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IMPLEMENTATION GUIDE  
TRANSACTION "RAW MATERIAL DYEING  
REQUEST"

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XML Schema repository:<http://www.moda-ml.org/moda-ml/repository/schema/v2013-1/default.asp>

Guides repository:<http://www.moda-ml.org/moda-ml/repository/guide/v2013-1/default.asp>

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# 1. BUSINESS DESCRIPTION

## 1.1 Scope

The present guide has been issued to assist the companies of the Textile-Clothing sector in the implementation of the standard XML document type "RAW MATERIAL DYEING REQUEST", providing all the instruction required for its use in the context of e-commerce between Subcontractors and their Customers shown in the enclosed diagram

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

## 1.2 Generalities

The Request is used by a Yarn Producer to request from a Subcontractor an Offer for the dyeing of a raw material.

The Request is structured in four levels:

Macro-type of Work Requested = document root (7 types of Request)

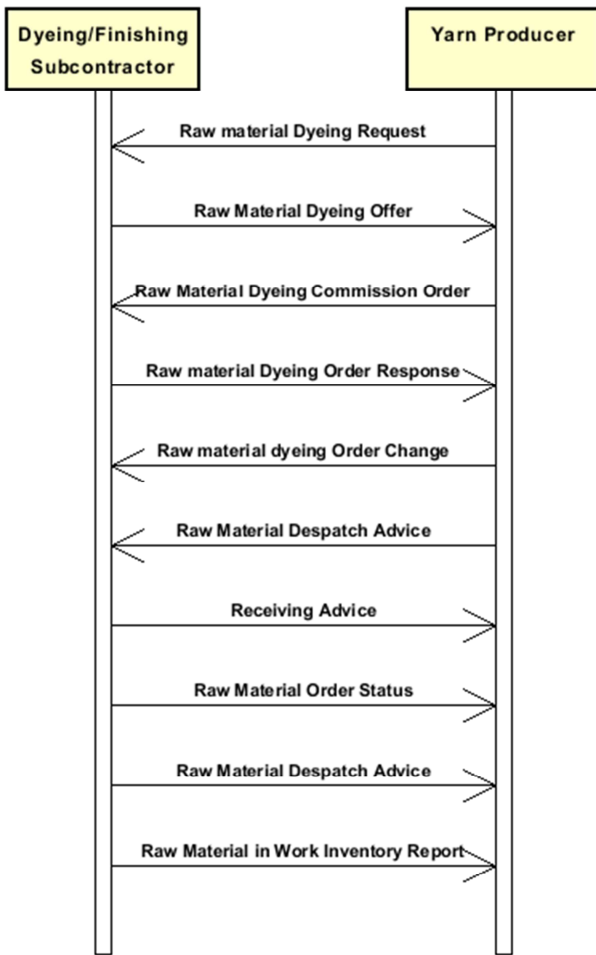
Product Family = document qualifier (type of product with reference to the manufacturing process; e.g.: combed yarn, jacquard weaved fabric, ..)

Product Specifications = "xxxSpecs" (technical characteristics and properties of the product)

Operations requested 0 "XXXMnfrOperation" (details of the works requested)

Quantities, unit measures and prices must be referred to the third level (Line Item)

## 1.3. Possible scenario



## 2. IMPLEMENTATION GUIDE

### 2.1 General structure of XML document

All the business data that can be exchanged through this class of documents are shown in the following "document structure", that provides a simplified vision of the Schema.

In particular:

- the two numbers following each element define its "cardinality" (minimum and maximum number of occurrences); the minimum equal zero indicates that the element is optional, the minimum greater than zero indicates that is mandatory;
- the bold character denotes the complex elements (aggregates of simple elements) that were built for the sake of functionality and re-usability of some complex informations sets. The child elements in each parent element are easily spotted as "indented";
- the symbol "@" denotes an attribute of the preceding element; here "the usage indicator (optional, required, ...)" is shown in square brackets.

