

MANUAL FOR CONNECTING CUSTOM CHANNELS PART 2



PRODUCT DATA VIA TB.CAT 1.4

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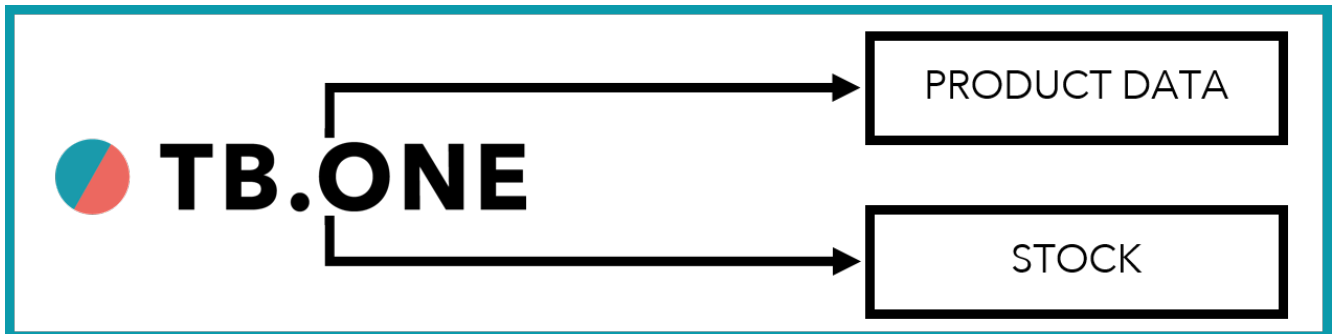
TABLE OF CONTENTS

1. PURPOSE OF THIS DOCUMENT	6
2. DATA EXCHANGE WITH TB.ONE	7
2.1 REST INTERFACE	7
2.1.1 REQUIRED FIELDS	7
2.1.2 RETURN VALUES	8
2.1.3 REST CALLS	9
2.2 SFTP INTERFACE	12
3. CONTENT OF FULL AND DELTA LOADS	13
4. DEPLOYMENT LOGIC FOR PRODUCT AND ARTICLE DATA	14
4.1 UNIQUE REFERENCING/IDENTIFICATION OF PRODUCTS AND ARTICLES	14
4.2 MOVING EXISTING ARTICLES	14
4.3 "FULL LOAD" PRODUCT DATA	15
4.4 "DELTA LOAD" PRODUCT DATA	16
4.5 EXAMPLE SCENARIOS FOR PRODUCT DATA IN FULL/DELTA LOAD	16
4.5.1 PRODUCT DATA CATALOGUE WITH CHANGED PRODUCT DATA	17
4.5.2 PRODUCT DATA CATALOGUE WITHOUT CHANGES	19
5. DEPLOYMENT LOGIC FOR STOCK INFORMATION	20
5.1 "FULL LOAD" STOCK DATA	20
5.2 "DELTA LOAD" STOCK DATA	20
6. ORDER OF PROCESSING OF FULL/DELTA LOADS	22
7. NAME-BASED DATA REFERENCING	23
8. MULTILINGUAL DATA	24
9. DATA STRUCTURE IN THE TB.CAT EXPORT	25
9.1 TBCATALOG	25
9.2 TBCATALOG / PRODUCTDATA	26
9.3 TBCATALOG / PRODUCTDATA / PRODUCT	27
9.4 TBCATALOG / PRODUCTDATA / PRODUCT / P_NAME	29
9.5 TBCATALOG / PRODUCTDATA / PRODUCT / P_SUPPLEMENT	30
9.6 TBCATALOG / PRODUCTDATA / PRODUCT / P_TEXT	31
9.7 TBCATALOG / PRODUCTDATA / PRODUCT / P_BRAND	31
9.8 TBCATALOG / PRODUCTDATA / PRODUCT / P_KEYWORDS	32
9.9 TBCATALOG / PRODUCTDATA / PRODUCT / P_COMPONENTDATA	33
9.10 TBCATALOG / PRODUCTDATA / PRODUCT / P_TAGS	34
9.11 TBCATALOG / PRODUCTDATA / PRODUCT / P_BULLETS	35
9.12 TBCATALOG / PRODUCTDATA / PRODUCT / P_MEDIADATA	35
9.13 TBCATALOG / PRODUCTDATA / PRODUCT / P_LOGOS	37
9.14 TBCATALOG / PRODUCTDATA / PRODUCT / P_CATEGORIES	37
9.15 TBCATALOG / PRODUCTDATA / PRODUCT / P_LINKDATA	38
9.16 TBCATALOG / PRODUCTDATA / PRODUCT / P_VARIANTFIELDS	39
9.17 TBCATALOG / PRODUCTDATA / PRODUCT / ARTICLEDATA	41
9.18 TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_VARIANTDATA	44

9.19	TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_COMPONENTDATA	45
9.20	TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_TAGS	46
9.21	TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_PRICEDATA	47
9.22	TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_BASEPRICE_QUANTITY	48
9.23	TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_MEDIADATA	49
9.24	TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_STOCK	50
9.25	TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_PARCEL	51
9.26	TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_TRADESTAT	52
10. EXAMPLES		53
10.1	PRODUCT WITH VARIANTS, MONOLINGUAL	53
10.2	PRODUCT WITHOUT VARIANTS, MULTILINGUAL	57

1. PURPOSE OF THIS DOCUMENT

This document details the structured export of product data from a standardized custom channel. The creation of master data and the import of product data into TB.One are not part of this manual. They are described in the basic manual on TB.One. This document focuses solely on the exchange of product data between TB.One and the custom channel. Custom channels are available in two specifications: channel type 3 includes the order data exchange. In channel type 4, TB.One is only used to align product data while order processing is done externally.



The following manuals detail the connection of channels:

- Part 1: Definitions and Process Overview:
This document details the terms used at Tradebyte and in TB.One.
- Part 2: Product Data Exchange via TB.Cat 1.2/1.4
Naming conventions and field descriptions for XML files in the Tradebyte standard "TB.Cat".
- Part 3: Order Data Exchange via TB.Order (only channel type 3)
Naming conventions and field descriptions for XML files in the Tradebyte standard "TB.Order" and a guide for message transfer (delivery, returns, and cancellations).

