNbody/TNitem/texCode/pattern/@listName) [Optional] - nota: <i>this attribute should always be used coupled with "numberingOrg"</i> (XPath: TEXCollection/TNbody/TNitem/texCode/color/@listName) [Optional] - nota: <i>this attribute should always be used coupled with "numberingOrg"</i>
@listVersion	it specifies the version of the list of codes used to make an instance of the element - base type: string, max length: 6, (XPath: TEXCollection/TNbody/TNitem/texCode/art/@listVersion) [Optional] - nota: <i>this attribute should always be used coupled with "numberingOrg" and "listName"</i> (XPath: TEXCollection/TNbody/TNitem/texCode/pattern/@listVersion) [Optional] - nota: <i>this attribute should always be used coupled with "numberingOrg" and "listName"</i> (XPath: TEXCollection/TNbody/TNitem/texCode/color/@listVersion) [Optional] - nota: <i>this attribute should always be used coupled with "numberingOrg" and "listName"</i>

@logo	company logo (URL of the image jpeg or gif). It is recommended that the width of the image does not exceed 640 pixel. - base type: string, max length: 255, (XPath: TEXCollection/TNheader/buyer/@logo) [Optional] (XPath: TEXCollection/TNheader/supplier/@logo) [Optional]
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, (XPath: TEXCollection/TNheader/msgDate) 1-1
@msgfunction	function performed by the present message with regards to the transmission - base type: string, cod. table: NT18, (XPath: TEXCollection/@msgfunction) [Optional] [Default= OR]
msgID	key identifier of the document in the information system of the issuing Party - base type: string, max length: 35, (XPath: TEXCollection/TNheader/msgID) 0-1
msgN	identification number given to the message (xml document) by its issuer - base type: string, max length: 35, (XPath: TEXCollection/TNheader/msgN) 1-1
note	free text or structured (computer processing) note. For note structuring use the attributes "noteLabel" and "codelist" - base type: string, max length: 350, (XPath: TEXCollection/TNheader/note) 0-5
@noteLabel	subject qualifier of a note - base type: string, max length: 35, (XPath: TEXCollection/TNheader/note/@noteLabel) [Optional] - nota: <i>must be used to qualify the subject of the note</i>
@numberingOrg	code specifying the organisation who has created or owns the coding or numbering system - base type: string, cod. table: NT6, (XPath: TEXCollection/TNheader/thirdParty/id/@numberingOrg) [Optional] (XPath: TEXCollection/TNbody/TNitem/texCode/color/@numberingOrg) [Optional] - nota: <i>this attribute should be used either single or coupled with "listName" and "listVersion"</i> (XPath: TEXCollection/TNbody/TNitem/texCode/@numberingOrg) [Optional] (XPath: TEXCollection/TNbody/TNitem/texCode/pattern/@numberingOrg) [Optional] - nota: <i>this attribute should be used either single or coupled with "listName" and "listVersion"</i> (XPath: TEXCollection/TNheader/docID/@numberingOrg) [Optional] - nota: <i>here can be specified whose document numbering is used (e.g.: Client, Supplier, ..)</i> (XPath: TEXCollection/TNheader/refDoc/docID/@numberingOrg) [Optional] - nota: <i>here can be specified whose document numbering is used (e.g.: Client, Supplier, ..)</i> (XPath: TEXCollection/TNheader/supplier/id/@numberingOrg) [Optional] (XPath: TEXCollection/TNbody/TNitem/texCode/art/@numberingOrg) [Optional] - nota: <i>this attribute should be used either single or coupled with "listName" and "listVersion"</i> (XPath: TEXCollection/TNheader/note/@numberingOrg) [Optional] (XPath: TEXCollection/TNheader/buyer/id/@numberingOrg) [Optional]
pattern	pattern/design number of the product, when not included in the article code - base type: string, max length: 15, (XPath: TEXCollection/TNbody/TNitem/texCode/pattern) 0-1
percCompos	fiber rate in the product composition - base type: decimal, min inclusive: 0, max inclusive: 100, fraction digits: 2, (XPath: TEXCollection/TNbody/TNitem/fabricCompos/percCompos) 1-9
person	name of the contact person within a Party