### Structure

#### **RAWDyeRequest**

*@msgfunction [Optional] [Default= OR]*

*@rawProcQualifier [Required]*

*@version [Optional] [Default= 2013-1]*

*@useProfile [Optional]*

#### **| RQheader 1-1**

| | msgN 1-1

| | - choose -

| | | msgID 0-1

| | - or -

| | | docID 0-1

| | | *@numberingOrg [Optional]*

| | - end choose -

| | msgDate 1-1

| | *@dateForm [Optional]*

| | season 0-1

| | validityStart 0-1

| | *@dateForm [Optional]*

| | validityEnd 1-1

| | *@dateForm [Optional]*

#### **| refDoc 0-9**

| | *@docType [Required]*

| | | docID 1-2

| | | *@numberingOrg [Optional]*

| | | docDate 0-1

| | | *@dateForm [Optional]*

| | | season 0-1

| | | itemID 0-1

#### **| buyer 1-1**

| | *@logo [Optional]*

| | *@sender [Optional]*

| | | id 1-1

| | | *@numberingOrg [Optional]*

| | | legalName 0-1

| | | dept 0-1

| | | person 0-1

| | | *@email [Optional]*

| | | *@phone [Optional]*

| | | *@fax [Optional]*

- | | street 0-1
- | | city 0-1
- | | subCountry 0-1
- | | country 0-1
- | | postCode 0-1
- choose -
- | | **supplier 1-1**
- | | @logo [Optional]
- | | @sender [Optional]
- | | id 1-1
- | | @numberingOrg [Optional]
- | | legalName 0-1
- | | dept 0-1
- | | person 0-1
- | | @email [Optional]
- | | @phone [Optional]
- | | @fax [Optional]
- | | street 0-1
- | | city 0-1
- | | subCountry 0-1
- | | country 0-1
- | | postCode 0-1

- or -

- | | **subContractor 1-1**
- | | @sender [Optional]
- | | id 1-1
- | | @numberingOrg [Optional]
- | | legalName 0-1
- | | dept 0-1
- | | person 0-1
- | | @email [Optional]
- | | @phone [Optional]
- | | @fax [Optional]
- | | street 0-1
- | | city 0-1
- | | subCountry 0-1
- | | country 0-1
- | | postCode 0-1

- end choose -

- | | note 0-19
- | | @numberingOrg [Optional]
- | | @codeList [Optional]
- | | @noteLabel [Optional]

| **terms 0-1**

- | | **payment 0-5**
- | | @finDiscount [Optional]
- | | @finSurcharge [Optional]

- choose -

- | | | payTerm 1-1
- | | - or -
- | | | payTermText 1-1
- | | - end choose -

- | | | payMode 0-1

- | | **insPayment 0-5**
- | | @part [Required]

- choose -

- | | | payTerm 1-1
- | | - or -
- | | | payTermText 1-1
- | | - end choose -

```

| | | payMode 0-1
| | trade 0-1
| | - choose -
| | | incoTermText 1-1
| | - or -
| | | incoTerm 1-1
| | - end choose -
| | | location 0-1
| | | @LRI [Optional]
| | transInfo 0-1
| | @transReason [Optional]
| | | transMode 1-1
| | | carrier 0-1
| | | deliveryPlace 0-1
| | | grossWeight 0-1
| | | @um [Required]
| | | netWeight 0-1
| | | @um [Required]
| | | transMeans 0-1
| | | transCondition 0-3
| | | transConditionText 0-1
| | allowanceCharge 0-9
| | @VAT [Optional]
| | - choose -
| | | AC_category 1-1
| | - or -
| | | AC_categoryText 1-1
| | - choose -
| | | AC_percent 1-1
| | - or -
| | | AC_amount 1-1
| | - end choose -
| | | dtScheme 0-1
| | | @taxType [Required]
| | | | taxCategory 0-1
| | | | taxRate 0-1
| | | | legalRef 0-1
| | | | @codeList [Required]
| | | | note 0-19
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @noteLabel [Optional]

```

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| RDRQbody 1-1
| | RDRQitem 1-unbounded
| | | lineN 1-1
| | | @VAT [Optional]
| | | rawSpecs 0-9
| | | - choose -
| | | | rawCharText 1-1
| | | - or -
| | | | rawChar 1-1
| | | - end choose -
| | | | specValue 0-1
| | | | @um [Optional]
| | | | @source [Optional]
| | | | @method [Optional]
| | | | @application [Optional]
| | | | @CV [Optional]
| | | - choose -
| | | | pcTolerance 0-2

```