2. DATA EXCHANGE WITH TB.ONE

The product are exchanged between TB.One and the custom channel via XML files in the Tradebyte standard TB.Cat. The transmission takes place via a REST interface, used to retrieve product data catalogues and inventories directly from TB.One. Generally, you will receive a partial TB.Cat (XML) you can process as the result of your REST call.

If you prefer SFTP for data transferring, please contact your Tradebyte Account Manager.

Please note that we reserve the right to extend the interface's capabilities. We are committed to providing you and our partners the largest scope of features possible. Therefore, enhancement of the interface may become necessary.

Find the current schema file for XML product catalogues here:

https://api.core.tradebyte.com/schema/all_in_one/tb-cat_1_4_all_in_one.xsd

2.1 REST INTERFACE

Product catalogs and inventory changes are retrieved from TB.One via the REST-interface. Basic structure of the REST-URI:

```
https://rest.trade-server.net/ACCOUNT_NO/TARGET/?  
channel=CHANNEL_ID[&filter=criterion]
```

The TB.One client where data are retrieved via REST has to create API user credentials and provide them to the calling party. REST calls require authentication via user name and password.

2.1.1 REQUIRED FIELDS

ABBREVIATION	DESCRIPTION
USR/PWD	User name and password for REST access
ACCOUNT_NO	Merchant number
TARGET	Specifies which resource group the call targets; in this case, products ("products") or articles ("articles"/"stock").
CHANNEL_ID	The channel ID is required information and is provided to you by your Tradebyte contact. In the examples in this manual, the placeholder "CHID" is used.

2.1.2 RETURN VALUES

REST calls return messages via XML. You will either receive the requested results/data or a status message complemented by a status code in the HTTP header that shows whether the call was processed successfully.

Always note the HTTP status code in the header in addition to the returned message/data:

- 200 (all codes starting with 2xx): call/processing successful.
- 400 (all codes starting with 4xx): call not successful or request incorrect.
- 500 (all codes starting with 5xx): processing error.

2.1.3 REST CALLS

PRODUCT LISTS

Method	GET	Retrieves...
Target	products	...a complete product list (full load).
Example	.../products/?channel=CHID	
Response	<pre> <TBCATALOG channel="chxx" creation="1359543069"> <SUPPLIER> <NAME>Dokuaccount</NAME> </SUPPLIER> <CLASSIFICATION></CLASSIFICATION> <PRODUCTDATA type="full"> <PRODUCT></PRODUCT> <PRODUCT></PRODUCT> ... </PRODUCTDATA> </TBCATALOG> </pre>	

Method	GET	Retrieves...
Target	products	...a product list...
Filter	delta	...containing all changes since a previous point in time delta (delta load).
Example	.../products/?channel=CHID&delta=1359543069	
Response	<pre> <TBCATALOG channel="chxx" creation="1359544040"> <SUPPLIER></SUPPLIER> <PRODUCTDATA> <PRODUCT></PRODUCT> <PRODUCT></PRODUCT> ... </PRODUCTDATA> </TBCATALOG> </pre>	

STOCK LISTS

Method	GET	Retrieves...
Target	stock	...a stock list for the indicated channel (full load).
Example	.../stock/?channel=CHID	
Response	<pre><TBSTOCK changedate="1359705447"> <ARTICLE> <A_NR>4688-pi-42</A_NR> <A_STOCK>10</A_STOCK> </ARTICLE> ... </TBSTOCK></pre>	
Method	GET	Retrieves...
Target	stock	...a stock list for the indicated channel...
Filter	delta	...containing all changes since a previous point in time delta .
Example	.../stock/?channel=CHID&delta=1359705447	
Response	<pre><TBSTOCK changedate="1359706621"> <ARTICLE> <A_NR>4689o1xx1</A_NR> <A_STOCK>5</A_STOCK> </ARTICLE> </TBSTOCK></pre>	

PRICE LISTS

Method	GET	Retrieves...
Target	prices	...a price list for the indicated channel (full load).
Example	.../prices/?channel=CHID	
Response	<pre> <TBPRICES changedate="1359705447"> <ARTICLE> <A_NR>4688-pi-42</A_NR> <A_PRICEDATA> <A_PRICE channel="CHID" currency="EUR"> <A_VK>69.97</A_VK> <A_VK_OLD>89.95</A_VK_OLD> <A_UVP>99.95</A_UVP> <A_MWST>2</A_MWST> <A_EK>38.32</A_EK> </A_PRICE> </A_PRICEDATA> </ARTICLE> ... </TBPRICES> </pre>	

Method	GET	Retrieves...
Target	prices	...a price list for the indicated channel...
Filter	delta	...containing all changes since a previous point in time delta .
Example	.../prices/?channel=CHID&delta=1359705447	
Response	<pre> <TBPRICES changedate="1359706621"> <ARTICLE> <A_NR>4688-pi-42</A_NR> <A_PRICEDATA> <A_PRICE channel="CHID" currency="EUR"> <A_VK>69.97</A_VK> <A_VK_OLD>89.95</A_VK_OLD> <A_UVP>99.95</A_UVP> <A_MWST>2</A_MWST> <A_EK>38.32</A_EK> </A_PRICE> </A_PRICEDATA> </ARTICLE> ... </pre>	

Method	GET	Retrieves...
	<code></TBPRICES></code>	

2.2 SFTP INTERFACE



As opposed to the data exchange via REST, setting up the SFTP interface results in additional integration work. Therefore, contact your Success Manager beforehand and have them estimate the work load and effort necessary for setting up the interface.

