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DRAFT

IMPLEMENTATION GUIDE

TRANSACTION "YARN QUALITY REPORT"

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0. PREMISE

This document contains a proposal for the updating and extension of eBIZ specifications starting from the eBIZ version released as CEN CWA 16667 in 2013. 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 **eBIZ 4.0 project** funded by the European Commission, call COS-DESIGN-2015-3-06, topic COS-2015-DESIGN-2.

The technical contents are backwards compatible with the latest official published version.

1. BUSINESS DESCRIPTION

1.1 Scope

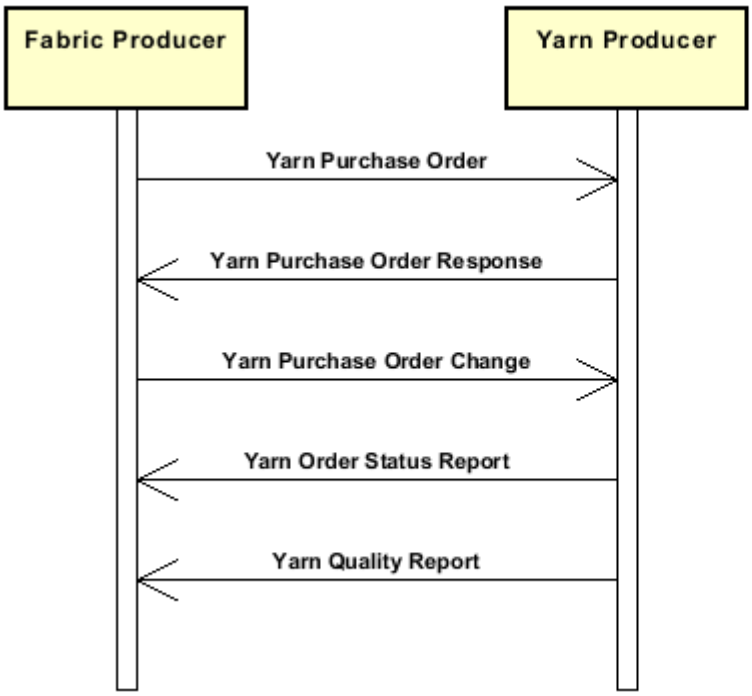
Rarely, and usually when problems arise at the weaving mill, the Client can ask to receive an external Laboratory test report to assess the values given by the Manufacturer or to evaluate further parameters. In such case the Laboratory, after the manufacturing, sends a quality report that certify the manufacturing characteristics and the mechanical-physical-chemical properties of the batch to be delivered, giving the actual values of the construction and quality parameters agreed upon

1.2 Generalities

Rarely, and usually when problems arise at the weaving mill, the Client can request to an external Laboratory either the check of the values given by the Manufacturer or the evaluation of further parameters. In such case the Laboratory sends a quality report that certify the manufacturing characteristics and the mechanical-physical-chemical properties through the actual values of the concerned parameters.

1.3. Possible scenario

Purchase of yarn


Fabric Producer
Yarn Producer
Yarn Purchase Order
Yarn Purchase Order Response
Yarn Purchase Order Change
Yarn Order Status Report
Yarn Quality Report

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

YARNQualityRpt
@msgfunction [Optional]
@version [Optional] [Default= draft]
@useProfile [Optional]
| TQheader 1-1
| | msgN 1-1
- choose -
| | msgID 0-1
- or -
| | docID 0-1
| | *@numberingOrg [Optional]*
- end choose -
| | msgDate 1-1
| | *@dateForm [Optional]*
| | buyer 1-1
| | *@logo [Optional]*
| | *@sender [Optional]*
| | | id 1-1
| | | *@numberingOrg [Optional]*
| | | additionalIdentifier 0-9
| | | *@numberingOrg [Optional]*
| | | *@idQualifier [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
| | supplier 1-1
| | *@logo [Optional]*
| | *@sender [Optional]*
| | | id 1-1
| | | *@numberingOrg [Optional]*
| | | additionalIdentifier 0-9
| | | *@numberingOrg [Optional]*

| | | *@idQualifier [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
| | **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
| | note 0-99
| | *@numberingOrg [Optional]*
| | *@codeList [Optional]*
| | *@noteLabel [Optional]*

| yarnTecSheet 1-99
| | yarnIdentity 0-1
| | | yarnNameSupplier 1-1
| | | yarnNameBuyer 0-1
| | | tradeMark 0-1
| | | season 0-1
| | | *@numberingOrg [Optional]*
| | | *@codeList [Optional]*
| | | *@listName [Optional]*
| | | *@listVersion [Optional]*
| | | yarnCompos 0-1
| | | | percCompos 1-9
| | | | *@fibre [Required]*
| | | fibrePD 0-9
| | | *@fibre [Required]*
| | | | length 0-1
| | | | *@um [Required]*
| | | | diameter 0-1
| | | | *@um [Optional]*
| | | | country 0-1
| | | yarnClass 0-1
| | | yarnKind 0-1
| | | yarnCount 0-1
| | | *@countSystem [Required]*
| | | *@CV [Optional]*

| | | **yarnTwist 0-1**
| | | | twistDirection 1-1
| | | | qty 0-1
| | | | *@um [Required]*
| | | moistRegain 0-1
| | | **yarnCode 0-2**
| | | *@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
| | | | *@ln [Optional]*
| | | customsStat 0-1
| | | yarnComWeight 0-1
| | | *@um [Required]*
| | | standardPack 0-1
| | | *@reelType [Optional]*
| | | yarnReelQty 0-1
| | | *@um [Required]*
| | | minLot 0-1
| | | *@um [Required]*
| | | minLotExclusive 0-1
| | | *@um [Required]*
| | | optLot 0-9
| | | *@um [Optional]*
| | | avgDeliveryDD 0-1
| | | lotN 0-1
| | | *@numberingOrg [Optional]*
| | | dyeN 0-1
| | | *@numberingOrg [Optional]*
| | | price 0-2
| | | *@um [Optional]*
| | | *@priceQualifier [Optional] [Default= NET]*
| | | *@currency [Optional]*
| | | extendedDescription 0-unbounded
| | | *@ln [Optional]*
| | | note 0-99
| | | *@numberingOrg [Optional]*
| | | *@codeList [Optional]*
| | | *@noteLabel [Optional]*
| | **yarnManufacture 0-1**
| | | **yarnPly 0-1**
| | | | plyWork 1-1
| | | | plyN 0-1
| | | **yarnJobSeq 0-1**
| | | | yarnJob 1-19
| | | dyeProcess 0-1
| | | dyeStuff 0-1
| | | **yarnColorFastness 0-99**
| | | *@colorType [Required]*
| | | | yarnCFTest 1-1

| | | | specValue 1-1
| | | | *@um [Optional]*
| | | | *@source [Optional]*
| | | | *@method [Optional]*
| | | | *@application [Optional]*
| | | | *@CV [Optional]*
| | | colorCard 0-1
| | | | colorCardItem 1-unbounded
| | | | | color 1-2
| | | | | *@numberingOrg [Optional]*
| | | | | *@codeList [Optional]*
| | | | | *@listName [Optional]*
| | | | | *@listVersion [Optional]*
| | | | | CIELab 0-unbounded
| | | | | *@illuminant [Optional]*
| | | | | *@standardObserver [Optional]*
| | | | | | L 1-1
| | | | | | a 1-1
| | | | | | b 1-1
| | | | | refDoc 0-1
| | | | | *@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
| | | | | description 0-unbounded
| | | | | *@ln [Optional]*
| | | note 0-99
| | | *@numberingOrg [Optional]*
| | | *@codeList [Optional]*
| | | *@noteLabel [Optional]*
| | yarnQuality 0-1
| | | yarnQTest 1-19
| | | | yarnQTestType 1-1
| | | | specValue 0-1
| | | | *@um [Optional]*
| | | | *@source [Optional]*
| | | | *@method [Optional]*
| | | | *@application [Optional]*

| | | | *@CV [Optional]*
| | | | tolerance 0-1
| | | | *@um [Required]*
| | | | pcTolerance 0-1
| | | | *@um [Optional]*
| | | | comply 0-1

