



MODA - ML

(www.moda-ml.org)

IMPLEMENTATION GUIDE
TRANSACTION "TEXTILES CATALOGUE"

Process: Fabric supply
Activity: Choice of fabrics

Version: v2003-1

Date of release: 31/12/2002

Document code: OF51-010

XML Schema repository: <http://www.moda-ml.net/moda-ml/repository/schema/v2003-1/default.asp>

Guides repository: <http://www.moda-ml.org/moda-ml/repository/guide/v2003-1/EN/default.asp>

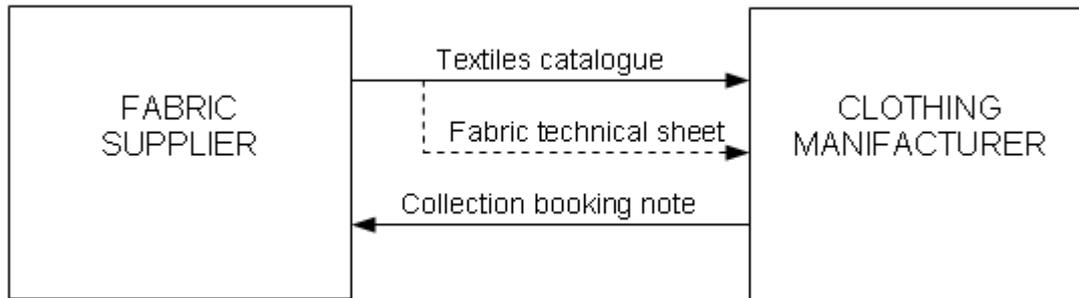
Guide filename: OF51-010-MODA-ML-TextilesCatalogue.pdf

1. Scope

The present guide has been issued by MODA-ML (an IST-2000 EUTIST-AMI Project) to assist the companies of the Textile-Clothing sector in the implementation of the standard XML document type "TEXTILES CATALOGUE", providing all the instruction required for its use in any context of e-commerce between Apparel Manufactures and Fabric Suppliers.

The XML document class here described can be used to support the transaction "Textiles catalogue" in the activity "Choice of fabric" of the process "Fabric supply".

All the rules required for the construction and validation of the document are embedded into the specific XML-Schema, which is detailed in section 3.



2. 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 by MODA-ML 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

TEXCatalog

@msgfunction [Optional] [Default= OR]

TCHheader 1-1

msgN 1-1

msgDate 1-1

msgCurrency 0-1

season 0-1

validityStart 0-1

validityEnd 0-1

buyer 1-1

supplier 1-1

note 0-5

TCbody 1-1

TCgroup 1-999

3. Use of the document

3.1 Generalities

This document is used to transfer to the Client (Apparel Manufacturer) the data base required to start and support an E-commerce relationship.

It lists the articles composing the Fabric Manufacturer's offer (codes, descriptions, prices and sales conditions) and can include some of the technical data (composition, weight and width, construction specifications, ...).

3.2 Detailed description of document elements

TEXCatalog

@msgfunction [Optional] [Default= OR]

THeader 1-1

msgN 1-1

msgDate 1-1

msgCurrency 0-1

season 0-1

validityStart 0-1

validityEnd 0-1

buyer 1-1

@logo [Optional]

id 1-1

@numberingOrg [Optional]

legalName 0-1

dept 0-1

person 0-1

@email [Optional]

street 0-1

city 0-1

subCountry 0-1

country 0-1

postCode 0-1

supplier 1-1

@logo [Optional]

id 1-1

@numberingOrg [Optional]

legalName 0-1

dept 0-1

person 0-1

@email [Optional]

street 0-1

city 0-1

subCountry 0-1

country 0-1

postCode 0-1

note 0-5

TEXCatalog	
@msgfunction [Optional] [Default= OR]	message function function performed by the present message with regards to the transmission - base type: string, cod. table: NT18, (XPath: TEXCatalog/@msgfunction)
THeader 1-1	TC header header of the document "TEXTILES CATALOGUE" - (XPath: TEXCatalog/THeader)
msgN 1-1	message identifier identification number given to the message by its issuer