If you and your Success Manager have agreed on using SFTP to transfer data, you'll generally find the following folder structure when you access the server ("error" and "archiv" are optional):

DIRECTORY	DESCRIPTION
/in	Save files that are to be imported in this directory. Attention: Content in this directory will be archived after 30 days.
/out	Outgoing files can be retrieved from this directory. Attention: Content in this directory will be deleted after 14 days after their creation.
/error	If errors occur during the import process, you will find a file containing an explanation in this directory. Via the menu "Admin > User > Mailing lists", you can subscribe to error notifications with your email address. Attention: Content in this directory will be archived after 30 days.
/archiv	TB.One marks imported files with the prefix "done_{timestamp}_" and moves them to this directory. Once you have successfully retrieved a file from the "out" directory, you should also move them here and add a prefix such as "done_". Attention: Files are automatically deleted after approximately four weeks.

Please comply with the naming conventions described in the manuals for the file format you are using (CSV part [4b](#) / XML part [4c](#); chapter "Files and naming conventions") when uploading files to the "in" directory.



To avoid overlaps of upload and import processes, upload files with the extension ".tmp" and rename them once they have been uploaded successfully.

In the menu "Channels > [Your channel] > Public key administration", you can assign and manage the public key needed to access the SFTP server. You will receive the matching private key from your admin.

3. CONTENT OF FULL AND DELTA LOADS

Full and delta loads are possible for product catalogues and stock data. Full loads contain the complete set of data valid at the time of retrieval. Delta loads only contain the changes made since the last call.

Product catalogues may either contain all valid products and articles ("full") or only products and articles that were modified ("delta"). A delta load provides complete data for each product it contains (including its articles/variants, but only for products that were changed since the previous timestamp. Products that have remained unchanged are not part of the delta load and need not be edited.

Stock data catalogues either contain the stock numbers for all articles valid at the time of retrieval ("full") or only stock changes since the previous retrieval ("delta").

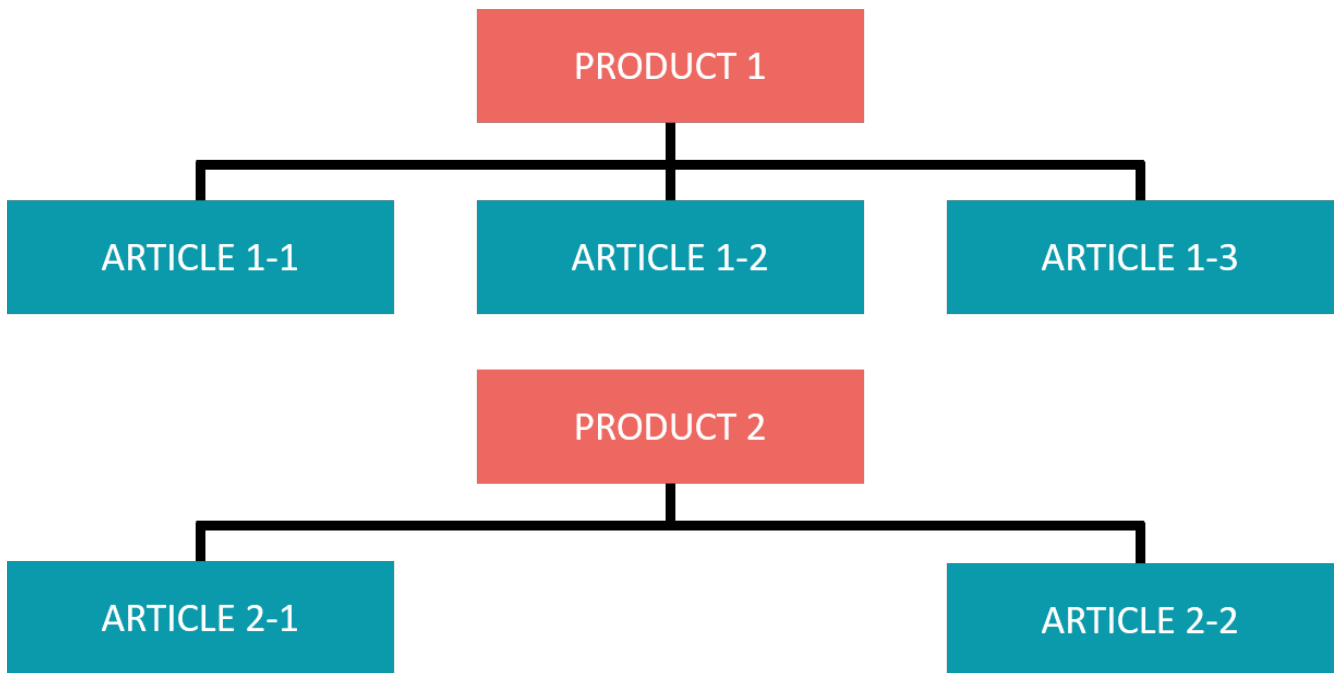


Product catalogue full loads are permitted once per day. Stock data full loads are possible once per hour in the standard. Please contact Tradebyte to determine when your full loads will take place.

4. DEPLOYMENT LOGIC FOR PRODUCT AND ARTICLE DATA

Regardless of the deployment type ("full" or "delta"), the TB.Cat always includes the full information available for a product valid at the time of retrieval.

When processing the data, you must remove/change all information that is no longer part of the data set or was changed and add any new information it may contain. A product contains all its assigned articles and all its descriptive information. A schematic view:



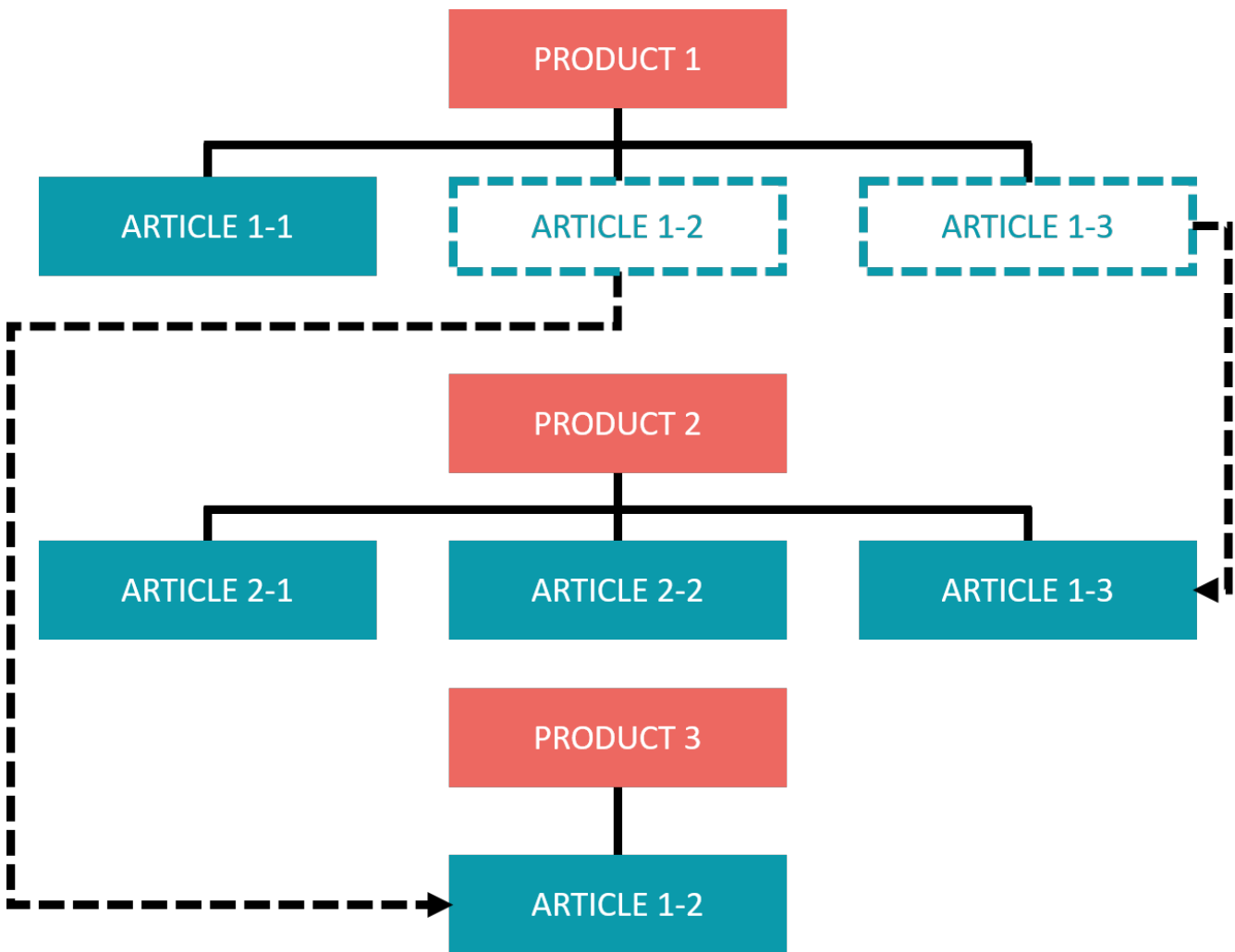
4.1 UNIQUE REFERENCING/IDENTIFICATION OF PRODUCTS AND ARTICLES

Products can be identified by their product ID (P_NR). It is the internal database ID assigned during product creation. The database IDs are unique. Optionally, you may receive the data provider's own product number (P_NR_EXTERNAL). The provider is theoretically able to change the P_NR_EXTERNAL. The combination of P_NR and P_NR_EXTERNAL allows you to track such changes.

The same logic is used at the article level. Whenever an article is created, TB.One assigns a unique article ID (A_ID) which is forwarded during export. Additionally, article numbers (A_NR) are transferred. The data provider can theoretically make changes to the latter numbers.

4.2 MOVING EXISTING ARTICLES

Any article can only ever be assigned to one product at a time. However, it is possible for data providers to move existing articles between products or to remove a product entirely and shift its articles to multiple different products.



4.3 "FULL LOAD" PRODUCT DATA

"Full load" product data catalogues contain all products and articles valid at the time of retrieval. The data must be interpreted according to the logic shown in the chapter "[Deployment Logic of Product and Article Data](#)¹⁴". The call's response files are structured according to the following schema:

```

<TBCATALOG channel="chxx" creation="1359554835">                                <!-- Time of creation -->
  <PRODUCTDATA type="full">                                                    <!-- Mode "Full load" -->
    <!-- delta request control: 0 -->
      <Product 1>
        <Article 1-1>
        <Article 1-2>
        <Article 1-3>
      <Product 2>
        <Article 2-1>
        <Article 2-2>
      </PRODUCTDATA>
  
```

```
<TBCATALOG channel="chxx" creation="1359554835">                                <!-- Time of creation -->
</TBCATALOG>
```

The creation time (attribute "creation" in the element "TBCATALOG") should be used as the time stamp for the filter attribute "delta" in the next delta load.



In the standard only one full load is permitted per day. Please contact Tradebyte to determine the timing of full loads.

4.4 "DELTA LOAD" PRODUCT DATA

When product data catalogues are retrieved in delta mode, they only contain products that were changed since the time stamp "delta". A delta load contains complete products, including all valid articles currently assigned to them. Interpret it according to the logic described in the chapter "[Deployment Logic of Product and Article Data](#)"¹⁴.