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.

attachment	an attached document. An attachment can refer to an external document or be included with the document being exchanged (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment) 0-1
buyer	details of the Buyer (party that buys the good or service that is object of the current collaborative process) - base type: Nad, (XPath YARNQualityRpt/TQheader/buyer) 1-1
CIELab	color point in the CIELab color space (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/CIELab) 0-unbounded
colorCard	color card for a textile product (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/colorCard) 0-1
colorCardItem	item of the color card (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem) 1-unbounded
externalReference	details about an external object, such as a document stored at a remote loc ation (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/externalReference) 0-99
fibrePD	physical data of a textile fibre (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/fibrePD) 0-9
refDoc	identification of a document and of an item thereof, to which the message m akes reference (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc) 0-1 - note: *here the CxF3 file can be referenced*
supplier	details of the Supplier (party that supplies the good or service that is object of the current collaborative process) - base type: Nad, (XPath YARNQualityRpt/TQheader/supplier) 1-1
thirdParty	details of the Third Party, different from Buyer or Supplier - base type: Nad, (XPath YARNQualityRpt/TQheader/thirdParty) 0-5 - note: *in this case the only permitted third Party is the Controller (role="CO")*
TQheader	header of the TEXTILES QUALITY REPORT. (XPath YARNQualityRpt/TQheader) 1-1 - note: *in can be specified the Laboratory where the tests have been carried out*
yarnCode	full codification of a yarn product

	(XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnCode) 0-2
yarnColorFastness	color fastness data for a yarn (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/yarnColorFastness) 0-99
yarnCompos	fibrous composition of a yarn product (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnCompos) 0-1
yarnIdentity	set of data that univocally identify the yarn article and any classification or c ommercial information (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity) 0-1
yarnJobSeq	operations undergone in the manufacturing of a yarn (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/yarnJobSeq) 0-1
yarnManufacture	set of data that specify the construction details of the yarn (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture) 0-1
yarnPly	plying characteristics of a yarn (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/yarnPly) 0-1
yarnQTest	parameter related to the quality of yarn - base type: string, (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/yarnQTest) 1-19
yarnQuality	set of data that specify the quality data of the yarn (XPath YARNQualityRpt/yarnTecSheet/yarnQuality) 0-1
yarnTecSheet	technical sheet of the yarn (XPath YARNQualityRpt/yarnTecSheet) 1-99
yarnTwist	twist characteristics of yarn (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnTwist) 0-1

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.

a	"a" dimension of the CIELab color system - base type: decimal, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/CIELab/a) 1-1
added	additional code of the product (complementing the formers) - base type: string, max length: 80, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnCode/added) 0-9 - note: *here an additional codification (see table T44) can be specified*
additionalIdentifier	additional identification code of a Party, for example customs registries or ot hers - base type: string, max length: 15, (XPath YARNQualityRpt/TQheader/supplier/additionalIdentifier) 0-9 - note: *identifiers for example for exports, such as MID (Manufacturer Identifi cation Code), EORI (E.O.R.I. - Economic Operator Registration and Identific ation)* (XPath YARNQualityRpt/TQheader/buyer/additionalIdentifier) 0-9 - note: *identifiers for example for exports, such as MID (Manufacturer Identifi cation Code), EORI (E.O.R.I. - Economic Operator Registration and Identific ation)*
@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*

	(XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCode/added/@addType) [Optional] - nota: *addType allows the clarification of the meaning of the added element content; it is strongly suggested to use it always.*
@application	force or similar condition (e.g. no. of revolutions) applied in a test as specifie d within the standard - base type: string, max length: 15, (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/ yarnQTest/specValue/@application) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ yarnColorFastness/specValue/@application) [Optional]
art	article number of the product - base type: string, max length: 80, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnCode/art) 1-1
avgDeliveryDD	average time (workdays) between order receipt and delivery of an article, sp ecified by the Supplier - base type: duration, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/avgDeliveryDD) 0-1
b	"b" dimension of the CIELab color system - base type: decimal, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/CIELab/b) 1-1
binaryObject	a binary large object containing an attached document - base type: base64Binary, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/binaryObject) 0-1
@characterSet	the character set of the binary object if the mime type is text - base type: normalizedString, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/binaryObject/@characterSet) [O ptional]
characterSetCode	the character set of an external document - base type: normalizedString, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/externalReference/characterSet Code) 0-1
city	name of the city (town, village) - base type: string, max length: 40, (XPath YARNQualityRpt/TQheader/thirdParty/city) 0-1 (XPath YARNQualityRpt/TQheader/supplier/city) 0-1 (XPath YARNQualityRpt/TQheader/buyer/city) 0-1
@codeList	it specifies the URL where the list of codes used to make an instance of the element can be found - base type: string, max length: 255, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/color/@codeList) [Optional] - nota: *this attribute could be used as alternative to the others* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCode/art/@codeList) [Optional] - nota: *this attribute should be ALTERNATIVE to the others* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/note/@codeList) [Optional] - nota: *must be used to provide (URL) the list of codes used in "noteLabel"* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/season/@codeList) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/note/@codeList) [Optional] - nota: *must be used to provide (URL) the list of codes used in "noteLabel"* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/season/@codeList) [Optional] (XPath YARNQualityRpt/TQheader/note/@codeList) [Optional]

	- nota: *must be used to provide (URL) the list of codes used in "noteLabel"* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCode/color/@codeList) [Optional] - nota: *this attribute could be used as alternative to the others*
color	colour number of the product, when not included in the model or fabric code - base type: string, max length: 15, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/color) 1-2 - note: *multiple color values allowed if they differ for at least one of the numb eringOrg and listName attributes* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnCode/color) 0-1
@colorType	type of color to which a "color fastness" value refers - base type: string, cod. table: NT26 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT26.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ yarnColorFastness/@colorType) [Required]
comply	specifies if the experimental value complies with the standard requirement (t arget value) - base type: boolean, (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/yarnQTest/comply) 0-1
country	code of the nation - base type: string, cod. table: T10 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T10.xml* (XPath YARNQualityRpt/TQheader/buyer/country) 0-1 (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/fibrePD/country) 0-1 (XPath YARNQualityRpt/TQheader/supplier/country) 0-1 (XPath YARNQualityRpt/TQheader/thirdParty/country) 0-1
@countSystem	yarn count system - base type: string, cod. table: T55 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T55.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnCount/@countSystem) [Req uired]
@currency	currency in which a specified monetary data is expressed - base type: string, cod. table: T9 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T9.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/price/@currency) [Optional] - nota: *Currency referred by the price.*
customsStat	statistic code assigned by Customs to a specified product - base type: string, max length: 15, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/customsStat) 0-1
@CV	coefficient of variation (CV) of a measurement - base type: decimal, (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/ yarnQTest/specValue/@CV) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ yarnColorFastness/specValue/@CV) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnCount/@CV) [Optional]
@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* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/docDate/@dateForm) [Optional] (XPath YARNQualityRpt/TQheader/msgDate/@dateForm) [Optional]
dept	name or code of a contact department within a Party - base type: string, max length: 40, (XPath YARNQualityRpt/TQheader/supplier/dept) 0-1 (XPath YARNQualityRpt/TQheader/thirdParty/dept) 0-1 (XPath YARNQualityRpt/TQheader/buyer/dept) 0-1