	- base type: string, max length: 25, (XPath: TEXCatalog/THeader/msgN)
msgDate 1-1	message date date of issue of the present message (xml document) - base type: date, (XPath: TEXCatalog/THeader/msgDate)
msgCurrency 0-1	message currency code currency used to express the monetary amounts of the message - base type: string, cod. table: T9, (XPath: TEXCatalog/THeader/msgCurrency)
season 0-1	season identifier sale season; represented as a) season (Spring/Summer=1; Autumn/Winter=2) + b) year - base type: string, length: 5, (XPath: TEXCatalog/THeader/season)
validityStart 0-1	validity start date date by which the validity starts - base type: date, (XPath: TEXCatalog/THeader/validityStart)
validityEnd 0-1	validity end date date by which the validity ends - base type: date, (XPath: TEXCatalog/THeader/validityEnd)
buyer 1-1	Buyer details of the Buyer - base type: Nad, (XPath: TEXCatalog/THeader/buyer)
<i>@logo [Optional]</i>	party 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: TEXCatalog/THeader/buyer/@logo)
id 1-1	Party identifier primary identification code of the Party - base type: string, max length: 15, (XPath: TEXCatalog/THeader/buyer/id)
<i>@numberingOrg [Optional]</i>	numbering organisation code Party who has created or owns the coding or numbering system - base type: string, cod. table: NT6, (XPath: TEXCatalog/THeader/buyer/id/@numberingOrg)
legalName 0-1	Legal name legal name of the Party - base type: string, max length: 80, (XPath: TEXCatalog/THeader/buyer/legalName)
dept 0-1	department identifier name or code of the department within the Party - base type: string, max length: 40, (XPath: TEXCatalog/THeader/buyer/dept)
person 0-1	contact person name name of the contact person within the Party - base type: string, max length: 40, (XPath: TEXCatalog/THeader/buyer/person)

<i>@email [Optional]</i>	e-mail electronic mail address - base type: string, max length: 80, (XPath: TEXCatalog/THeader/buyer/person/@email)
street 0-1	street and building identifier street and building number identifying the location of the Party - base type: string, max length: 80, (XPath: TEXCatalog/THeader/buyer/street)
city 0-1	city name name of the city (town, village) where the Party is located - base type: string, max length: 40, (XPath: TEXCatalog/THeader/buyer/city)
subCountry 0-1	sub-country code short name or code of the sub-country entity - base type: string, max length: 9, (XPath: TEXCatalog/THeader/buyer/subCountry)
country 0-1	country code code of the nation where the Party is located - base type: string, cod. table: T10, (XPath: TEXCatalog/THeader/buyer/country)
postCode 0-1	postal zone code code defining the postal zone - base type: string, max length: 10, (XPath: TEXCatalog/THeader/buyer/postCode)
supplier 1-1	Supplier details of the Supplier - base type: Nad, (XPath: TEXCatalog/THeader/supplier)
<i>@logo [Optional]</i>	party 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: TEXCatalog/THeader/supplier/@logo)
id 1-1	Party identifier primary identification code of the Party - base type: string, max length: 15, (XPath: TEXCatalog/THeader/supplier/id)
<i>@numberingOrg [Optional]</i>	numbering organisation code Party who has created or owns the coding or numbering system - base type: string, cod. table: NT6, (XPath: TEXCatalog/THeader/supplier/id/@numberingOrg)
legalName 0-1	Legal name legal name of the Party - base type: string, max length: 80, (XPath: TEXCatalog/THeader/supplier/legalName)
dept 0-1	department identifier name or code of the department within the Party - base type: string, max length: 40, (XPath: TEXCatalog/THeader/supplier/dept)
person 0-1	contact person name name of the contact person within the Party - base type: string, max length: 40,