```

| | | | @um [Optional]
| | | | - or -
| | | | tolerance 0-2
| | | | @um [Required]
| | | | - end choose -
| | | | qty 1-2
| | | | @um [Required]
| | | | deliveryDate 1-1
| | | | @dateForm [Optional]
| | | | notBeforeDate 0-1
| | | | @dateForm [Optional]
| | | | thirdParty 0-1
| | | | @VAT [Optional]
| | | | @role [Required]
| | | | @sender [Optional]
| | | | | id 1-1
| | | | | @numberingOrg [Optional]
| | | | | legalName 0-1
| | | | | dept 0-1
| | | | | person 0-1
| | | | | @email [Optional]
| | | | | @phone [Optional]
| | | | | @fax [Optional]
| | | | | street 0-1
| | | | | city 0-1
| | | | | subCountry 0-1
| | | | | country 0-1
| | | | | postCode 0-1
| | | | rawMnfrOperation 1-9
| | | | - choose -
| | | | | rawJob 1-1
| | | | | - or -
| | | | | jobName 1-1
| | | | | - end choose -
| | | | refDoc 0-1
| | | | @docType [Required]
| | | | | docID 1-2
| | | | | | @numberingOrg [Optional]
| | | | | docDate 0-1
| | | | | | @dateForm [Optional]
| | | | | season 0-1
| | | | | itemID 0-1
| | | | note 0-19
| | | | | @numberingOrg [Optional]
| | | | | @codeList [Optional]
| | | | | @noteLabel [Optional]
| | | | note 0-19
| | | | | @numberingOrg [Optional]
| | | | | @codeList [Optional]
| | | | | @noteLabel [Optional]

```

## 2.2 Detailed description of document elements

Following tables show all elements (complex and simple) used in this document. Description includes: 1) element's information: xml tag, name, brief description, data type and syntax constraints; 2) information about use of the element in a particular position in the document: xpath and possible associated notes.

### 2.2.1 Complex elements (Aggregate Business Information Entities)

Complex elements are those elements whose content is composed of other elements (childs).Complex elements are alphabetically ordered.

<b>allowanceCharge</b>	Allowances and Charges related to an Order or a contract (XPath: RAWDyeRequest/terms/allowanceCharge) 0-9
<b>buyer</b>	details of the Buyer - base type: Nad, (XPath: RAWDyeRequest/RQheader/buyer) 1-1
<b>dtScheme</b>	set of data usable to declare the duty or tax applied (XPath: RAWDyeRequest/terms/allowanceCharge/dtScheme) 0-1
<b>insPayment</b>	payment details for payment by installments (XPath: RAWDyeRequest/terms/insPayment) 0-5 - note: <i>excluded the case of offers, this set of data is alternative to payment set and must be iterated for each payment installment</i>
<b>payment</b>	payment details for payment all in one (XPath: RAWDyeRequest/terms/payment) 0-5 - note: <i>excluded the case of offers, this set of data is alternative to insPayment, it can be iterated to specify alternative terms of payment (e.g.: 60 days or 30 days with 3% discount)</i>
<b>rawMnfrOperation</b>	details of a manufacturing operation on raw material used for manufacturing a yarn product (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation) 1-9
<b>rawSpecs</b>	technical characteristics of a raw material linked to an operation of the sub-contracted production of yarn or to the purchas of yarn (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs) 0-9
<b>RDRQbody</b>	body of the document REQUEST FOR DYEING OF RAW MATERIAL (XPath: RAWDyeRequest/RDRQbody) 1-1
<b>RDRQitem</b>	line of the document REQUEST FOR DYEING OF RAW MATERIAL (XPath: RAWDyeRequest/RDRQbody/RDRQitem) 1-unbounded
<b>refDoc</b>	identification of a document and of an item thereof, to which the message makes reference (XPath: RAWDyeRequest/RQheader/refDoc) 0-9 (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/refDoc) 0-1
<b>RQheader</b>	header of the document REQUEST FOR OFFER



	(XPath: RAWDyeRequest/RQheader) 1-1
<b>subContractor</b>	details of the Sub-contractor - base type: Nad, (XPath: RAWDyeRequest/RQheader/subContractor) 1-1
<b>supplier</b>	details of the Supplier - base type: Nad, (XPath: RAWDyeRequest/RQheader/supplier) 1-1
<b>terms</b>	details of the commercial obligations for payment and delivery (XPath: RAWDyeRequest/terms) 0-1
<b>thirdParty</b>	details of the Third Party, different from Buyer or Supplier - base type: Nad, (XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty) 0-1
<b>trade</b>	general terms of trade for the specified supply (XPath: RAWDyeRequest/terms/trade) 0-1
<b>transInfo</b>	details of transport: mode, carrier and delivery place (XPath: RAWDyeRequest/terms/transInfo) 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.

AC_amount	amount of an Allowance or Charge - base type: decimal, fraction digits: 2, (XPath: RAWDyeRequest/terms/allowanceCharge/AC_amount) 1-1
AC_category	coded specification of an Allowance or Charge - base type: string, cod. table: T41 <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T41.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T41.xml</a> (XPath: RAWDyeRequest/terms/allowanceCharge/AC_category) 1-1
AC_categoryText	free text description of an Allowance or Charge - base type: string, max length: 70, (XPath: RAWDyeRequest/terms/allowanceCharge/AC_categoryText) 1-1
AC_percent	amount of an Allowance or Charge as a percentage - base type: decimal, max inclusive: 100, fraction digits: 2, (XPath: RAWDyeRequest/terms/allowanceCharge/AC_percent) 1-1