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, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnCode/description) 0-unbounded - note: *Product description* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/description) 0-unbounded
diameter	effective diameter of a specified object - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/fibrePD/diameter) 0-1
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, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/docDate) 0-1
docID	identification number of the referenced document SINCE 2008-1 ITS USE IN THE HEADER IS DISCOURAGED (REPLACED BY msgID) - base type: string, max length: 80, (XPath YARNQualityRpt/TQheader/docID) 0-1 (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/docID) 1-2
@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* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/@docType) [Required]
dyeN	number of the dying batch of a textile product - base type: string, max length: 15, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/dyeN) 0-1 - note: *to be used when the document refers to a specifc production batch*
dyeProcess	dye process applied to the fabric - base type: string, cod. table: T15 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T15.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/dyeProcess) 0-1
dyeStuff	dye stuff used in the fabric dye process - base type: string, cod. table: T16 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T16.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/dyeStuff) 0-1
@email	electronic mail address of the contact person within a Party - base type: string, max length: 250, (XPath YARNQualityRpt/TQheader/thirdParty/person/@email) [Optional] (XPath YARNQualityRpt/TQheader/supplier/person/@email) [Optional] (XPath YARNQualityRpt/TQheader/buyer/person/@email) [Optional]
@encoding	specifies the decoding algorithm of the binary object - base type: normalizedString, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/binaryObject/@encoding) [Optional]
encodingCode	the encoding/decoding algorithm used with the external object - base type: normalizedString, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/externalReference/encodingCode) 0-1

extendedDescription	extended free text description. The content of the element must be unique, it might be translated and repeated into more languages (thus no more than o ne instance for each language). This element might contain HTML code (mu st be managed as CDATA) - base type: string, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/extendedDescription) 0-unboun ded - note: *Extended product description*
@fax	fax number of the contact person within a Party - base type: string, max length: 35, (XPath YARNQualityRpt/TQheader/supplier/person/@fax) [Optional] (XPath YARNQualityRpt/TQheader/buyer/person/@fax) [Optional] (XPath YARNQualityRpt/TQheader/thirdParty/person/@fax) [Optional]
@fibre	type of fibre used in a textile product - base type: string, cod. table: T19 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T19.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/fibrePD/@fibre) [Required] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCompos/percCompos/@fibre) [Required]
fileName	unique identifier (name) of the file - base type: string, max length: 255, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/fileName) 0-1
@format	the format of the binary content - base type: string, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/binaryObject/@format) [Optional]
formatCode	the format of the external object - base type: normalizedString, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/externalReference/formatCode) 0-1
id	primary identification code of a Party; it is recommended the format: nation c ode (ISO 3166) + VAT identification number (11 crt), with the qualifier "num beringOrg"= MF - base type: string, max length: 15, (XPath YARNQualityRpt/TQheader/thirdParty/id) 1-1 (XPath YARNQualityRpt/TQheader/supplier/id) 1-1 (XPath YARNQualityRpt/TQheader/buyer/id) 1-1
@idQualifier	Qualification of the identifier. - base type: string, (XPath YARNQualityRpt/TQheader/buyer/additionalIdentifier/@idQualifier) [Optional] - nota: *this attribute should be used when the numberingOrg attribute is not enough to declare the type of identifier* (XPath YARNQualityRpt/TQheader/supplier/additionalIdentifier/@idQualifier) [Optional] - nota: *this attribute should be used when the numberingOrg attribute is not enough to declare the type of identifier*
@illuminant	CIE light source - base type: string, cod. table: T59 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T59.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/CIELab/@illuminant) [Optional]
@isURL	it indicates if the referred element is an URL (true) or not (false) - base type: boolean,

	(XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/externalReference/uri/@isURL) [Optional] [Default= true] - nota: *usage of URLs is recommended*
itemID	number of the line/item of the referenced document - base type: string, max length: 6, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/itemID) 0-1
L	"L" value of the CIELab color system - base type: decimal, min inclusive: 0, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/CIELab/L) 1-1
legalName	legal name of a Party - base type: string, max length: 250, (XPath YARNQualityRpt/TQheader/supplier/legalName) 0-1 (XPath YARNQualityRpt/TQheader/buyer/legalName) 0-1 (XPath YARNQualityRpt/TQheader/thirdParty/legalName) 0-1
length	effective length of a specified object - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/fibrePD/length) 0-1
@listName	the name of the list of codes used to make an instance of the element (it mi gth be thought as descriptive element, i.e. 'fabric printing technologies', or n ot, i.e. "T264") - base type: string, max length: 40, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCode/art/@listName) [Optional] - nota: *this attribute should always be used coupled with "numberingOrg"* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/color/@listName) [Optional] - nota: *this attribute should always be used coupled with "numberingOrg"* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCode/color/@listName) [Optional] - nota: *this attribute should always be used coupled with "numberingOrg"* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/season/@listName) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/season/@listName) [Optional]
@listVersion	it specifie the version of the list of codes used to make an instance of the ele ment - base type: string, max length: 6, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/color/@listVersion) [Optional] - nota: *this attribute should always be used coupled with "numberingOrg" an d "listName"* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCode/color/@listVersion) [Optional] - nota: *this attribute should always be used coupled with "numberingOrg" an d "listName"* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/season/@listVersion) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCode/art/@listVersion) [Optional] - nota: *this attribute should always be used coupled with "numberingOrg" an d "listName"* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/season/@listVersion) [Optional]
@ln	Language code. - base type: string, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/description/@ln) [Optional]

	(XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCode/description/@ln) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ extendedDescription/@ln) [Optional]
@logo	company logo (URL of the image jpeg or gif). It is recommended that the wi dth of the image does not exceed 640 pixel. - base type: string, max length: 255, (XPath YARNQualityRpt/TQheader/buyer/@logo) [Optional] (XPath YARNQualityRpt/TQheader/supplier/@logo) [Optional]
lotN	lot number of a product or batch number of the raw material - base type: string, max length: 15, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/lotN) 0-1 - note: *to be used when the document refers to a specifc production batch*
@method	standard protocol or method employed in a test to evaluate a characteristic or a parameter - base type: string, max length: 80, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ yarnColorFastness/specValue/@method) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/ yarnQTest/specValue/@method) [Optional]
@mime	the mime type of the binary object - base type: normalizedString, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/binaryObject/@mime) [Optional]
mimeCode	mime type of the external object - base type: normalizedString, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/externalReference/mimeCode) 0 -1
minLot	minimum order quantity of a product requested by the Supplier - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/minLot) 0-1
minLotExclusive	minimum order quantity of a product requested by the Supplier for an exclus ive color - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/minLotExclusive) 0-1
moistRegain	percent moisture regain by the fibres - base type: decimal, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/moistRegain) 0-1
msgDate	date of issue of the present message (xml document), according to one of th e patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string, (XPath YARNQualityRpt/TQheader/msgDate) 1-1
@msgfunction	function performed by the present message with regards to the transmission - base type: string, cod. table: NT18 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT18.xml* (XPath YARNQualityRpt/@msgfunction) [Optional]
msgID	key identifier of the business document in the information system of the issui ng Party. In case of more despatches of the same business document, it is unchanged. - base type: string, max length: 35, (XPath YARNQualityRpt/TQheader/msgID) 0-1
msgN	identification number given to the message (xml document) by its issuer. In case of more despatches of the same business document, it changes. - base type: string, max length: 35,