The call's response files are structured according to the following schema:

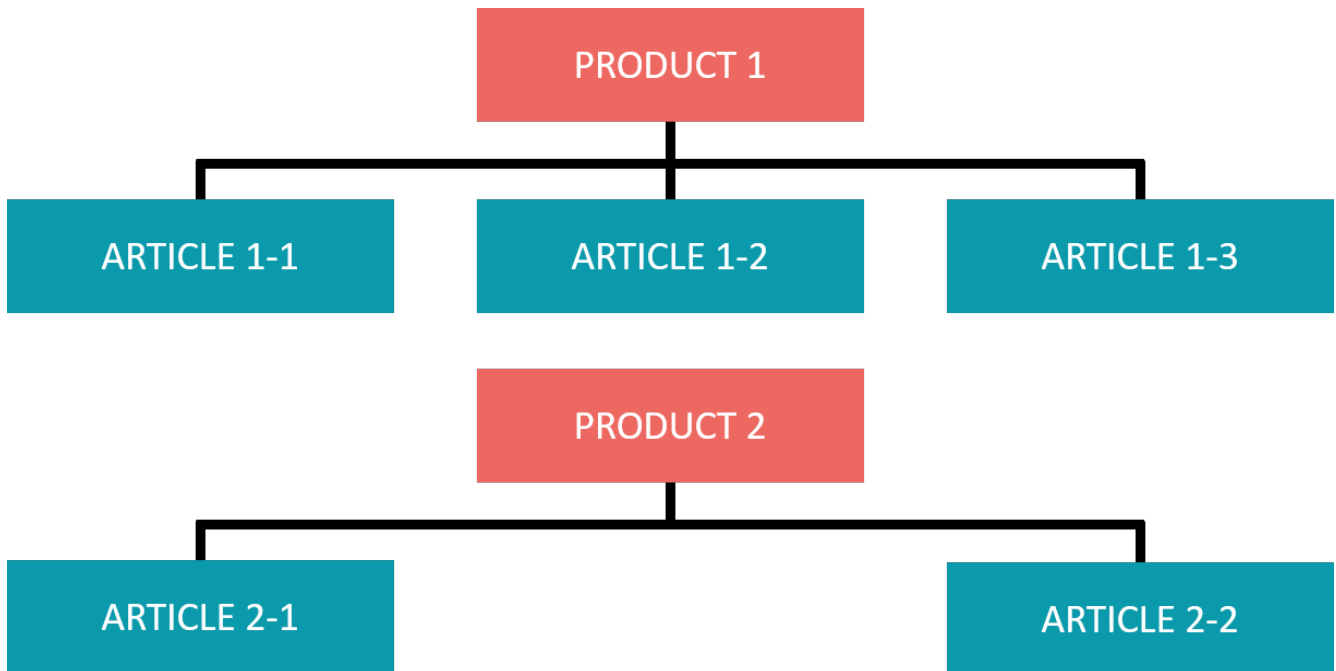
```
<TBCATALOG channel="chxx" creation="1359555698">                                <!-- Time of creation -->
  <PRODUCTDATA type="full">                                                    <!-- Mode "Delta-load" -->
    <!-- delta request control: 1359554835 -->                                <!-- Requested time stamp -->
      <Product 1>
        <Article 1-1>
        <Article 1-2>
        <Article 1-3>
      </PRODUCTDATA>
</TBCATALOG>
```

In this example, only "Product 1" was changed since the previous load.

When calling a delta load, always indicate the previous TB.Cat load's time of creation. It does not matter whether the previous load was "full" or "delta".

4.5 EXAMPLE SCENARIOS FOR PRODUCT DATA IN FULL/DELTA LOAD

These examples are based on the scenario in the chapter "[Deployment Logic of Product and Article Data](#)"¹⁴. Products/articles in coloured boxes are active; products/articles without a solid-colour background and with dotted border lines are inactive.



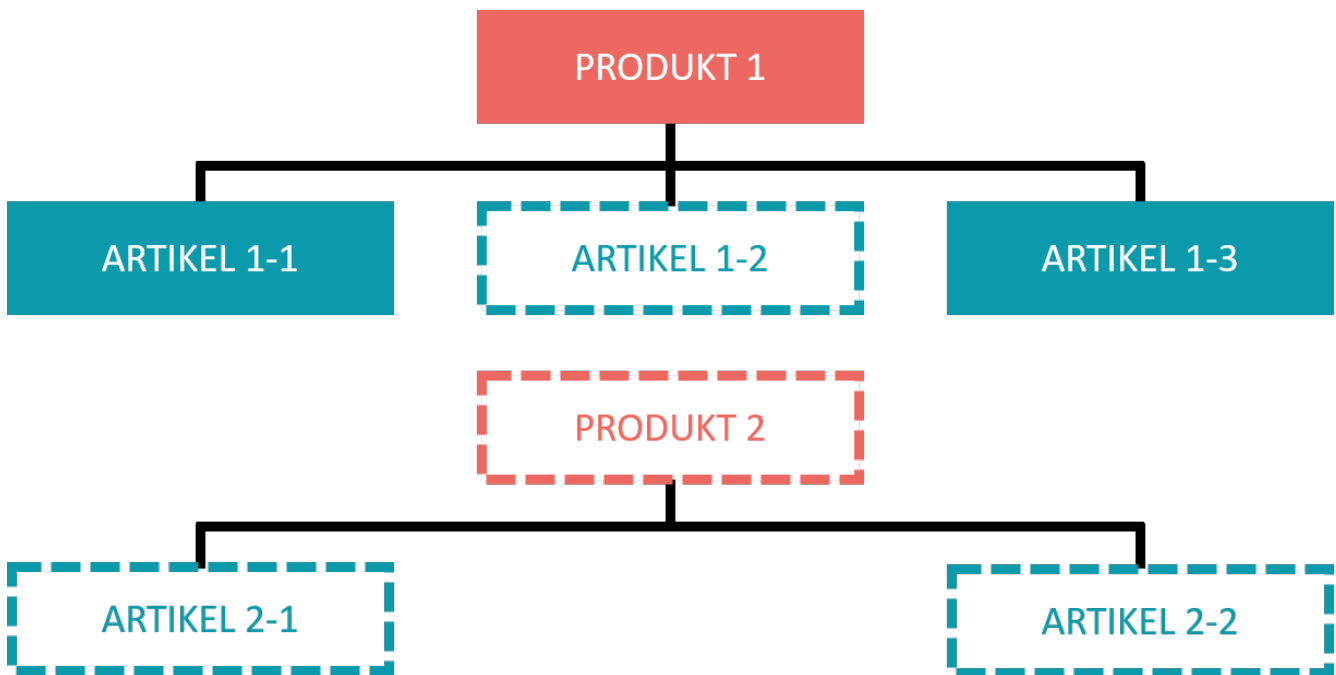
The corresponding full load contains (abstract schematic view):

```

<TBCATALOG channel="chxx" creation="1359554835">                                <!-- Time of creation -->
  <PRODUCTDATA type="full">                                                    <!-- Mode "Full load" -->
    <!-- delta request control: 0 -->
      <Product 1>
        <Article 1-1>
        <Article 1-2>
        <Article 1-3>
      <Product 2>
        <Article 2-1>
        <Article 2-2>
    </PRODUCTDATA>
  </TBCATALOG>
  
