MODA - ML

(www.moda-ml.org)

IMPLEMENTATION GUIDE

TRANSACTION "TEXTILES QUALITY REPORT"

Process: Fabric supply
Activity: Despatch of fabrics

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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 QUALITY REPORT", providing all the instructions 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 Quality report" in the activity "Despatch 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 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 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

TEXQualityRpt
@TQtype [Required]
@msgfunction [Optional] [Default= OR]

    TQheader 1-1
        msgN 1-1
        msgDate 1-1
        buyer 1-1
        supplier 1-1
        thirdParty 0-1
        note 0-9

    TQbody 1-1
        TQitem 1-999

3. Use of the document

3.1 Generalities

The message is issued either by the Fabric Supplier or by the Quality Controller as "quality certificate" of the fabric piece, mainly to anticipate the details on the existence, position and classification of faults in order to accelerate and improve the following apparel manufacturing.

Each document refers either to one piece of fabric, identified by its id. number (TQ type ="S"ingle) or to several pieces belonging to the same shipment (TQ type="M"ultiple) and likewise identified.

The following classes of data can be reported in the document:
- physical dimensions and overall allowance
- fabric faults and their positions
- test value of conformance to specifications and taylorability
- operations performed at Customer's request.

3.2 Detailed description of document elements

TEXQualityRpt
@TQtype [Required]
@msgfunction [Optional] [Default= OR]
    TQheader 1-1
        msgN 1-1
        msgDate 1-1
        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
        thirdParty 0-1
        @role [Required]
            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 0-9

TEXQualityRpt	
@TQtype	TQ type code

[Required]	type of Textiles quality report - base type: string, cod. table: NT15, - nota: *this attribute must be used to specify if the report refers to one or to several pieces* (XPath: TEXQualityRpt/@TQtype)
@msgfunction *[Optional]* *[Default= OR]*	message function function performed by the present message with regards to the transmission - base type: string, cod. table: NT18, (XPath: TEXQualityRpt/@msgfunction)
TQheader 1-1	TQ header header of the TEXTILE QUALITY DATA REPORT. - - note: *In the document issued by the Controller (sent to Client and Supplier) the Controller must identify as "third party". the attribute "logo" should be used only in conjunction with Supplier or Quality Controller.* (XPath: TEXQualityRpt/TQheader)
msgN 1-1	message indentifier identification number given to the message by its issuer - base type: string, max length: 25, (XPath: TEXQualityRpt/TQheader/msgN)
msgDate 1-1	message date date of issue of the present message (xml document) - base type: date, (XPath: TEXQualityRpt/TQheader/msgDate)
buyer 1-1	Buyer details of the Buyer - base type: Nad, (XPath: TEXQualityRpt/TQheader/buyer)
@logo [Optional]	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: TEXQualityRpt/TQheader/buyer/@logo)
id 1-1	Party identifier primary identification code of the Party - base type: string, max length: 15, (XPath: TEXQualityRpt/TQheader/buyer/id)
@numberingOrg *[Optional]*	numbering organisation code Party who has created or owns the coding or numbering system - base type: string, cod. table: NT6, (XPath: TEXQualityRpt/TQheader/buyer/id/@numberingOrg)
legalName 0-1	Legal name legal name of the Party - base type: string, max length: 80, (XPath: TEXQualityRpt/TQheader/buyer/legalName)
dept 0-1	department identifier name or code of the department within the Party - base type: string, max length: 40, (XPath: TEXQualityRpt/TQheader/buyer/dept)
person 0-1	contact person name name of the contact person within the Party - base type: string, max length: 40, (XPath: TEXQualityRpt/TQheader/buyer/person)
@email [Optional]	e-mail