	(XPath YARNQualityRpt/TQheader/msgN) 1-1
note	free text or structured (computer processing) note. For note structuring use t he attributes "noteLabel" and "codelist" - base type: string, max length: 350, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/note) 0-99 (XPath YARNQualityRpt/TQheader/note) 0-99 (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/note) 0-99
@noteLabel	subject qualifier of a note - base type: string, max length: 35, (XPath YARNQualityRpt/TQheader/note/@noteLabel) [Optional] - nota: *must be used to qualify the subject of the note* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/note/@noteLabel) [Optional] - nota: *must be used to qualify the subject of the note* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/note/@noteLabel) [Optiona l] - nota: *must be used to qualify the subject of the note*
@numberingOrg	code specifying the organisation who has created or owns the coding or nu mbering system - base type: string, cod. table: NT6 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT6.xml* (XPath YARNQualityRpt/TQheader/note/@numberingOrg) [Optional] (XPath YARNQualityRpt/TQheader/supplier/id/@numberingOrg) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/season/@numberingOrg) [Optional] (XPath YARNQualityRpt/TQheader/buyer/id/@numberingOrg) [Optional] (XPath YARNQualityRpt/TQheader/supplier/additionalIdentifier/@numberingOrg) [O ptional] - nota: *here the issuer of the identifier must be specified* (XPath YARNQualityRpt/TQheader/buyer/additionalIdentifier/@numberingOrg) [Opti onal] - nota: *here the issuer of the identifier must be specified* (XPath YARNQualityRpt/TQheader/thirdParty/id/@numberingOrg) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCode/color/@numberingOrg) [Optional] - nota: *this attribute should be used either single or coupled with "listName" and "listVersion"* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnCode/@numberingOrg) [Op tional] [Default= CL] (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/color/@numberingOrg) [Optional] - nota: *this attribute should be used either single or coupled with "listName" and "listVersion"* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCode/added/@numberingOrg) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/docID/@numberingOrg) [Optional] - nota: *here can be specified whose document numbering is used (e.g.: Clie nt, Supplier, ..)* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/fileName/@numberingOrg) [Opti onal] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/note/@numberingOrg) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCode/art/@numberingOrg) [Optional] - nota: *this attribute should be used either single or coupled with "listName" and "listVersion"* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/note/@numberingOrg) [Opt ional] (XPath YARNQualityRpt/TQheader/docID/@numberingOrg) [Optional] - nota: *here can be specified whose document numbering is used (e.g.: Clie nt, Supplier, ..)*

	(XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/dyeN/@numberingOrg) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/lotN/@numberingOrg) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/season/@numberingOrg) [Optional]
optLot	optimized quantity for the manufacturing plant - base type: decimal, min inclusive: 0, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/optLot) 0-9
pcTolerance	percent deviation tolerated on the value of a measurement (it must have a plus or minus sign) - base type: decimal, min inclusive: 0, max inclusive: 100, total digits: 2, (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/yarnQTest/pcTolerance) 0-1
percCompos	fiber rate in the product composition - base type: decimal, min inclusive: 0, max inclusive: 100, fraction digits: 2, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnCompos/percCompos) 1-9
person	name of the contact person within a Party - base type: string, max length: 40, (XPath YARNQualityRpt/TQheader/supplier/person) 0-1 (XPath YARNQualityRpt/TQheader/buyer/person) 0-1 (XPath YARNQualityRpt/TQheader/thirdParty/person) 0-1
@phone	phone number of the contact person within a Party - base type: string, max length: 35, (XPath YARNQualityRpt/TQheader/thirdParty/person/@phone) [Optional] (XPath YARNQualityRpt/TQheader/supplier/person/@phone) [Optional] (XPath YARNQualityRpt/TQheader/buyer/person/@phone) [Optional]
plyN	number of single threads twisted together - base type: positiveInteger, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ yarnPly/plyN) 0-1
plyWork	kind of yarn's ply - base type: string, cod. table: T56 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T56.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ yarnPly/plyWork) 1-1
postCode	code defining the postal zone - base type: string, max length: 10, (XPath YARNQualityRpt/TQheader/supplier/postCode) 0-1 (XPath YARNQualityRpt/TQheader/buyer/postCode) 0-1 (XPath YARNQualityRpt/TQheader/thirdParty/postCode) 0-1
price	unit price of the article, object or service specified - base type: decimal, min inclusive: 0, fraction digits: 4, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/price) 0-2
@priceQualifier	type of price with reference to discount and taxes - base type: string, cod. table: NT20 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT20.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/price/@priceQualifier) [Optional] [Default= NET]
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, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnTwist/qty) 0-1 - note: *here the number of turns per meter is specified*
@reelType	type of package used for a yarn product - base type: string, cod. table: T29 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T29.xml*

	(XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ standardPack/@reelType) [Optional] - nota: *identifies the kind of unit in the package*
@role	Third Party role qualifier - base type: string, cod. table: NT2 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT2.xml* (XPath YARNQualityRpt/TQheader/thirdParty/@role) [Required]
season	sale season; defined as: season (1 crt) + year (4 crt) - season: S/S=1 A/W=2 Spring=3 Summer=4 Autumn=5 Winter=6: for more than four seasons use alphabetic sequence: 1st season=A 2nd season=B etc.etc. - base type: string, max length: 15, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/season) 0-1 - note: *here indicates the season to which the referenced document belongs* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/season) 0-1
@sender	qualifier that specifies the Party issuing of the document - base type: boolean, (XPath YARNQualityRpt/TQheader/supplier/@sender) [Optional] - nota: *This attibute is mandatory when the STYLESHEET must be used* (XPath YARNQualityRpt/TQheader/buyer/@sender) [Optional] - nota: *This attibute is mandatory when the STYLESHEET must be used* (XPath YARNQualityRpt/TQheader/thirdParty/@sender) [Optional] - nota: *This attibute is mandatory when the STYLESHEET must be used*
@source	party who has provided the data - base type: string, cod. table: NT12 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT12.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ yarnColorFastness/specValue/@source) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/ yarnQTest/specValue/@source) [Optional]
specValue	value requested for a property or a parameter that is measured - base type: decimal, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ yarnColorFastness/specValue) 1-1 - note: *when the test forsees two values (change-staining) the 1st value is change and the 2nd staining, devided by ";"* (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/yarnQTest/specValue) 0-1
@standardObserver	CIE average chromatic response definition - base type: string, cod. table: T60 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T60.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/CIELab/@standardObserver) [Optional]
standardPack	number of unit per standard package - base type: positiveInteger, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/standardPack) 0-1
street	street and building number identifying a location - base type: string, max length: 80, (XPath YARNQualityRpt/TQheader/buyer/street) 0-1 (XPath YARNQualityRpt/TQheader/thirdParty/street) 0-1 (XPath YARNQualityRpt/TQheader/supplier/street) 0-1
subCountry	short name or code of the sub-country entity - base type: string, max length: 9, (XPath YARNQualityRpt/TQheader/thirdParty/subCountry) 0-1 (XPath YARNQualityRpt/TQheader/buyer/subCountry) 0-1 (XPath YARNQualityRpt/TQheader/supplier/subCountry) 0-1
subDept	name or code of a contact department within a Party - base type: string, max length: 40,