```

4.5.1 PRODUCT DATA CATALOGUE WITH CHANGED PRODUCT DATA

Before the next catalogue is provided, the supplier deactivates article 2 in product 1 and the entire product 2. Products/articles in coloured boxes are active; products/articles without a solid-colour background and with dotted border lines are inactive.



Depending if the next product data load is full or delta, you will receive different responses:

VARIANT 1: DELTA-LOAD

```

<TBCATALOG channel="chxx" creation="1359555698">
  <PRODUCTDATA type="delta">
    <!-- delta request control: 1359554835 -->
    <Product 1>
      <Article 1-1>
      <Article 1-3>
    <Product 2 mode="delete">
  </PRODUCTDATA>
</TBCATALOG>
  
```



Please note that this implies that article 1-2 was deactivated. Only if a product was deactivated in its entirety, the deletion is stated in the feed explicitly.

The deleted product's node only contains the product ID for identification:

```

<PRODUCT mode="delete">
  <P_NR>2712</P_NR>
</PRODUCT>
  
```

VARIANT 2: FULL-LOAD

The full load shows the changes implicitly and contains the following (schematic view):

```

<TBCATALOG channel="chxx" creation="1359555698">
  <PRODUCTDATA type="full">
  
```

```
<TBCATALOG channel="chxx" creation="1359555698">
  <!-- delta request control: 0 -->
    <Product 1>
      <Article 1-1>
      <Article 1-3>
    </PRODUCTDATA>
</TBCATALOG>
```



Products/articles that are no longer part of a full load have to be deleted/deactivated.
Their deletion is not explicitly stated in the load.

4.5.2 PRODUCT DATA CATALOGUE WITHOUT CHANGES

If nothing has changed by the next data retrieval, delta loads contain empty catalogues:

```
<TBCATALOG channel="chxx" creation="1359556548">
  <PRODUCTDATA type="delta">
  </PRODUCTDATA>
</TBCATALOG>
```

A full load at this point would contain all valid products and articles. Content-wise, it would be identical to the previous catalogue.

5. DEPLOYMENT LOGIC FOR STOCK INFORMATION

Stock data are always exported based on the articles forwarded to you in the catalogue, i.e. you only receive stock information for articles that have already been exported with the product data and that were still interpreted as valid in the latest export. Stock data can also be retrieved in a full or delta load.

5.1 "FULL LOAD" STOCK DATA

A stock data full load contains all articles that are currently valid according to the provided product data. You will receive data in the following form:

```
<?xml version="1.0" encoding="UTF-8"?>
<TBSTOCK changedate="1378374296">                                <!-- Creation time -->
  <ARTICLE>
    <A_NR>2700000022XL</A_NR>
    <A_STOCK>19</A_STOCK>
  </ARTICLE>
  <ARTICLE>
    <A_NR>2700000022L</A_NR>
    <A_STOCK>47</A_STOCK>
  </ARTICLE>
</TBSTOCK>
```

Use the creation time of the previous stock load as the value for "delta" (except when you use the mode "full load").

Please also note the chapter "[Order of processing of full/delta loads](#)²²".



Generally, stock data full loads are only permitted once per hour. Please contact Tradebyte to determine the timing of full loads.

5.2 "DELTA LOAD" STOCK DATA

When stock data are retrieved in a delta load, only stock numbers that have changed since the indicated time stamp "delta" are transferred. You will receive data in the following form:

```
<?xml version="1.0" encoding="UTF-8"?>
<TBSTOCK changedate="1378374296">
  <ARTICLE>
    <A_NR>2700000022XL</A_NR>
    <A_STOCK>0</A_STOCK>                                <!-- Article sold out -->
  </ARTICLE>
  <ARTICLE>
```

```
<?xml version="1.0" encoding="UTF-8"?>

    <A_NR>2700000022L</A_NR>

    <A_STOCK>47</A_STOCK>

</ARTICLE>

</TBSTOCK>
```

Always include the creation time of the last stock load when calling a delta load. It does not matter whether the last load was in full or delta mode.

Exception: If a product data catalogue full load has been retrieved in the meantime. Please also note the chapter "[Order of processing of full/delta loads](#)²²".



The highest permitted frequency with which stock data delta loads may be called in the standard is every 15 minutes.

6. ORDER OF PROCESSING OF FULL/DELTA LOADS

Generally, the retrieved product catalogues and stock data are complete and must be processed in order of creation. That order can be determined from the time stamps. The time stamps are in the format "Unix Timestamps", which shows the number of seconds that have passed since January 1st, 1970, 00:00 UTC.

```
TBSTOCK changedate="1378374296">
```

or

```
<TBCATALOG channel="chxx" creation="1359555698">
```



Since product data catalogues also contain stock information, the following rules apply for the order of processing:

- Delta calls always have to be processed in the order of creation.
- A more recent full load replaces all previous delta loads of the same type. That means a stock full load replaces all earlier stock delta loads.
- Product data catalogue full loads always replace **all** earlier delta loads, whether they contain stock information or product data.