	(XPath: TEXCatalog/THeader/supplier/person)
@email [Optional]	e-mail electronic mail address - base type: string, max length: 80, (XPath: TEXCatalog/THeader/supplier/person/@email)
street 0-1	street and building identifier street and building number identifying the location of the Party - base type: string, max length: 80, (XPath: TEXCatalog/THeader/supplier/street)
city 0-1	city name name of the city (town, village) where the Party is located - base type: string, max length: 40, (XPath: TEXCatalog/THeader/supplier/city)
subCountry 0-1	sub-country code short name or code of the sub-country entity - base type: string, max length: 9, (XPath: TEXCatalog/THeader/supplier/subCountry)
country 0-1	country code code of the nation where the Party is located - base type: string, cod. table: T10, (XPath: TEXCatalog/THeader/supplier/country)
postCode 0-1	postal zone code code defining the postal zone - base type: string, max length: 10, (XPath: TEXCatalog/THeader/supplier/postCode)
note 0-5	free text free text note - base type: string, max length: 350, (XPath: TEXCatalog/THeader/note)

TCbody 1-1

TCgroup 1-999

artGroup 0-1

artGroupName 0-1

TCitem 1-999

lineN 1-1

fabricNameSupplier 0-1

art 1-1

pattern 0-1

color 0-99

added 0-99

catalogPrice 0-9

@um [Required]

@minQty [Optional]

generalChar 0-1

fabricNameSupplier 1-1

fabricNameBuyer 0-1

season 0-1

tradeMark 0-1

customsStat 0-1

fabricCompos 1-1

percCompos 1-9
 @fibre [Required]
 dyeProcess 0-1
 dyeStuff 0-1
 careLabel 0-1
 minLot 0-1
 @um [Required]
construction 0-1
 fabricWeightM 1-1
 @um [Optional] [Default= GRM]
 fabricWeightM2 0-1
 @um [Optional] [Default= GRM]
 fabricWidth 0-1
 @um [Optional] [Default= CMT]
 fabricCutWidth 1-1
 @um [Optional] [Default= CMT]
 pieceLength 0-1
 @um [Optional] [Default= MTR]
 weave 0-1
 warpCount 0-9
 @method [Optional] [Default= ISO-2060]
 @fibre [Optional]
 weftCount 0-9
 @method [Optional] [Default= ISO-2060]
 @fibre [Optional]
 warpEndsN 0-1
 weftEndsN 0-1
 note 0-1

TCbody 1-1	TC body body of the document "TEXTILES CATALOGUE" - (XPath: TEXCatalog/TCbody)
TCgroup 1-999	TC Group articles grouping of the TEXTILES CATALOGUE - - note: <i>this level is created to allow articles grouping by families</i> (XPath: TEXCatalog/TCbody/TCgroup)
artGroup 0-1	group identifier group number of the product - base type: string, max length: 25, (XPath: TEXCatalog/TCbody/TCgroup/artGroup)
artGroupName 0-1	group name description of the product's group - base type: string, max length: 70, (XPath: TEXCatalog/TCbody/TCgroup/artGroupName)
TCitem 1-999	TC item line item of the message "TEXTILES CATALOGUE" - (XPath: TEXCatalog/TCbody/TCgroup/TCitem)
lineN 1-1	line number number of the line item of the present message - base type: positiveInteger, min inclusive: 1, max inclusive: 9999,

	(XPath: TEXCatalog/TCbody/TCgroup/TCitem/lineN)
fabricNameSupplier 0-1	Supplier fabric name name given to the fabric (article/pattern) by the Supplier - base type: string, max length: 70, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/fabricNameSupplier)
art 1-1	article identifier article number of the product - base type: string, max length: 25, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/art)
pattern 0-1	article's pattern identifier pattern/design number of the product, when not included in the article code - base type: string, max length: 15, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/pattern)
color 0-99	article's colour identifier colour number of the product, when not included in the article code - base type: string, max length: 15, - note: <i>this data can be iterated to show the colours available for the article</i> (XPath: TEXCatalog/TCbody/TCgroup/TCitem/color)
added 0-99	article's additional identifier additional code of the product (complementing the formers) - base type: string, max length: 15, - note: <i>see preceding note</i> (XPath: TEXCatalog/TCbody/TCgroup/TCitem/added)
catalogPrice 0-9	catalogue price amount price shown in the Supplier's Catalogue - base type: decimal, min inclusive: 0, max inclusive: 10000, fraction digits: 2, - note: <i>this data can be iterated when the price depends on the purchased quantity (see attribute "minQty")</i> (XPath: TEXCatalog/TCbody/TCgroup/TCitem/catalogPrice)
@um [Required]	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/catalogPrice/@um)
@minQty [Optional]	minimum quantity minimum quantity required for the application of a given price - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/catalogPrice/@minQty)
generalChar 0-1	General characteristics general data included in the technical sheet of the fabric article - (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar)
fabricNameSupplier 1-1	Supplier fabric name name given to the fabric (article/pattern) by the Supplier - base type: string, max length: 70, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/fabricNameSupplier)
fabricNameBuyer 0- 1	Buyer fabric name name given to the fabric (article/pattern) by the Buyer - base type: string, max length: 70, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/fabricNameBuyer)
season 0-1	season identifier sale season; represented as a) season (Spring/Summer=1; Autumn/Winter=2) + b) year - base type: string, length: 5,