	(XPath YARNQualityRpt/TQheader/supplier/subDept) 0-1 (XPath YARNQualityRpt/TQheader/buyer/subDept) 0-1 (XPath YARNQualityRpt/TQheader/thirdParty/subDept) 0-1
tolerance	deviation tolerated on the value of a measurement (it must have a plus or minus sign) - base type: decimal, (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/yarnQTest/tolerance) 0-1
tradeMark	name of the official trademark of a specified product (DEPRECATED, use Brand or Product Line). - base type: string, max length: 50, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/tradeMark) 0-1
twistDirection	direction (S or Z) of the yarn twist - base type: string, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnTwist/twistDirection) 1-1
@uid	unique element identifier within the xml document - base type: string, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/@uid) [Optional]
@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* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ minLotExclusive/@um) [Required] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/minLot/@um) [Required] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnReelQty/@um) [Required] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnComWeight/@um) [Required] (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/ yarnQTest/pcTolerance/@um) [Optional] - nota: *to be used when it has to be soecified if the declared percentage is by weight, volume, etc…* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ yarnTwist/qty/@um) [Required] (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/ yarnQTest/specValue/@um) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/ yarnQTest/tolerance/@um) [Required] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/optLot/@um) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/price/@um) [Optional] - nota: *Unit of measure of the product to which the price is referred (price per meter)* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ yarnColorFastness/specValue/@um) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ fibrePD/diameter/@um) [Optional] (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/ fibrePD/length/@um) [Required]
uri	Uniform Resource Identifier (URI) that identifies the external object as an Internet resource - base type: normalizedString, (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ colorCard/colorCardItem/refDoc/attachment/externalReference/uri) 1-1
@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, (XPath YARNQualityRpt/@useProfile) [Optional]

@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* (XPath YARNQualityRpt/TQheader/thirdParty/@VAT) [Optional]
@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* (XPath YARNQualityRpt/@version) [Optional] [Default= draft]
yarnCFTest	color fastness test for a yarn - base type: string, cod. table: T57 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T57.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ yarnColorFastness/yarnCFTest) 1-1
yarnClass	yarn classification according to the manufacturing process - base type: string, cod. table: NT31 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT31.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnClass) 0-1
yarnComWeight	dry weight of fibres plus commercial moisture regain - base type: decimal, min inclusive: 0, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnComWeight) 0-1
yarnCount	linear density measure of yarn (count) - base type: string, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnCount) 0-1
yarnJob	operation of a work cycle for yarn - base type: string, cod. table: T201 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T201.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnManufacture/ yarnJobSeq/yarnJob) 1-19
yarnKind	general type of yarn - base type: string, cod. table: T54 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T54.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnKind) 0-1
yarnNameBuyer	name given to the yarn by the Buyer - base type: string, max length: 250, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnNameBuyer) 0-1
yarnNameSupplier	name given to the yarn by the Supplier - base type: string, max length: 250, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnNameSupplier) 1-1
yarnQTestType	Type of test related to a property of a yarn - base type: string, cod. table: T58 *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T58.xml* (XPath YARNQualityRpt/yarnTecSheet/yarnQuality/yarnQTest/yarnQTestType) 1-1
yarnReelQty	quantity of yarn (by weight or length) wound upon a bobbin - base type: decimal, min inclusive: 0, fraction digits: 2, (XPath YARNQualityRpt/yarnTecSheet/yarnIdentity/yarnReelQty) 0-1

2.3 Enumeration tables

List of enumeration tables used in the XML document. You can find the corresponding codes at: http://www.ebiz-tcf.eu/moda-ml/imple/moda-ml-draft.asp?lingua=en&pag=6

NT100 - eBIZ TCFUpstream version
NT12 - data source
NT16 - VAT rate or code
NT18 - message function
NT2 - third party qualifier
NT20 - price qualifier
NT26 - color type
NT29 - format of a date
NT31 - yarn family
NT6 - coding system owner/issuer
NT7 - unit of measure
T10 - ISO3166 - Country
T15 - dye/print process type
T16 - dyestuff type
T19 - fibre type
T201 - type of job on yarn
T21 - type of document
T29 - type of yarn package
T44 - additional code type
T54 - kind of yarn
T55 - count system
T56 - kind of yarn ply
T57 - color fastness test for yarn
T58 - yarn quality parameters
T59 - CIE illuminant
T60 - CIE standard observer
T9 - ISO4217 - Currency