7. NAME-BASED DATA REFERENCING

The transferred information is based on the names (designations) defined by the sender. This is indicated by the XML attribute *identifier="name"*. The designation/name itself is provided in the XML attribute *key="[name/designation]"*. The information itself (if relevant) is forwarded as an XML value.

```
<P_BRAND identifier="name" key="Adidas Performance" />
<P_COMPONENTDATA>
  <P_COMPONENT identifier="name" key="Breite">
    <VALUE xml:lang="x-default">30cm</VALUE>
  </P_COMPONENT>
  <P_COMPONENT identifier="name" key="Farbe">
    <VALUE xml:lang="x-default">Grün</VALUE>
  </P_COMPONENT>
</P_COMPONENTDATA>
<P_TAGS>
<P_TAGS>
  <P_TAG identifier="name" key="Geschlecht">
    <VALUES>
      <VALUE identifier="name" key="Herren" />
    </VALUES>
  </P_TAG>
</P_TAGS><P_BRAND identifier="name" key="Adidas Performance" />
<P_COMPONENTDATA>
  <P_COMPONENT identifier="name" key="Breite">
    <VALUE xml:lang="x-default">30cm</VALUE>
  </P_COMPONENT>
  <P_COMPONENT identifier="name" key="Farbe">
    <VALUE xml:lang="x-default">Grün</VALUE>
  </P_COMPONENT>
</P_COMPONENTDATA>
<P_TAGS>
<P_TAGS>
  <P_TAG identifier="name" key="Geschlecht">
    <VALUES>
      <VALUE identifier="name" key="Herren" />
    </VALUES>
  </P_TAG>
</P_TAGS>
```

8. MULTILINGUAL DATA

Via TB.Cat, multiple pieces of language information (translations, etc.) can be provided for any product. For each piece of information that suppliers can create in multiple languages (components, product titles, etc.), you receive a language tag in the XML attribute `xml:lang="[language]"` that shows the language. At least one language is indicated for each piece of information:

```
<P_COMPONENT identifier="name" key="Länge">
  <VALUE xml:lang="x-default">110 cm</VALUE>
  <VALUE xml:lang="en-us">43.31 in</VALUE>
</P_COMPONENT>
```

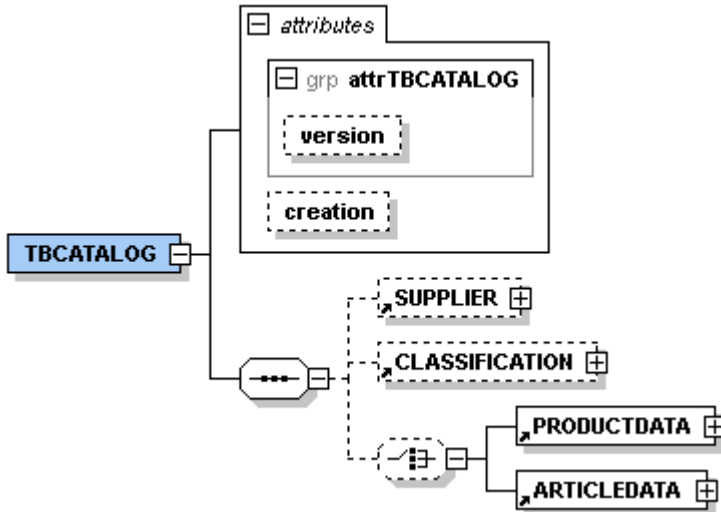
This is also true if the data are provided in one language only:

```
<P_COMPONENT identifier="name" key="Länge">
  <VALUE xml:lang="x-default">110 cm</VALUE>
</P_COMPONENT>
```

TB.One includes delivery documents, such as delivery notes, order data sheets, and pick lists in German, English, Dutch, French, Spanish, and Italian. It is, however, not possible to choose the language of delivery documents dynamically for each order. The language of the delivery documents depends on the channel language chosen when the channel was created in TB.One. It does not directly correlate to the product data languages, the purpose of which is to allow suppliers to publish products on channels that do not use their native language.

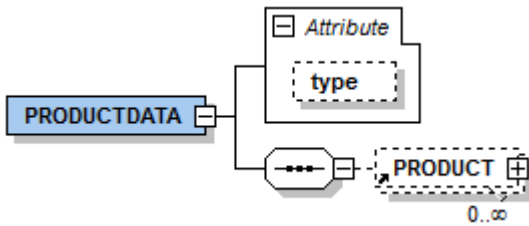
9. DATA STRUCTURE IN THE TB.CAT EXPORT

9.1 TBCATALOG



NODE	MANDAT.	DATA TYPE	DESCRIPTION
<?xml version="1.0" encoding="UTF-8"?>	Y	XML	Coding of the exported file. Currently always UTF-8
TBCATALOG	Y	XML	Root node
version	N	XML	TB.Cat version; always 1.4
SUPPLIER	N	XML	Information on the data supplier (if multiple suppliers are connected)
CLASSIFICATION	N	XML	Classification section for defining the category tree, components, attributes, brands and logos.
PRODUCTDATA ²⁶	Y	XML	Product data
ARTICLEDATA ⁴¹	Y	XML	Article data. In this type of export articles are always assigned to the product data.