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

@email [Optional]	e-mail electronic mail address - base type: string, max length: 80, (XPath: TEXQualityRpt/TQheader/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: TEXQualityRpt/TQheader/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: TEXQualityRpt/TQheader/supplier/city)
subCountry 0-1	sub-country code short name or code of the sub-country entity - base type: string, max length: 9, (XPath: TEXQualityRpt/TQheader/supplier/subCountry)
country 0-1	country code code of the nation where the Party is located - base type: string, cod. table: T10, (XPath: TEXQualityRpt/TQheader/supplier/country)
postCode 0-1	postal zone code code defining the postal zone - base type: string, max length: 10, (XPath: TEXQualityRpt/TQheader/supplier/postCode)
thirdParty 0-1	Third Party details of the Third Party, different from Buyer or Supplier - base type: Nad, - note: *in this case the only permitted third Party is the Controller (role="CO")* (XPath: TEXQualityRpt/TQheader/thirdParty)
@role [Required]	Party code Third Party qualifier - base type: string, cod. table: NT2, (XPath: TEXQualityRpt/TQheader/thirdParty/@role)
id 1-1	Party identifier primary identification code of the Party - base type: string, max length: 15, (XPath: TEXQualityRpt/TQheader/thirdParty/id)
@numberingOrg [Optional]	numbering organisation code Party who has created or owns the coding or numbering system - base type: string, cod. table: NT6, (XPath: TEXQualityRpt/TQheader/thirdParty/id/@numberingOrg)
legalName 0-1	Legal name legal name of the Party - base type: string, max length: 80, (XPath: TEXQualityRpt/TQheader/thirdParty/legalName)
dept 0-1	department identifier name or code of the department within the Party - base type: string, max length: 40, (XPath: TEXQualityRpt/TQheader/thirdParty/dept)
person 0-1	contact person name name of the contact person within the Party - base type: string, max length: 40,

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

TQbody 1-1
    TQitem 1-999
        serialN 1-3
        @*numberingOrg [Optional] [Default= FO]*
        texCode 0-2
        @*numberingOrg [Required]*
            art 1-1
            pattern 0-1
            color 0-1
            added 0-1
        refDoc 0-1
        @*docType [Required]*
            docID 1-1
            docDate 0-1
            season 0-1
            itemID 0-1
        testDate 1-1
        lotN 0-1
        dyeN 0-1
        mixMatch 0-1
        pieceMeasures 1-2

@source [Required]
    pieceLength 1-1
    @um [Optional] [Default= MTR]
    pieceWidth 1-1
    @um [Optional] [Default= CMT]
    pieceCutWidth 1-1
    @um [Optional] [Default= CMT]
    pieceWeight 1-1
    @um [Optional] [Default= KGM]
    pieceWeightM 1-1
    @um [Optional] [Default= GRM]
    pieceAllow 0-1
    @um [Required]
pieceMap 1-2
@source [Required]
    totFault 1-1
    pieceFault 0-99
    @faultRank [Required]
    @faultShape [Optional]
        - choose -
          fabricFault 1-1
        - or -
          fabricFaultText 1-1
        - end choose -
          warpStart 1-1
          @um [Optional] [Default= MTR]
          warpEnd 0-1
          @um [Optional] [Default= MTR]
          weftStart 0-1
          @um [Optional] [Default= CMT]
          weftEnd 0-1
          @um [Optional] [Default= CMT]
          pieceAllow 0-1
          @um [Required]
          note 0-1
pieceTestRpt 0-2
@source [Required]
    fabricTest 1-99
        - choose -
          fabricChar 1-1
        - or -
          fabricCharText 1-1
        - end choose -
          experimValue 0-9
          @method [Optional]
          @application [Optional]
          comply 0-1
          note 0-1
    fabricTaylorability 0-99
        taylorabilityChar 1-1
        experimValue 1-9
        @method [Optional]