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DISCLAIMER

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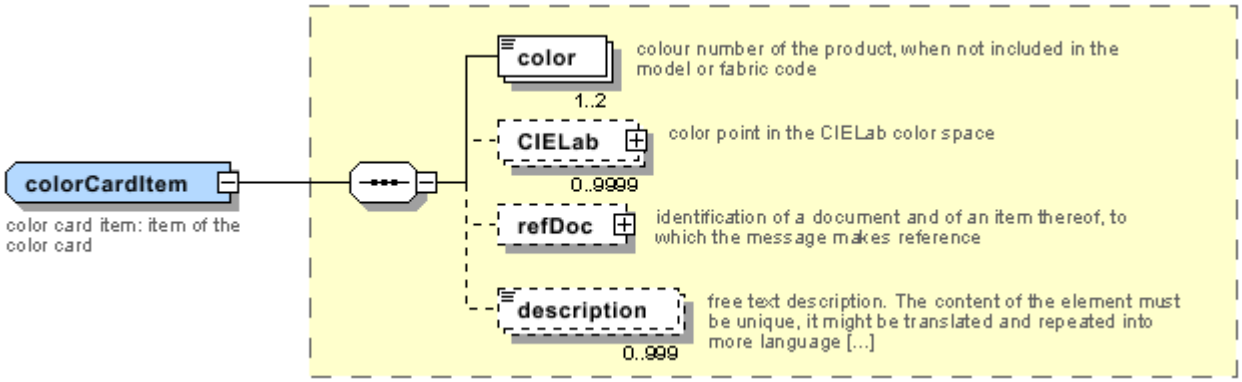
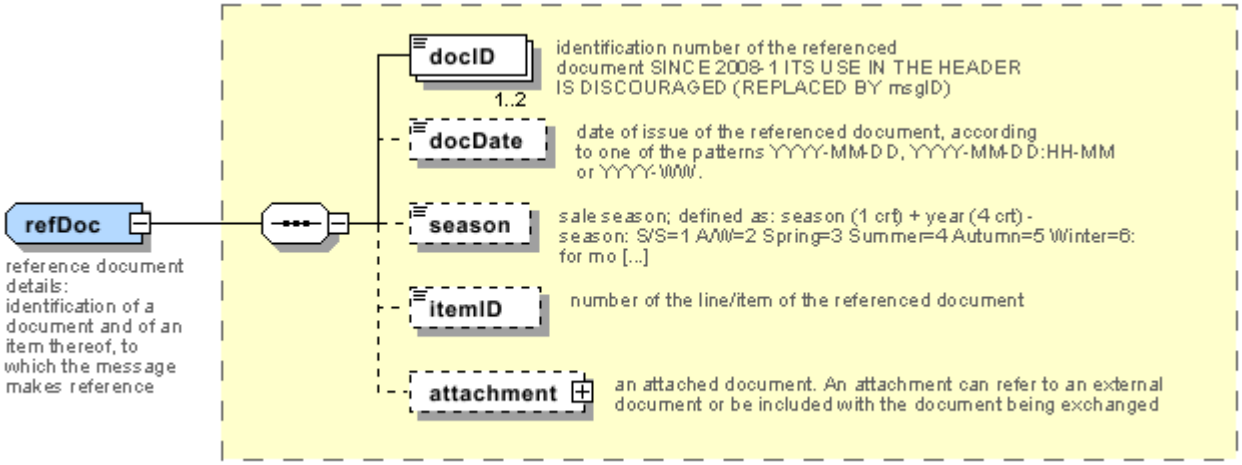
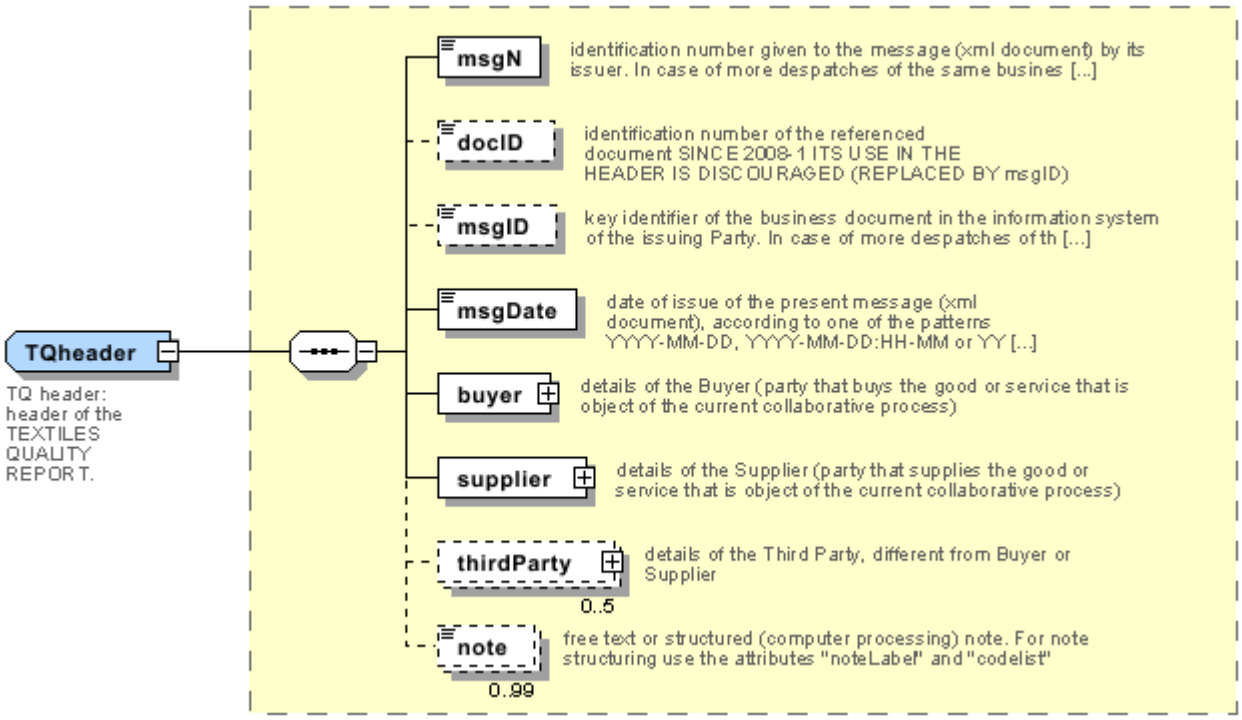
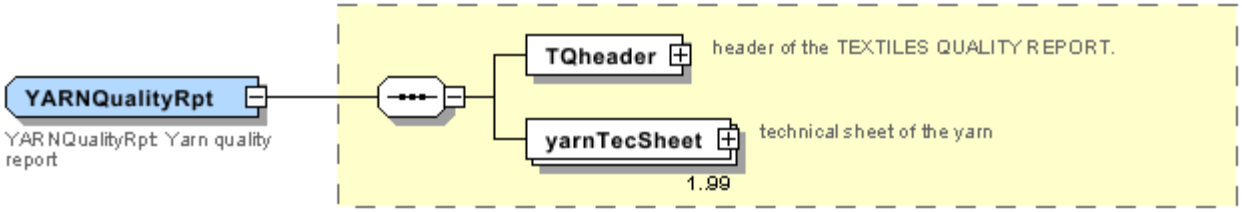
Annex A

Representative images of the principal complex elements' structure.






TQheader
TQ header: header of the TEXTILES QUALITY REPORT.
msgN
identification number given to the message (xml document) by its issuer. In case of more despatches of the same busines [...]
docID
identification number of the referenced document SINCE 2008-1 ITS USE IN THE HEADER IS DISCOURAGED (REPLACED BY msgID)
msgID
key identifier of the business document in the information system of the issuing Party. In case of more despatches of th [...]
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 YY [...]
buyer
details of the Buyer (party that buys the good or service that is object of the current collaborative process)
supplier
details of the Supplier (party that supplies the good or service that is object of the current collaborative process)
thirdParty
0..5
details of the Third Party, different from Buyer or Supplier
note
0..99
free text or structured (computer processing) note. For note structuring use the attributes "noteLabel" and "codelist"


YARNQualityRpt
YARNQualityRpt: Yarn quality report
TQheader
header of the TEXTILES QUALITY REPORT.
yarnTecSheet
1..99
technical sheet of the yarn

Annex B

NT100 - eBIZ TCFUpstream version

dictionary version

Agency name: eBIZ

tabella cod.: NT100
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT100.xml*

Code	Description	Adoption note	Date of insertion
2013-1	v2013-1		01/07/2013
2018-1	v2018-1		04/11/2018
draft	draft		08/09/2017

NT12 - data source

party who has provided the data

Agency name: eBIZ

tabella cod.: NT12
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT12.xml*

Code	Description	Adoption note	Date of insertion
AC	internal test		
CO	external test		
CV	test after steaming		

NT16 - VAT rate or code

VAT rate or code (DEPRECATED, use dtScheme element)

tabella cod.: NT16
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT16.xml*

NT18 - message function

function performed by the present message with regards to the transmission

Agency name: eBIZ

tabella cod.: NT18
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT18.xml*

Code	Description	Adoption note	Date of insertion
CA	delete this document		01/07/2013
CP	copy		
OR	original		
RC	re-transmission for data correction		
RT	re-transmission		

NT2 - third party qualifier

Third Party role qualifier

Agency name: eBIZ

tabella cod.: NT2
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT2.xml*

Code	Description	Adoption note	Date of insertion
AG	Sales Agent		
CO	Quality Controller		
DC	Response to		
DF	Invoicee		
DI	Copy to (CC)		28/10/2014
DM	Consignee		
DP	Consignment address (Delivery Party)		
IM	Importer		
OR	Originator		10/09/2014
SP	Forwarder		
TX	Tax Representative		