@application	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: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs/specValue/@application) [Optional]
carrier	identification of the transport carrier - base type: string, max length: 40, (XPath: RAWDyeRequest/terms/transInfo/carrier) 0-1
city	name of the city (town, village) - base type: string, max length: 40, (XPath: RAWDyeRequest/RQheader/buyer/city) 0-1 (XPath: RAWDyeRequest/RQheader/subContractor/city) 0-1 (XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/city) 0-1 (XPath: RAWDyeRequest/RQheader/supplier/city) 0-1

@codeList	<p>it specifies the URL where the list of codes used to make an instance of the element can be found</p> <ul style="list-style-type: none"> <li>- base type: string, max length: 255, (XPath: RAWDyeRequest/RDRQbody/RDRQitem/note/@codeList) [Optional]</li> <li>- nota: <i>must be used to provide (URL) the list of codes used in "noteLabel"</i> (XPath: RAWDyeRequest/RQheader/note/@codeList) [Optional]</li> <li>- nota: <i>must be used to provide (URL) the list of codes used in "noteLabel"</i> (XPath: RAWDyeRequest/terms/allowanceCharge/dtScheme/legalRef/@codeList) [Required]</li> <li>(XPath: RAWDyeRequest/terms/allowanceCharge/dtScheme/note/@codeList) [Optional]</li> <li>- nota: <i>must be used to provide (URL) the list of codes used in "noteLabel"</i> (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/note/@codeList) [Optional]</li> <li>- nota: <i>must be used to provide (URL) the list of codes used in "noteLabel"</i></li> </ul>
country	<p>code of the nation</p> <ul style="list-style-type: none"> <li>- base type: string, cod. table: T10 <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T10.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T10.xml</a> (XPath: RAWDyeRequest/RQheader/subContractor/country) 0-1 (XPath: RAWDyeRequest/RQheader/buyer/country) 0-1 (XPath: RAWDyeRequest/RQheader/supplier/country) 0-1 (XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/country) 0-1</li> </ul>
@CV	<p>coefficient of variation (CV) of a measurement</p> <ul style="list-style-type: none"> <li>- base type: decimal, (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs/specValue/@CV) [Optional]</li> </ul>
@dateForm	<p>format used for the date</p> <ul style="list-style-type: none"> <li>- base type: string, cod. table: NT29 <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT29.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT29.xml</a> (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/refDoc/docDate/@dateForm) [Optional]</li> <li>(XPath: RAWDyeRequest/RQheader/refDoc/docDate/@dateForm) [Optional]</li> <li>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/notBeforeDate/@dateForm) [Optional]</li> <li>(XPath: RAWDyeRequest/RQheader/validityStart/@dateForm) [Optional]</li> <li>(XPath: RAWDyeRequest/RQheader/validityEnd/@dateForm) [Optional]</li> <li>(XPath: RAWDyeRequest/RQheader/msgDate/@dateForm) [Optional]</li> <li>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/deliveryDate/@dateForm) [Optional]</li> </ul>
deliveryDate	<p>date of delivery of goods, requested or promised in the purchase process, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW.</p> <ul style="list-style-type: none"> <li>- base type: string, (XPath: RAWDyeRequest/RDRQbody/RDRQitem/deliveryDate) 1-1</li> </ul>
deliveryPlace	<p>place of delivery of goods, ultimate or related to a given leg</p> <ul style="list-style-type: none"> <li>- base type: string, max length: 40, (XPath: RAWDyeRequest/terms/transInfo/deliveryPlace) 0-1</li> </ul>
dept	<p>name or code of a contact department within a Party</p> <ul style="list-style-type: none"> <li>- base type: string, max length: 40, (XPath: RAWDyeRequest/RQheader/buyer/dept) 0-1 (XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/dept) 0-1 (XPath: RAWDyeRequest/RQheader/subContractor/dept) 0-1 (XPath: RAWDyeRequest/RQheader/supplier/dept) 0-1</li> </ul>

docDate	<p>date of issue of the referenced document, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW.</p> <p>- base type: string,</p> <p>(XPath: RAWDyeRequest/RQheader/refDoc/docDate) 0-1  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/refDoc/docDate) 0-1</p>
docID	<p>identification number of the referenced document SINCE 2008-1 ITS USE IN THE HEADER IS DISCOURAGED (REPLACED BY msgID)</p> <p>- base type: string, max length: 80,</p> <p>(XPath: RAWDyeRequest/RQheader/refDoc/docID) 1-2  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/refDoc/docID) 1-2  (XPath: RAWDyeRequest/RQheader/docID) 0-1</p>
@docType	<p>type or class to which the referenced document belongs</p> <p>- base type: string, cod. table: T21  <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T21.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T21.xml</a></p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/refDoc/@docType) [Required]  (XPath: RAWDyeRequest/RQheader/refDoc/@docType) [Required]</p>