@application [Optional]
note 0-1
pieceJobReport 0-1
jobName 1-99

TQbody 1-1	TQ body body of the document "Textiles Quality Report". It contains one TQitem element for each textile quality report. - - note: *In multiple reports (TQtype="M") this section must contain more than one TQitem.* (XPath: TEXQualityRpt/TQbody)
TQitem 1-999	TQ item Body of the single textiles quality report. It includes 5 sections: identification data-measurements-faults map- test results-operations performed - (XPath: TEXQualityRpt/TQbody/TQitem)
serialN 1-3	serial number serial number used for the identification of the physical units of a product - base type: string, max length: 15, - note: *here the serial number of the piece must be reported* (XPath: TEXQualityRpt/TQbody/TQitem/serialN)
@numberingOrg [Optional] [Default= FO]	numbering organisation code Party who has created or owns the coding or numbering system - base type: string, cod. table: NT6, - nota: *here the issuer of the serial number must be specified (when different from the Supplier)* (XPath: TEXQualityRpt/TQbody/TQitem/serialN/@numberingOrg)
texCode 0-2	Textiles product code full codification of the textile product - (XPath: TEXQualityRpt/TQbody/TQitem/texCode)
@numberingOrg [Required]	numbering organisation code Party who has created or owns the coding or numbering system - base type: string, cod. table: NT6, (XPath: TEXQualityRpt/TQbody/TQitem/texCode/@numberingOrg)
art 1-1	article identifier article number of the product - base type: string, max length: 25, - note: *can be used either for the base-article (excluding pattern/colour) or for the SKU* (XPath: TEXQualityRpt/TQbody/TQitem/texCode/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: TEXQualityRpt/TQbody/TQitem/texCode/pattern)
color 0-1	article's colour identifier colour number of the product, when not included in the article code - base type: string, max length: 15, (XPath: TEXQualityRpt/TQbody/TQitem/texCode/color)
added 0-1	article's additional identifier additional code of the product (complementing the formers) - base type: string, max length: 15, (XPath: TEXQualityRpt/TQbody/TQitem/texCode/added)
refDoc 0-1	reference document details

	identification of a document and of an item thereof, to which the message makes reference - - note: *here the number of the Despatch Advise of the piece can be specified* (XPath: TEXQualityRpt/TQbody/TQitem/refDoc)
@*docType* *[Required]*	document type code type or class to which the document belongs - base type: string, cod. table: T21, (XPath: TEXQualityRpt/TQbody/TQitem/refDoc/@docType)
docID 1-1	document identifier identification number given to the referenced document by its issuer - base type: string, max length: 25, (XPath: TEXQualityRpt/TQbody/TQitem/refDoc/docID)
docDate 0-1	document date date of issue of the referenced document - base type: date, (XPath: TEXQualityRpt/TQbody/TQitem/refDoc/docDate)
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: TEXQualityRpt/TQbody/TQitem/refDoc/season)
itemID 0-1	item number number of the line/item of the referenced document - base type: positiveInteger, min inclusive: 1, max inclusive: 9999, (XPath: TEXQualityRpt/TQbody/TQitem/refDoc/itemID)
testDate 1-1	test date date on which the quality test of goods has been made - base type: date, (XPath: TEXQualityRpt/TQbody/TQitem/testDate)
lotN 0-1	manufactury lot identifier lot number of the yarn or lot/batch number of the raw material - base type: string, max length: 15, (XPath: TEXQualityRpt/TQbody/TQitem/lotN)
dyeN 0-1	dye bath identifier number of the dying batch of the piece or yarn - base type: string, max length: 15, (XPath: TEXQualityRpt/TQbody/TQitem/dyeN)
mixMatch 0-1	fabric piece nuance identifier colour hue of the fabric piece used for the match of garments - base type: string, max length: 15, (XPath: TEXQualityRpt/TQbody/TQitem/mixMatch)
pieceMeasures 1-2	Fabric piece measures measurements of the piece; include width, length, weight and allowance. - - note: *this data group can be iterated to compare the values provided by the Supplier with the values obtained by the external Quality Controller* (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures)
@*source* *[Required]*	data source code specifies who has provided the data - base type: string, cod. table: NT12, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/@source)
pieceLength 1-1	piece length measure length of the piece