NT20 - price qualifier

type of price with reference to discount and taxes

Agency name: eBIZ

tabella cod.: NT20
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT20.xml*

Code	Description	Adoption note	Date of insertion
GET	gross excluding taxes		
GIT	gross including taxes		
NET	net excluding taxes		
NIT	net including taxes		

NT26 - color type

type of color to which a "color fastness" value refers

Agency name: eBIZ

tabella cod.: NT26
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT26.xml*

Code	Description	Adoption note	Date of insertion
D	dark		
L	light		
P	pastel		

NT29 - format of a date

format used for the date

Agency name: eBIZ

tabella cod.: NT29
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT29.xml*

Code	Description	Adoption note	Date of insertion
D	YYYY-MM-DD		
M	YYYY-MM-DD:HH-MM		
W	YYYY-WW		

NT31 - yarn family

yarn classification according to the manufacturing process

Agency name: eBIZ

tabella cod.: NT31
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT31.xml*

Code	Description	Adoption note	Date of insertion
CAN	carded		
EXT	extrusion		
FSE	dry-spun		
FUM	wet-spun		
OPE	open end		
PAN	combed		
REG	rigenerated		
SMP	half-combed		

NT6 - coding system owner/issuer

code specifying the organisation who has created or owns the coding or numbering system

Agency name: eBIZ

tabella cod.: NT6
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT6.xml*

Code	Description	Adoption note	Date of insertion
CL	Customer/buyer		
CO	Quality Controller		
EN	GS1 (ex-EAN International)		
ES	e-Stockflow		
FO	Supplier		
GS	GS1		01/07/2013
MF	VAT identifier		
ML	Moda-ML		
SP	Service Provider		

NT7 - unit of measure

specification of the unit of measure, it is a sub set of table Unit of Measure Code - UN/ECE REC 20 delivered by United Nations Economic Commission for Europe (UN/ECE)

Agency name: eBIZ / UN/ECE

tabella cod.: NT7
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT7.xml*
Other link: http://docs.oasis-open.org/ubl/os-UBL-2.1/cl/gc/default/UnitOfMeasureCode-2.1.gc#

Code	Description	Adoption note	Date of insertion
CMK	square centimetre		20/12/2017
CMQ	cubic centimetre		20/12/2017
CMT	centimetre		
CNE	centiNewton		
CO2TON	ton of CO2		10/09/2014
COUPLES	couples		
DMQ	cubic decimetre		
E37	pixel		11/04/2018
GRM	gram		
HUR	hour		
INH	inch		
KGM	kilogram		
KMT	kilometer		
KWH	kilowatthours		10/09/2014
LBR	pound		
MIN	minute		
MMK	centimetre		20/12/2017
MMK	square millimetre		20/12/2017
MTK	square metre		20/12/2017
MTQ	cubic metre		
MTR	metre		
NMB	numero		
ONZ	ounce		
P1	percent		
PPM	parts per milion		
PZ	piece		
RPM	rounds per metre		
YRD	yard		

T10 - ISO3166 - Country

code of the nation

Agency name: ISO

tabella cod.: T10
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T10.xml*

Table not printed: there are 239 elements, more than the maximum specified for printing: 99.

T15 - dye/print process type

dye process applied to the fabric

Agency name: eBIZ

tabella cod.: T15
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T15.xml*

Code	Description	Adoption note	Date of insertion
CP	cylinder printing		
DP	discharge printing		
FI	fibre dyed - spun dyed		
PC	piece dyed		
PR	printing		
SP	screen printing		
TP	top dyed		01/07/2013
YR	yarn dyed		

T16 - dyestuff type

dye stuff used in the fabric dye process

Agency name: eBIZ

tabella cod.: T16
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T16.xml*

Code	Description	Adoption note	Date of insertion
AC	chrome acid dyestuff		
AN	acid dyestuff		
CA	basic dyestuff		

DI	direct dyestuff		
DS	disperse dyestuff		
NP	naphtol dyestuff		
PI	pigment		01/07/2013
PM	premetallized dyestuff		
RE	reactive dyestuff		
SU	sulfur		01/07/2013

T19 - fibre type

type of fibre used in a textile product

Agency name: eBIZ

tabella cod.: T19
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T19.xml*

Code	Description	Adoption note	Date of insertion
AB	abaca		20/08/2018
AC	acetate		
AF	other fibres		
AG	alginic fibre		
AL	alfa		20/08/2018
CA	hemp		
CC	coir (coconut)		20/08/2018
CL	chlorofibre		
CO	cotton		
CU	cuprous		
EA	elastan		
EL	Elastodiene		20/08/2018
FL	fluorofibre		
GI	broom		20/08/2018
GL	textile glass		
HA	hair		20/08/2018
HE	henequen		20/08/2018
HL	mixed linen		
HL	cotton linen union		20/08/2018
JU	jute		

KE	kenaf		20/08/2018
KP	kapoc		20/08/2018
LI	linen		
LY	lyocell		20/08/2018
MA	modacrylic		
MD	modal		
ME	metallized		
MG	maguey		20/08/2018
PA	polyamide		
PB	polyureic		
PC	acrylic		
PE	polyethylene		
PI	paper		20/08/2018
PL	polyester		
PM	polyimide		
PP	polypropylene		
PR	proteic		
PU	polyurethane		
RA	mamie		20/08/2018
SE	silk		
SI	sisal		20/08/2018
SN	sun		20/08/2018
TA	triacetate		
TR	textile residues or unspecifled composition		20/08/2018
TV	trivinyl		
VI	viscose		
VY	vinylal		
WA	angora		
WB	beaver		20/08/2018
WC	cashgora		
WG	vicuna		
WK	camel		
WL	llama		
WM	mohair		
WN	lapin		20/08/2018

WO	wool		
WP	alpaca		
WS	cashmere		
WT	Oteer		20/08/2018
WU	guanaco		
WV	virgin wool		
WY	yack		

T201 - type of job on yarn

operation of a work cycle for yarn

Agency name: eBIZ

tabella cod.: T201
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T201.xml*

Code	Description	Adoption note	Date of insertion
08	to re-comb		
09	to prepare		
10	to card		
11	to spin		
12	to steam		
13	to wind		
14	doubling		
15	to twist		
16	to unwind		
17	to singe		
18	to raise		
19	to reel		
20	to re-wind		
21	to shrink		
22	to coat		
23	to garnett		
24	to print		
25	to dye		
26	to boil		
27	to scour		

28	to dry		
99	other, see note if any		01/07/2013

T21 - type of document

type or class to which the referenced document belongs

Agency name: eBIZ

tabella cod.: T21
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T21.xml*

Code	Description	Adoption note	Date of insertion
BOR	blanket order		01/02/2018
CAT	Price catalogue - tech sheet		
CEO	Certificate of origin		13/04/2018
CER	Certificate		13/04/2018
COC	colour card		
CRN	Credit note		08/09/2017
CTO	Checking order		01/07/2013
CTR	Contract		
CXF	CxF3 file		01/07/2013
DAD	Darn order		
DDT	ddt		
DEA	Despatch advise		
DER	Despatch request		
DR	Document Request		02/12/2014
FOR	Forecast		02/12/2014
GSO	Garment stock offer		
GSX	Garment stock offer change		
INV	Invoice		
KCC	Knitting-Clothing Commission Order		02/12/2014
KCI	Garment in Work Inventory Report		02/12/2014
M2M	Made to Measure Production Order		02/12/2014
MAS	Master marker		
MCI	Visual merchandising instruction		13/04/2018
OCH	Order change		
OFF	Offer		