@email	<p>electronic mail address of the contact person within a Party</p> <p>- base type: string, max length: 80,</p> <p>(XPath: RAWDyeRequest/RQheader/subContractor/person/@email) [Optional]  (XPath: RAWDyeRequest/RQheader/buyer/person/@email) [Optional]  (XPath: RAWDyeRequest/RQheader/supplier/person/@email) [Optional]  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/person/@email) [Optional]</p>
@fax	<p>fax number of the contact person within a Party</p> <p>- base type: string, max length: 35,</p> <p>(XPath: RAWDyeRequest/RQheader/supplier/person/@fax) [Optional]  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/person/@fax) [Optional]  (XPath: RAWDyeRequest/RQheader/buyer/person/@fax) [Optional]  (XPath: RAWDyeRequest/RQheader/subContractor/person/@fax) [Optional]</p>
@finDiscount	<p>financial discount applied for payment by the date specified</p> <p>- base type: decimal, min inclusive: 0, max inclusive: 100, fraction digits: 2,</p> <p>(XPath: RAWDyeRequest/terms/payment/@finDiscount) [Optional]</p>
@finSurcharge	<p>financial surcharge applied for payment after the date specified</p> <p>- base type: decimal, min inclusive: 0, max inclusive: 100, fraction digits: 2,</p> <p>(XPath: RAWDyeRequest/terms/payment/@finSurcharge) [Optional]</p>
grossWeight	<p>the gross weight of the overall goods supply, declared for transport or customs purpose</p> <p>- base type: decimal, min inclusive: 0, fraction digits: 2,</p> <p>(XPath: RAWDyeRequest/terms/transInfo/grossWeight) 0-1</p>
id	<p>primary identification code of a Party; it is recommended the format: nation code (ISO 3166) + VAT identification number (11 crt), with the qualifier "numberingOrg"= MF</p> <p>- base type: string, max length: 15,</p> <p>(XPath: RAWDyeRequest/RQheader/supplier/id) 1-1  (XPath: RAWDyeRequest/RQheader/subContractor/id) 1-1  (XPath: RAWDyeRequest/RQheader/buyer/id) 1-1  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/id) 1-1</p>
incoTerm	<p>specification of the terms of trade (INCOTERMS)</p> <p>- base type: string, cod. table: T3  <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T3.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T3.xml</a></p> <p>(XPath: RAWDyeRequest/terms/trade/incoTerm) 1-1</p>

incoTermText	free text specifying the terms of trade (incoterm, location) - base type: string, max length: 70, (XPath: RAWDyeRequest/terms/trade/incoTermText) 1-1
itemID	number of the line/item of the referenced document - base type: string, max length: 6, (XPath: RAWDyeRequest/RQheader/refDoc/itemID) 0-1 (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/ refDoc/itemID) 0-1
jobName	description of the elementary job - base type: string, max length: 40, (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/jobName) 1-1
legalName	legal name of a Party - base type: string, max length: 80, (XPath: RAWDyeRequest/RQheader/supplier/legalName) 0-1 (XPath: RAWDyeRequest/RQheader/subContractor/legalName) 0-1 (XPath: RAWDyeRequest/RQheader/buyer/legalName) 0-1 (XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/legalName) 0-1
legalRef	legal reference of the duty or tax or fee category - base type: string, (XPath: RAWDyeRequest/terms/allowanceCharge/dtScheme/legalRef) 0-1
lineN	number of the line item of the present message (xml document) - base type: positiveInteger, min inclusive: 1, max inclusive: 9999, (XPath: RAWDyeRequest/RDRQbody/RDRQitem/lineN) 1-1
location	specification of a location - base type: string, max length: 40, (XPath: RAWDyeRequest/terms/trade/location) 0-1 - note: <i>place to which the INCOTERM applies</i>
@logo	company logo (URL of the image jpeg or gif). It is recommended that the width of the image does not exceed 640 pixel. - base type: string, max length: 255, (XPath: RAWDyeRequest/RQheader/buyer/@logo) [Optional] (XPath: RAWDyeRequest/RQheader/supplier/@logo) [Optional]
@LRI	attribute usable to format a string according to a customized User rule (local rule) - base type: string, cod. table: NT3 <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT3.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT3.xml</a> (XPath: RAWDyeRequest/terms/trade/location/@LRI) [Optional]
@method	standard protocol or method employed in a test to evaluate a characteristic or a parameter - base type: string, max length: 25, (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs/specValue/@method) [Optional]
msgDate	date of issue of the present message (xml document), according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string, (XPath: RAWDyeRequest/RQheader/msgDate) 1-1
@msgfunction	function performed by the present message with regards to the transmission - base type: string, cod. table: NT18 <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT18.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT18.xml</a> (XPath: RAWDyeRequest/@msgfunction) [Optional] [Default= OR]
msgID	key identifier of the document in the information system of the issuing

	<p>Party</p> <ul style="list-style-type: none"> <li>- base type: string, max length: 35,</li> </ul> <p>(XPath: RAWDyeRequest/RQheader/msgID) 0-1</p>
msgN	<p>identification number given to the message (xml document) by its issuer</p> <ul style="list-style-type: none"> <li>- base type: string, max length: 35,</li> </ul> <p>(XPath: RAWDyeRequest/RQheader/msgN) 1-1</p>