	(XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/season)
tradeMark 0-1	trademark name name of the official trademark - base type: string, max length: 25, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/tradeMark)
customsStat 0-1	customs code statistic code assigned by Customs - base type: string, max length: 15, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/customsStat)
fabricCompos 1-1	fabric composition composition of the fabric according to the Directory 97/37/CE - (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/fabricCompos)
percCompos 1-9	composition rate fiber rate in the fabric composition - base type: positiveInteger, min inclusive: 1, max inclusive: 100, fraction digits: 0, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/fabricCompos/percCompos)
@fibre [Required]	textiles fibre code type of textiles fibre - base type: string, cod. table: T19, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/fabricCompos/percCompos/@fibre)
dyeProcess 0-1	dye process code dye process applied to the fabric - base type: string, cod. table: T15, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/dyeProcess)
dyeStuff 0-1	dye stuff code dye stuff used in the fabric dye process - base type: string, cod. table: T16, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/dyeStuff)
careLabel 0-1	care labelling code codification of the care instructions printed on the label (ISO 3758) - base type: string, length: 5, - note: <i>code composition: 1st digit=id.symbol umid washing, 2nd=id.s.bleaching, 3rd=id.s. ironing, 4th=id.s. dry washing, 5th=id.s. drying. See ATTACHMENT B.</i> (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/careLabel)
minLot 0-1	minimum order quantity minimum order quantity specified by the Supplier - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/minLot)
@um [Required]	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/generalChar/minLot/@um)
construction 0-1	Construction details details of fabric construction - (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction)
fabricWeightM 1-1	fabric weightM measure weight per metre of the fabric as technical specification - base type: decimal, min inclusive: 0, fraction digits: 2,

	(XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/fabricWeightM)
@um [Optional] [Default= GRM]	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/fabricWeightM/@um)
fabricWeightM2 0-1	fabric weighM2 measure weight per square metre of the fabric as technical specification - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/fabricWeightM2)
@um [Optional] [Default= GRM]	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/fabricWeightM2/@um)
fabricWidth 0-1	fabric width measure width of the fabric as technical specification - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/fabricWidth)
@um [Optional] [Default= CMT]	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/fabricWidth/@um)
fabricCutWidth 1-1	fabric cutting width measure usable width of the fabric (for garments manufacturing) as technical specification - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/fabricCutWidth)
@um [Optional] [Default= CMT]	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/fabricCutWidth/@um)
pieceLength 0-1	piece length measure length of the piece - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/pieceLength)
@um [Optional] [Default= MTR]	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/pieceLength/@um)
weave 0-1	weave code type of weaving used in the manufacturing of fabric - base type: string, cod. table: T17, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/weave)
warpCount 0-9	warp count measure of thinness of the warp thread - base type: string, max length: 10, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/warpCount)
@method [Optional] [Default= ISO-2060]	test method identifier standard protocol or method employed in a test to evaluate a characteristic or a parameter - base type: string, max length: 25, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/warpCount/@method)
@fibre [Optional]	textiles fibre code