ORD	Purchase order		
ORP	Order response		
OSR	order status request		
OSS	Offer status		02/12/2014
OST	Order status		
OUR	our reference		
QR	Quality Report		02/12/2014
RAI	Raw Material in Work Inventory Report		02/12/2014
RDC	Raw dyeing commission order		
RDH	Raw dyeing order change		
RDR	Raw dyeing order response		
REA	Receiving advise		
REQ	Request for Offer		
RET	Return		02/12/2014
RSC	Spinning commission order		
RSH	Spinning order change		
RSR	Spinning order response		
SCL	process sheet		
TFC	Textile dyeing-finishing commission order		
TFX	Textile Dyeing-Finishing Order Change		02/12/2014
TPC	Textile printing commission order		
TPX	Textile Printing Order Change		02/12/2014
TWI	Textile in work inventory		
VMI	visual merchandising instructions		01/02/2018
WAC	Warping commission order		
WEC	Weaving commission order		
YDC	Yarn dyeing commission order		
YDH	Yarn dyeing order change		
YDR	Yarn dyeing order response		
YTC	Twisting commission order		
YWI	Yarn in work inventory		

T29 - type of yarn package

type of package (roll-up) used for a yarn product

Agency name: eBIZ

tabella cod.: T29
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T29.xml*

Code	Description	Adoption note	Date of insertion
CIL	bobbin		
CON	cone		
HNK	hank, skein		01/07/2013
MUF	muff, cake		01/07/2013
SPL	spool		
TUB	tube		
XCO	supercone		

T44 - additional code type

qualifier of the additional coding of a product

Agency name: eBIZ

tabella cod.: T44
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T44.xml*

Code	Description	Adoption note	Date of insertion
CC	colour card		
CL	sales collection		
CO	company identification code		08/09/2017
DY	dye number		
LT	lot number		
MDI	Made in		08/09/2017
MS	manufacturing state		
PKG	packaging		09/09/2014
PL	product line		
RGB	RGB value		
SE	selvedge code		

T54 - kind of yarn

general type of yarn

Agency name: eBIZ

tabella cod.: T54
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T54.xml*

Code	Description	Adoption note	Date of insertion
01	Spun yarn (Staple yarn)		
02	Worsted		
03	Woollen		
04	Carded		01/07/2013
05	Combed		01/07/2013
06	Flax-spun		01/07/2013
07	Rotor spun		01/07/2013
08	Air jet spun		01/07/2013
09	Fancy yarn		01/07/2013
10	Filament yarn - Flat		01/07/2013
11	Zero twist		01/07/2013
12	Twisted		01/07/2013
13	Crêpe		01/07/2013
14	Textured yarn		01/07/2013
15	False Twist – FT (also stretch)		01/07/2013
16	False Twist, Fixed – FTF (also bulked)		01/07/2013
17	Air textured		01/07/2013
18	Elastic yarn (also Elastomeric yarn)		01/07/2013
19	Single covered yarn		01/07/2013
20	Double covered yarn		01/07/2013
21	Air covered yarn		01/07/2013
22	Core-spun		01/07/2013

T55 - count system

yarn count system

Agency name: eBIZ

tabella cod.: T55
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T55.xml*

Code	Description	Adoption note	Date of insertion

DEN	denier		
DTX	decitex		
NEC	english cotton		
NEJ	english jute/hemp/flax		
NEW	english wool		
NM	metric		
TEX	tex		

T56 - kind of yarn ply

kind of yarn's ply

Agency name: eBIZ

tabella cod.: T56
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T56.xml*

Code	Description	Adoption note	Date of insertion
CS	single yarn		
FA	fancy yarn		01/07/2013
RC	ply combination yarn		
RS	ply yarn		

T57 - color fastness test for yarn

color fastness test for a yarn

tabella cod.: T57
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T57.xml*

Code	Description	Adoption note	Date of insertion
01	to decatizingal (UNI EN ISO 105-E10:98)		01/07/2013
02	to bleaching: peroxide (UNI EN ISO 105-N02:97)		01/07/2013
03	to bleaching: hypochlorite (UNI EN 20105-N01:97)		01/07/2013
04	to spotting: acid (UNI EN ISO 105-E05:99)		01/07/2013
05	to spotting: alkali (UNI EN ISO 105-E06:99)		01/07/2013
06	to mercerizing (UNI EN ISO 105-X04:99)		01/07/2013
07	to soda boiling (UNI EN ISO 105-X06:99)		01/07/2013
08	to degumming (UNI EN ISO 105-X08:99)		01/07/2013

09	to domestic laundering (UNI EN ISO 105-C06:99)		01/07/2013
10	to carbonizing: sulfuric acid (UNI EN ISO 105-X02:98)		01/07/2013
11	to acid chlorination (UNI 5145:88)		01/07/2013
12	to chlorination: Na dichloroisocyanurate (EN ISO 105-X14:99)		01/07/2013
13	to alkaline milling (UNI EN ISO 105-E12:99)		01/07/2013
14	to acid-felting: mild (UNI EN ISO 105-E14:98)		01/07/2013
15	to dry heat (UNI EN ISO 105-P01:97)		01/07/2013

T58 - yarn quality parameters

parameter related to the quality of yarn

Agency name: eBIZ

tabella cod.: T58
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T58.xml*

Code	Description	Adoption note	Date of insertion
01	actual count		01/07/2013
02	elongation % at break (UNI-EN-ISO 2062:97)		01/07/2013
03	breaking force (UNI-EN-ISO 2062:97)		01/07/2013
04	tenacity (specific stress) - cN/tex or RKM (UNI-EN-ISO 2062:97)		01/07/2013
05	unevenness - CV USTER		01/07/2013
06	unevenness - thick spots		01/07/2013
07	unevenness - thin spots		01/07/2013
08	unevenness - neps		01/07/2013
09	hairiness		01/07/2013
10	pilling (UNI-EN-ISO 12945-01:2002)		01/07/2013
11	coefficient of friction		01/07/2013
12	delta E CIELab (UNI 8941:87)		01/07/2013

T59 - CIE illuminant

CIE light source

tabella cod.: T59
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T59.xml*

Code	Description	Adoption note	Date of insertion

A	home tungsten CCT 2856K°		01/07/2013
C	daylight CCT 6774K°		01/07/2013
D50	daylight CCT 5003Kà		01/07/2013
D65	solar standard CCT 6504K°		01/07/2013
F11	fluorescent narrow band CCT 4000K° (TL84)		01/07/2013
F2	cold white fluorescent CCT 4230K°		01/07/2013
F7	fluorescent broad band CCT 6500K°		01/07/2013

T60 - CIE standard observer

CIE average chromatic response definition

tabella cod.: T60
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T60.xml*

Code	Description	Adoption note	Date of insertion
31	CIE-1931		01/07/2013
64	CIE-1964		01/07/2013

T9 - ISO4217 - Currency

currency code

Agency name: ISO

tabella cod.: T9
File codes list (Generic code): *http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T9.xml*

Table not printed: there are 205 elements, more than the maximum specified for printing: 99.