netWeight	<p>the net weight of the overall goods supply, declared for transport or customs purpose</p> <ul style="list-style-type: none"> <li>- base type: decimal, min inclusive: 0, fraction digits: 2,</li> </ul> <p>(XPath: RAWDyeRequest/terms/transInfo/netWeight) 0-1</p>
notBeforeDate	<p>earliest date possible to begin an activity, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW.</p> <ul style="list-style-type: none"> <li>- base type: string,</li> </ul> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/notBeforeDate) 0-1</p>
note	<p>free text or structured (computer processing) note. For note structuring use the attributes "noteLabel" and "codelist"</p> <ul style="list-style-type: none"> <li>- base type: string, max length: 350,</li> </ul> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/note) 0-19  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/note) 0-19  (XPath: RAWDyeRequest/terms/allowanceCharge/dtScheme/note) 0-19  (XPath: RAWDyeRequest/RQheader/note) 0-19</p>
@noteLabel	<p>subject qualifier of a note</p> <ul style="list-style-type: none"> <li>- base type: string, max length: 35,</li> </ul> <p>(XPath: RAWDyeRequest/terms/allowanceCharge/dtScheme/note/@noteLabel) [Optional]</p> <ul style="list-style-type: none"> <li>- nota: <i>must be used to qualify the subject of the note</i> (XPath: RAWDyeRequest/RQheader/note/@noteLabel) [Optional]</li> <li>- nota: <i>must be used to qualify the subject of the note</i> (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/note/@noteLabel) [Optional]</li> <li>- nota: <i>must be used to qualify the subject of the note</i> (XPath: RAWDyeRequest/RDRQbody/RDRQitem/note/@noteLabel) [Optional]</li> <li>- nota: <i>must be used to qualify the subject of the note</i></li> </ul>
@numberingOrg	<p>code specifying the organisation who has created or owns the coding or numbering system</p> <ul style="list-style-type: none"> <li>- base type: string, cod. table: NT6</li> </ul> <p><a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT6.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT6.xml</a></p> <p>(XPath: RAWDyeRequest/RQheader/buyer/id/@numberingOrg) [Optional]  (XPath: RAWDyeRequest/RQheader/supplier/id/@numberingOrg) [Optional]  (XPath: RAWDyeRequest/RQheader/refDoc/docID/@numberingOrg) [Optional]</p> <ul style="list-style-type: none"> <li>- nota: <i>here can be specified whose document numbering is used (e.g.: Client, Supplier, ..)</i> (XPath: RAWDyeRequest/terms/allowanceCharge/dtScheme/note/@numberingOrg) [Optional]  (XPath: RAWDyeRequest/RQheader/note/@numberingOrg) [Optional]  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/note/@numberingOrg) [Optional]</li> <li>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/id/@numberingOrg) [Optional]  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/note/@numberingOrg) [Optional]</li> <li>(XPath: RAWDyeRequest/RQheader/subContractor/id/@numberingOrg) [Optional]</li> </ul>

	<p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/refDoc/docID/@numberingOrg) [Optional]</p> <p>- nota: <i>here can be specified whose document numbering is used (e.g.: Client, Supplier, ..)</i></p> <p>(XPath: RAWDyeRequest/RQheader/docID/@numberingOrg) [Optional]</p> <p>- nota: <i>here can be specified whose document numbering is used (e.g.: Client, Supplier, ..)</i></p>
@part	<p>percent fraction of a total payment</p> <p>- base type: decimal, min inclusive: 1, max inclusive: 99, fraction digits: 2,</p> <p>(XPath: RAWDyeRequest/terms/insPayment/@part) [Required]</p> <p>- nota: <i>here the % value of each installment must be indicated</i></p>
payMode	<p>way or means of payment</p> <p>- base type: string, cod. table: T2</p> <p><a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T2.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T2.xml</a></p> <p>(XPath: RAWDyeRequest/terms/insPayment/payMode) 0-1</p> <p>(XPath: RAWDyeRequest/terms/payment/payMode) 0-1</p>
payTerm	<p>code specifying the terms or time by which the payment must be done</p> <p>- base type: string, cod. table: T1</p> <p><a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T1.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T1.xml</a></p> <p>(XPath: RAWDyeRequest/terms/payment/payTerm) 1-1</p> <p>(XPath: RAWDyeRequest/terms/insPayment/payTerm) 1-1</p>
payTermText	<p>free text specifying the terms by which the payment must be done (time/mode or means)</p> <p>- base type: string, max length: 40,</p> <p>(XPath: RAWDyeRequest/terms/insPayment/payTermText) 1-1</p> <p>(XPath: RAWDyeRequest/terms/payment/payTermText) 1-1</p>
pcTolerance	<p>percent deviation tolerated on the value of a measurement (it must have a plus or minus sign)</p> <p>- base type: decimal, min inclusive: 0, max inclusive: 100, total digits: 2,</p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs/pcTolerance) 0-2</p>
person	<p>name of the contact person within a Party</p> <p>- base type: string, max length: 40,</p> <p>(XPath: RAWDyeRequest/RQheader/buyer/person) 0-1</p> <p>(XPath: RAWDyeRequest/RQheader/supplier/person) 0-1</p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/person) 0-1</p> <p>(XPath: RAWDyeRequest/RQheader/subContractor/person) 0-1</p>