	- base type: decimal, min inclusive: 0, fraction digits: 2, - note: *effective length of the piece (allowance included)* (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/pieceLength)
@um [Optional] *[Default= MTR]*	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/pieceLength/@um)
pieceWidth 1-1	piece width measure effective width of the fabric piece - base type: decimal, min inclusive: 0, fraction digits: 2, - note: *effective width of the piece (selvedge included)* (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/pieceWidth)
@um [Optional] *[Default= CMT]*	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/pieceWidth/@um)
pieceCutWidth 1-1	piece cutting width measure effective usable width of the fabric piece (for garment manufacturing) - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/pieceCutWidth)
@um [Optional] *[Default= CMT]*	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/pieceCutWidth/@um)
pieceWeight 1-1	piece weight measure effective total weight of the fabric piece - base type: decimal, min inclusive: 0, fraction digits: 2, - note: *effective weight of the piece* (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/pieceWeight)
@um [Optional] *[Default= KGM]*	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/pieceWeight/@um)
pieceWeightM 1-1	piece weightM measure effective weight per metre of the fabric piece - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/pieceWeightM)
@um [Optional] *[Default= GRM]*	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/pieceWeightM/@um)
pieceAllow 0-1	piece allowance measure allowance required or accorded for the piece - base type: decimal, min inclusive: 0, fraction digits: 2, - note: *this is the allowance evaluated by the same "source" responsible for the other measurements* (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/pieceAllow)
@um [Required]	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMeasures/pieceAllow/@um)
pieceMap 1-2	Fabric piece map

	mapping of the piece faults: type, rank and location - - note: *this data group can be iterated to compare the values provided by the Supplier with the values obtained by the external Quality Controller* (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap)
@*source* *[Required]*	data source code specifies who has provided the data - base type: string, cod. table: NT12, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/@source)
totFault 1-1	fabric faults quantity total number of faults - base type: positiveInteger, total digits: 6, - note: *the 1st/2nd digit count the "Large faults", the 3rd/4th the "Medium faults" and the 5th/6th the "Small faults"* (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/totFault)
pieceFault 0-99	Fabric piece fault details classification, position and allowance of the piece faults. The reference point (0,0) for the position is the lower left corner of the piece (selvedge excluded) - (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault)
@*faultRank* *[Required]*	piece fault rank code ranking class of the fabric fault - base type: string, cod. table: NT13, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/@faultRank)
@*faultShape* *[Optional]*	piece fault shape code shape classification of the fabric fault - base type: string, cod. table: NT14, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/@faultShape)
fabricFault 1-1	fabric fault code code specifying the type or class of fabric fault - base type: string, cod. table: T12, - note: *here the MODA-ML codelist must be used.* (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/fabricFault)
fabricFaultText 1-1	fabric fault text free text describing the type or class of the fabric fault - base type: string, max length: 40, - note: *here the text or proprietary code mutually agreed must be used* (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/fabricFaultText)
warpStart 1-1	warpway starting point measure start point in the warp direction - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/warpStart)
@*um [Optional]* *[Default= MTR]*	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/warpStart/@um)
warpEnd 0-1	warpway ending point measure end point in the warp direction - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/warpEnd)
@*um [Optional]* *[Default= MTR]*	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7,

	(XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/warpEnd/@um)
weftStart 0-1	weftway starting point measure start point in the weft direction - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/weftStart)
@*um [Optional]* *[Default= CMT]*	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/weftStart/@um)
weftEnd 0-1	weftway ending point measure end point in the weft direction - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/weftEnd)
@*um [Optional]* *[Default= CMT]*	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/weftEnd/@um)
pieceAllow 0-1	piece allowance measure allowance required or accorded for the piece - base type: decimal, min inclusive: 0, fraction digits: 2, - note: *this is the allowance estimated for the fault by the same "source" responsible for the other measurements* (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/pieceAllow)
@*um [Required]*	unit of measure code specification of the unit of measure - base type: string, cod. table: NT7, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/pieceAllow/@um)
note 0-1	free text free text note - base type: string, max length: 350, (XPath: TEXQualityRpt/TQbody/TQitem/pieceMap/pieceFault/note)
pieceTestRpt 0-2	Fabric piece test report details of the test performed on the piece. Includes two sections: test upon the technical characteristics of fabric in general and the taylorability test - - note: *this data group can be iterated to compare the values provided by the Supplier with the values obtained by the external Quality Controller* (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt)
@*source* *[Required]*	data source code specifies who has provided the data - base type: string, cod. table: NT12, (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/@source)
fabricTest 1-99	Fabric test details details of the test performed. Include the parameter evaluated, the experimental value (one or more) and the declaration of conformity - (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTest)
fabricChar 1-1	fabric characteristic code code of the physical or mechanical parameter used to define a "technical characteristic of the fabric" (see Fabric technical sheet) - base type: string, cod. table: T13, - note: *here the MODA-ML codelist must be used.* (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTest/fabricChar)