	<p>type of textiles fibre</p> <p>- base type: string, cod. table: T19, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/warpCount/@fibre)</p>
weftCount 0-9	<p>weft count</p> <p>measure of thinness of the weft thread</p> <p>- base type: string, max length: 10, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/weftCount)</p>
<p><i>@method</i></p> <p>[Optional]</p> <p>[Default= ISO-2060]</p>	<p>test method identifier</p> <p>standard protocol or method employed in a test to evaluate a characteristic or a parameter</p> <p>- base type: string, max length: 25, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/weftCount/@method)</p>
<i>@fibre [Optional]</i>	<p>textiles fibre code</p> <p>type of textiles fibre</p> <p>- base type: string, cod. table: T19, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/weftCount/@fibre)</p>
warpEndsN 0-1	<p>num ends warp</p> <p>number of warp threads in 1 centimetre</p> <p>- base type: decimal, min inclusive: 0, fraction digits: 1, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/warpEndsN)</p>
weftEndsN 0-1	<p>num ends weft</p> <p>number of weft threads in 1 centimetre</p> <p>- base type: decimal, min inclusive: 0, fraction digits: 1, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/construction/weftEndsN)</p>
note 0-1	<p>free text</p> <p>free text note</p> <p>- base type: string, max length: 350, (XPath: TEXCatalog/TCbody/TCgroup/TCitem/note)</p>

4. Enumeration tables

List of enumeration tables used in the XML document. You can find the corresponding codes in the attachment labeled "A", for tables with 100 values or less.

NT18 - message function

T9 - ISO4217 - Currency

NT6 - Product coding qualifier

T10 - ISO3166 - Country

NT7 - Unity of measure

T19 - fibre type

T15 - Dye process type

T16 - Dyestuff type

T17 - Weave type

5. Credits

This guide has been realized for MODA-ML project by Guido Cucchiara, PROGEMA- gruppo SOI, supported by Thomas Imolesi, XML-Lab (initiative from ENEA and Forum per la Tecnologia dell'Informazione).

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The MODA-ML project is supported in the Fifth Framework programme by the European Commission in the IST initiative and is included in the cluster of projects about Agents and Middleware Technologies EUTIST-AMI (IST-2000-28221, <http://www.eutist-ami.org>).

More informations can be acquired in <http://www.moda-ml.org>.

Attachment A

NT18 - message function

CP	copy
OR	original
RT	re-transmission

T9 - ISO4217 - Currency

Table not printed: there are 205 elements, more than the maximum specified (100) for printing.

NT6 - Product coding qualifier

CL	Customer/buyer
CO	Quality Controller
EN	EAN
FO	Supplier
MF	VAT identifier

T10 - ISO3166 - Country

Table not printed: there are 239 elements, more than the maximum specified (100) for printing.

NT7 - Unity of measure

CMT	centimetre
GRM	gram
INH	inch
KGM	kilogram
LBR	pound
MTR	metre
NMB	numero
ONZ	ounce
PZ	piece
YRD	yard

T19 - fibre type

AC	
AF	
AG	
CA	
CL	
CO	
CU	
EA	
FL	

GL	
HL	
JU	
LI	
MA	
MD	
ME	
PA	
PB	
PC	
PE	
PL	
PM	
PP	
PR	
PU	
SE	
TA	
TV	
VI	
VY	
WA	
WC	
WG	
WK	
WL	
WM	
WO	wool
WP	
WS	
WU	
WV	
WY	

T15 - Dye process type

CP	cylinder printing
DP	discharge printing
FI	fibre dyed
PC	piece dyed
PR	printing
SP	screen printing
YR	yarn dyed

T16 - Dyestuff type

AC	chrome acid dyestuff
AN	acid dyestuff
CA	basic dyestuff
DI	direct dyestuff
DS	dispersive dyestuff
NP	naphtol dyestuff
PM	premetallized dyestuff
RE	reactive dyestuff

T17 - Weave type

BA	2/2 twill weave
BE	birdseye weave
CO	corduroy weave
DE	derived weave
DO	double weave
GA	gauze
GR	granite weave
HO	honeycomb weave
HS	hopsack weave
MA	mat weave
PL	plain weave
SA	satin weave
TO	towel weave
TR	tricot weave
TW	twill weave
V	V-weave
W	W-weave