@phone	<p>phone number of the contact person within a Party</p> <p>- base type: string, max length: 35,</p> <p>(XPath: RAWDyeRequest/RQheader/buyer/person/@phone) [Optional]</p> <p>(XPath: RAWDyeRequest/RQheader/supplier/person/@phone) [Optional]</p> <p>(XPath: RAWDyeRequest/RQheader/subContractor/person/@phone) [Optional]</p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/person/@phone) [Optional]</p>
postCode	<p>code defining the postal zone</p> <p>- base type: string, max length: 10,</p> <p>(XPath: RAWDyeRequest/RQheader/subContractor/postCode) 0-1</p> <p>(XPath: RAWDyeRequest/RQheader/supplier/postCode) 0-1</p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/postCode) 0-1</p> <p>(XPath: RAWDyeRequest/RQheader/buyer/postCode) 0-1</p>
qty	<p>net quantity of the article or object correlated, qualified by the function of the document (ordering, delivering, ..) and by the context</p> <p>- base type: decimal, min inclusive: 0, fraction digits: 2,</p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/qty) 1-2</p>



rawChar	<p>physical or mechanical parameter used to define a characteristics of a raw material</p> <p>- base type: string, cod. table: T22</p> <p><a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T22.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T22.xml</a></p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs/rawChar) 1-1</p>
rawCharText	<p>free text describing the physical or mechanical parameter used to define a characteristics of a raw material</p> <p>- base type: string, max length: 40,</p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs/rawCharText) 1-1</p>
rawJob	<p>operation of a work cycle for raw material</p> <p>- base type: string, cod. table: T200</p> <p><a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T200.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T200.xml</a></p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/rawJob) 1-1</p>
@rawProcQualifier	<p>type of raw material with reference to the manufacturing process</p> <p>- base type: string, cod. table: NT30</p> <p><a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT30.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT30.xml</a></p> <p>(XPath: RAWDyeRequest/@rawProcQualifier) [Required]</p>
@role	<p>Third Party role qualifier</p> <p>- base type: string, cod. table: NT2</p> <p><a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT2.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT2.xml</a></p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/@role) [Required]</p>
season	<p>sale season; defined as: season (1 crt) + year (4 crt) - season: S/S=1 A/W=2 Spring=3 Summer=4 Autumn=5 Winter=6: for more than four seasons use alphabetic sequence: 1st season=A 2nd season=B etc.etc.</p> <p>- base type: string, max length: 15,</p> <p>(XPath: RAWDyeRequest/RQheader/season) 0-1</p> <p>(XPath: RAWDyeRequest/RQheader/refDoc/season) 0-1</p> <p>- note: <i>here indicates the season to which the referenced document belongs</i></p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawMnfrOperation/refDoc/season) 0-1</p> <p>- note: <i>here indicates the season to which the referenced document belongs</i></p>
@sender	<p>qualifier that specifies the Party issuing of the document</p> <p>- base type: boolean,</p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/@sender) [Optional]</p> <p>- nota: <i>This attribute is mandatory when the STYLESHEET must be produced</i></p> <p>(XPath: RAWDyeRequest/RQheader/supplier/@sender) [Optional]</p> <p>- nota: <i>This attribute is mandatory when the STYLESHEET must be produced</i></p> <p>(XPath: RAWDyeRequest/RQheader/subContractor/@sender) [Optional]</p> <p>- nota: <i>This attribute is mandatory when the STYLESHEET must be produced</i></p> <p>(XPath: RAWDyeRequest/RQheader/buyer/@sender) [Optional]</p> <p>- nota: <i>This attribute is mandatory when the STYLESHEET must be produced</i></p>
@source	<p>party who has provided the data</p> <p>- base type: string, cod. table: NT12</p> <p><a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT12.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT12.xml</a></p> <p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs/specValue/@source) [Optional]</p>

specValue	value requested for a property or a parameter that is measured - base type: decimal, (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs/specValue) 0-1
street	street and building number identifying a location - base type: string, max length: 80, (XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/street) 0-1 (XPath: RAWDyeRequest/RQheader/buyer/street) 0-1 (XPath: RAWDyeRequest/RQheader/subContractor/street) 0-1 (XPath: RAWDyeRequest/RQheader/supplier/street) 0-1
subCountry	short name or code of the sub-country entity - base type: string, max length: 9, (XPath: RAWDyeRequest/RQheader/supplier/subCountry) 0-1 (XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/subCountry) 0-1 (XPath: RAWDyeRequest/RQheader/subContractor/subCountry) 0-1 (XPath: RAWDyeRequest/RQheader/buyer/subCountry) 0-1