	<p>- base type: string, max length: 40, (XPath: TEXCollection/TNheader/thirdParty/person) 0-1 (XPath: TEXCollection/TNheader/supplier/person) 0-1 (XPath: TEXCollection/TNheader/buyer/person) 0-1</p>
@phone	<p>phone number of the contact person within a Party - base type: string, max length: 35, (XPath: TEXCollection/TNheader/buyer/person/@phone) [Optional] (XPath: TEXCollection/TNheader/supplier/person/@phone) [Optional] (XPath: TEXCollection/TNheader/thirdParty/person/@phone) [Optional]</p>
postCode	<p>code defining the postal zone - base type: string, max length: 10, (XPath: TEXCollection/TNheader/thirdParty/postCode) 0-1 (XPath: TEXCollection/TNheader/buyer/postCode) 0-1 (XPath: TEXCollection/TNheader/supplier/postCode) 0-1</p>
qty	<p>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, (XPath: TEXCollection/TNbody/TNitem/qty) 0-1 - note: <i>here is always an estimated quantity; only the order will report a reliable value</i></p>
@role	<p>Third Party role qualifier - base type: string, cod. table: NT2, (XPath: TEXCollection/TNheader/thirdParty/@role) [Required]</p>
season	<p>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, (XPath: TEXCollection/TNheader/season) 0-1 (XPath: TEXCollection/TNheader/refDoc/season) 0-1 - note: <i>here indicates the season to which the referenced document belongs</i> (XPath: TEXCollection/TNbody/TNitem/season) 0-1</p>
@sender	<p>qualifier that specifies the Party issuing of the document - base type: boolean, (XPath: TEXCollection/TNheader/supplier/@sender) [Optional] - nota: <i>This attribute is mandatory when the STYLESHEET must be produced</i> (XPath: TEXCollection/TNheader/thirdParty/@sender) [Optional] - nota: <i>This attribute is mandatory when the STYLESHEET must be produced</i> (XPath: TEXCollection/TNheader/buyer/@sender) [Optional] - nota: <i>This attribute is mandatory when the STYLESHEET must be produced</i></p>
street	<p>street and building number identifying a location - base type: string, max length: 80, (XPath: TEXCollection/TNheader/supplier/street) 0-1 (XPath: TEXCollection/TNheader/buyer/street) 0-1 (XPath: TEXCollection/TNheader/thirdParty/street) 0-1</p>
subCountry	<p>short name or code of the sub-country entity - base type: string, max length: 9, (XPath: TEXCollection/TNheader/buyer/subCountry) 0-1 (XPath: TEXCollection/TNheader/thirdParty/subCountry) 0-1 (XPath: TEXCollection/TNheader/supplier/subCountry) 0-1</p>
@techSheet	<p>specifies if the " technical characteristics of fabric" document must provided - base type: boolean, (XPath: TEXCollection/TNbody/TNitem/@techSheet) [Optional]</p>
@TNtype	<p>type of Textiles Collection Forecast</p>

	- base type: string, cod. table: NT17, (XPath: TEXCollection/@TNtype) [Required]
@um	specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXCollection/TNbody/TNitem/fabricWidth/@um) [Optional] [Default= CMT] (XPath: TEXCollection/TNbody/TNitem/fabricWeightM/@um) [Optional] [Default= GRM] (XPath: TEXCollection/TNbody/TNitem/qty/@um) [Required]
@VAT	VAT rate or code - base type: string, cod. table: NT16, (XPath: TEXCollection/TNbody/TNitem/lineN/@VAT) [Optional] (XPath: TEXCollection/TNheader/thirdParty/@VAT) [Optional]

2.3 Enumeration tables

List of enumeration tables used in the XML document. You can find the corresponding codes (only for tables with less than 100 values) in the document `Decoding_Values.pdf`, available at: <http://www.moda-ml.org/moda-ml/repository/guide/v2011-1/>; moreover, all the enumeration tables are available at: <http://www.moda-ml.org/imple/show-codes.asp>.

NT16 - VAT rate or code
NT17 - Textiles Collection status
NT18 - message function
NT2 - Third party qualifier
NT29 - format of a date
NT6 - Coding system owner/issuer
NT7 - Unity of measure
T10 - ISO3166 - Country
T19 - fibre type
T21 - type of document
T44 - additional code type

Annex A

Representative images of the principal complex elements' structure.