fabricCharText 1-1	fabric characteristic text free text describing the physical or mechanical parameter used to define a "technical characteristic of the fabric" - base type: string, max length: 40, - note: *here the text or the proprietary code mutually agreed must be used* (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTest/fabricCharText)
experimValue 0-9	experimental measure experimental value of the specified parameter - base type: decimal, - note: *this data can be iterated to provide repeated intances of the same test* (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTest/experimValue)
@*method* *[Optional]*	test method identifier standard protocol or method employed in a test to evaluate a characteristic or a parameter - base type: string, max length: 25, - nota: *we recommend the specification of the method of measure only when different from the one of the MODA-ML coding system* (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTest/experimValue/@method)
@*application* *[Optional]*	application measure force or similar condition (e.g. no. of revolutions) applied in a test as specified within the standard - base type: string, max length: 15, (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTest/experimValue/@application)
comply 0-1	compliance indicator specifies if the experimental value complies with the standard requirement (target value) - base type: boolean, (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTest/comply)
note 0-1	free text free text note - base type: string, max length: 350, (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTest/note)
fabricTaylorability 0-99	Fabric taylorability details taylorability data. Include the type and the value of the taylorability parameter - (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTaylorability)
taylorabilityChar 1-1	fabric taylorability code taylorability parameter for fabric - base type: string, cod. table: T14, - note: *here the MODA-ML codelist must be used* (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTaylorability/taylorabilityChar)
experimValue 1-9	experimental measure experimental value of the specified parameter - base type: decimal, - note: *in the case of FAST test the attributes "meth" and "applic" should not be used* (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTaylorability/experimValue)
@*method* *[Optional]*	test method identifier standard protocol or method employed in a test to evaluate a characteristic or a parameter - base type: string, max length: 25, - nota: *we recommend the specification of the method of measure only when different from the one of the MODA-ML coding system*

	(XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTaylorability/experimValue/@method)
@application *[Optional]*	application measure force or similar condition (e.g. no. of revolutions) applied in a test as specified within the standard - base type: string, max length: 15, (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTaylorability/experimValue/@application)
note 0-1	free text free text note - base type: string, max length: 350, (XPath: TEXQualityRpt/TQbody/TQitem/pieceTestRpt/fabricTaylorability/note)
pieceJobReport 0- 1	Fabric piece work details details of the operations performed on the fabric piece - (XPath: TEXQualityRpt/TQbody/TQitem/pieceJobReport)
jobName 1-99	job name description of the elementary job - base type: string, max length: 40, (XPath: TEXQualityRpt/TQbody/TQitem/pieceJobReport/jobName)

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.

NT15 - Textiles quality report type
NT18 - message function
NT6 - Product coding qualifier
T10 - ISO3166 - Country
NT2 - Third party qualifier
T21 - type of document
NT12 - Data source
NT7 - Unity of measure
NT13 - Fabric fault category
NT14 - Fabric fault shape
T12 - Fabric faults
T13 - Chimical, physical, mechanical properties
T14 - FAST tests

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

Attachment A

NT15 - Textiles quality report type

M	multiple
S	single

NT18 - message function

CP	copy
OR	original
RT	re-transmission

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 maximnum specified (100) for printing.