taxCategory	duty or tax or fee category - base type: string, cod. table: T62 <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T62.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T62.xml</a> (XPath: RAWDyeRequest/terms/allowanceCharge/dtScheme/taxCategory) 0-1
taxRate	duty or tax or fee percent rate - base type: string, (XPath: RAWDyeRequest/terms/allowanceCharge/dtScheme/taxRate) 0-1
@taxType	duty or tax or fee type - base type: string, cod. table: T61 <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T61.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T61.xml</a> (XPath: RAWDyeRequest/terms/allowanceCharge/dtScheme/@taxType) [Required]
tolerance	deviation tolerated on the value of a measurement (it must have a plus or minus sign) - base type: decimal, (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs/tolerance) 0-2
transCondition	special condition of transport or special service requested to the Forwarder - base type: string, cod. table: T38 <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T38.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T38.xml</a> (XPath: RAWDyeRequest/terms/transInfo/transCondition) 0-3
transConditionText	free text description of the special condition of transport or special service requested to the Forwarder - base type: string, max length: 100, (XPath: RAWDyeRequest/terms/transInfo/transConditionText) 0-1
transMeans	means of transport, in general or referred to a specific leg - base type: string, cod. table: T40 <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T40.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T40.xml</a> (XPath: RAWDyeRequest/terms/transInfo/transMeans) 0-1
transMode	way of transport, in general or referred to the specified leg - base type: string, cod. table: T8 <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T8.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_T8.xml</a> (XPath: RAWDyeRequest/terms/transInfo/transMode) 1-1
@transReason	reason for the transport - base type: string, cod. table: NT11 <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT11.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT11.xml</a> (XPath: RAWDyeRequest/terms/transInfo/@transReason) [Optional]
@um	specification of the unit of measure - base type: string, cod. table: NT7 <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT7.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT7.xml</a>



	<p>(XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs/specValue/@um) [Optional]  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs/tolerance/@um) [Required]  (XPath: RAWDyeRequest/terms/transInfo/netWeight/@um) [Required]  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/rawSpecs/pcTolerance/@um) [Optional]  - nota: <i>to be used when it has to be soecified if the declared percentage is by weight, volume, etc...</i>  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/qty/@um) [Required]  (XPath: RAWDyeRequest/terms/transInfo/grossWeight/@um) [Required]</p>
@useProfile	<p>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: RAWDyeRequest/@useProfile) [Optional]</p>
validityEnd	<p>date by which the validity ends, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW.  - base type: string,  (XPath: RAWDyeRequest/RQheader/validityEnd) 1-1</p>
validityStart	<p>date by which the validity starts, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW.  - base type: string,  (XPath: RAWDyeRequest/RQheader/validityStart) 0-1</p>
@VAT	<p>VAT rate or code ( deprecated, use dtScheme element )  - base type: string, cod. table: NT16  <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT16.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT16.xml</a>  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/lineN/@VAT) [Optional]  (XPath: RAWDyeRequest/RDRQbody/RDRQitem/thirdParty/@VAT) [Optional]  (XPath: RAWDyeRequest/terms/allowanceCharge/@VAT) [Optional]</p>
@version	<p>Dictionary version from which the instance has been created  - base type: string, cod. table: NT100  <a href="http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT100.xml">http://www.moda-ml.net/moda-ml/repository/codelist/v2013-1/gc_NT100.xml</a>  (XPath: RAWDyeRequest/@version) [Optional] [Default= 2013-1]</p>

## 2.3 Enumeration tables

List of enumeration tables used in the XML document. You can find the corresponding codes at: <http://www.moda-ml.org/moda-ml/imple/moda-ml-2013-1.asp?lingua=en&pag=6>

NT100 - eBIZ Moda-ML version  
NT11 - transport causal  
NT12 - data source  
NT16 - VAT rate or code  
NT18 - message function  
NT2 - third party qualifier  
NT29 - format of a date  
NT3 - data format  
NT30 - raw material family  
NT6 - coding system owner/issuer  
NT7 - unity of measure  
T1 - terms of payment  
T10 - ISO3166 - Country  
T2 - Modes of payment  
T200 - type of job on raw material  
T21 - type of document  
T22 - raw material characteristics type  
T3 - terms of delivery  
T38 - transport conditions  
T40 - type of transport means  
T41 - type of Allowance or Charge  
T61 - duty or tax or fee type  
T62 - duty or tax or fee category  
T8 - Modes of Transport

# Annex A

Representative images of the principal complex elements' structure.