NT2 - Third party qualifier

AG	Sales Agent
CO	Quality Controller
DC	Response to
DF	Invoicee
DM	Consignee
IM	Importer
SP	Forwarder

T21 - type of document

CAT	price catalogue
CTR	contract
DAD	darn order
DDT	ddt
DEA	despatch advise
DER	despatch request
ORD	purchase order
OSR	order status request
OST	order status
OUR	our reference
SCL	process sheet

NT12 - Data source

AC	internal test
CO	external test

NT7 - Unity of measure

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

NT13 - Fabric fault category

CL1	class 1
CL2	class 2
CL3	class 3
CL4	class 4
CL5	class 5
CL6	class 6
G	large
L	small
M	medium

NT14 - Fabric fault shape

C	continuous
P	point
S	stretch

T12 - Fabric faults

AA	
AA1	warpway thick end
AA2	weftway thick pick
AA3	thin end/pick
AA4	warpway thin end
AA5	weftway thin pick
AA6	tight end/pick
AA7	warpway tight end

AB	weftway tight pick
AB1	slack end/pick
AB2	warpway slack end
AB3	weftway slack pick
AB4	missing end/pick
AB5	warpway missing end
AB6	weftway missing pick
AC	knots/slubs
AE	stripes/bars
AE1	stripes/bars in the warp
AE2	stripes/bars in the weft
AG	bowing
AG1	bowing in the warp
AG2	bowing in the weft
AI	skew
AJ	difference in tension: body-selvedge
AK	
AL	
AM	tears,cuts,holes
AN	abrasions
AO	faulty mending
AP	creases
AQ	disagreable odour
AR1	foreign matter (fibres)
AR3	stains
AS	variation in shade: weftway
AT	variation in shade: warpway
AU	difference in shade (vs. sample)
AV	difference in look (vs. sample)
AW	difference in handle (vs. sample)
AX	asymmetry of design
AY	irregularity of checks
AZ	
AZA	

T13 - Chimical, physical, mechanical properties

CMA	resistance to pilling (UNI.E.1512434)
CMB	seam slippage - warp (NFG7117)
CMC	seam slippage - weft (NFG7117)
CMD	breaking strength - warp (ISO 1394-1)
CME	breaking strength - weft (ISO 1394-1)
CMF	resistance to abrasion (EN 12947)
CMH	tear strength (ISO 9290)
CMI	crease recovery (ISO 9867)

CMJ	elongation - warp (BS 4294/68)
CMK	elongation - weft (BS 4294/68)
SLA	colour fastness to light (ISO 105-B02)
SLB	colour fastness to washing (ISO 105-C06)
SLC	colour fastness to dry cleaning (ISO 105-D01)
SLD	colour fastness to spotting water (ISO 105-E07)
SLG	colour fastness to alkaline perspiration (ISO 105-E04)
SLH	colour fastness to acid perspiration (ISO 105-E04)
SLI	colour fastness to dry rubbing (ISO 105-X12)
SLJ	colour fastness to wet rubbing (ISO 105-X12)
SLK	colour fastness to dry ironing (ISO 105-X11)
SLM	colour fastness to wet ironing (ISO 105-X11)
SLW	colour fastness to water (ISO 105-E01)
SLX	colour fastness to Xeno-light (ISO 105-E01)
SLZ	colour fastness to rubbing org. Solv. (ISO 105-D02)
STA	dimensional stability to steaming press - length (DIN 53894-2)
STB	dimensional stability to steaming press - width (DIN 53894-2)
STC	dimensional stability to washing - length (ISO 5077+6330)
STD	dimensional stability to washing - width (ISO 5077+6330)
STE	dimensional stability to dry cleaning - length (ISO 3175)
STF	dimensional stability to dry cleaning - width (ISO 3175)

T14 - FAST tests

A1	press test angle - warpway
A2	press test angle - weftway
B1	bending rigidity - warpway
B2	bending rigidity - weftway
E1001	extensibility - warpway
E1002	extensibility - weftway
F1	formability - warpway
F2	formability - weftway
G	shear rigidity
HE1	hygral expansion - warpway
HE2	hygral expansion - weftway
RS1	relaxation shrinkage - warpway
RS2	relaxation shrinkage - weftway
ST	surface thickness
STR	surface thickness released
T2	thickness