9.2 TBCATALOG / PRODUCTDATA



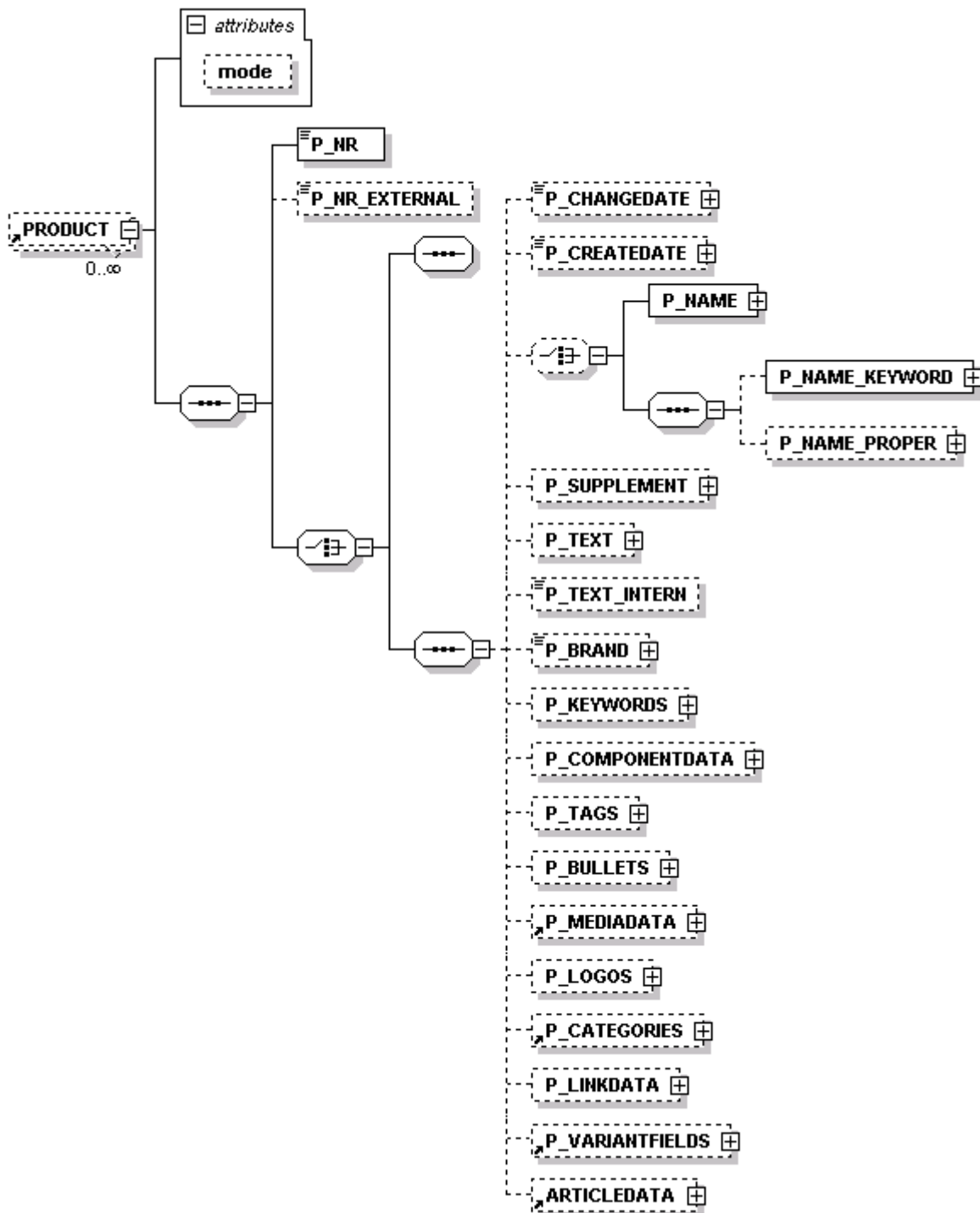
NODE	MANDAT.	DATA TYPE	DESCRIPTION
PRODUCTDATA	Y	XML	Product data
PRODUCTDATA[type]	N	ENUM	Type of the transferred product data. Possible values: full = complete data catalogue delta = delta load containing changes only
PRODUCT	N	XML	Product details

Example XML

```

<PRODUCTDATA type="full">
  <PRODUCT>...</PRODUCT>
  <PRODUCT>...</PRODUCT>
</PRODUCTDATA>
  
```

9.3 TBCATALOG / PRODUCTDATA / PRODUCT



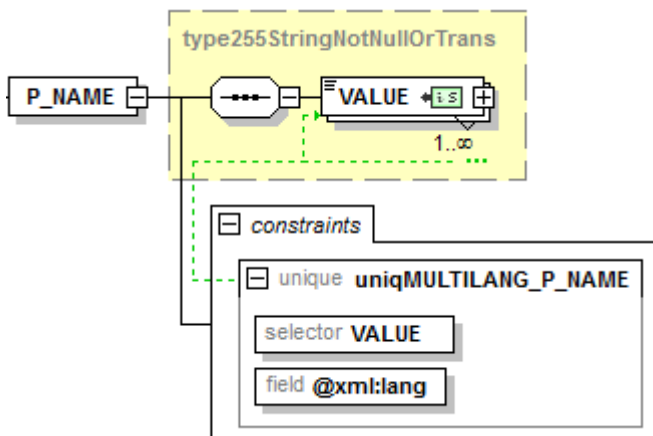
NODE	MANDAT.	DATA TYPE	DESCRIPTION
mode	N	STRING	If a product is to be deleted, the attribute <i>mode="delete"</i> is transmitted (delta load only).

NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_NR	Y	CHAR(50)	Unique product ID from TB.One
P_NR_EXTERNAL	N	CHAR(50)	The supplier's product number
P_CHANGEDATE	N	UNIX	Timestamp of the last product change
P_CREATEDATE	N	UNIX	Timestamp of the product creation
P_NAME ²⁹	N	CHAR (255)	Product designation
P_NAME_KEYWORD ²⁹	Y	CHAR (255)	Instead of the product designation P_NAME, the name can be split into common noun (P_NAME_KEYWORD) and proper name (P_NAME_PROPER); e.g. "Jacket Streetstyle" vs. "Jacket"/"Streetstyle".
P_NAME_PROPER ²⁹	N	CHAR (255)	
P_SUPPLEMENT ³⁰	N	CHAR (255)	Additional promotional headline for the product
P_TEXT ³¹	N	TEXT	Product description (body text)
P_TEXT_INTERN	--	--	Only relevant for the supplier's import process
P_BRAND ³¹	N	XML	Brand
P_KEYWORDS ³²	N	XML	Keywords/search terms for this product
P_COMPONENTDATA ³³	N	XML	Product components
P_TAGS ³⁴	N	XML	Product attributes
P_BULLETS ³⁵	N	XML	Bullet points
P_MEDIADATA ³⁵	N	XML	Product media (images, documents, ...)
P_LOGOS ³⁷	N	XML	Product logos (care instructions, ...)

NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_CATEGORIES ³⁷	N	XML	Category assignments
P_LINKDATA ³⁸	N	XML	Links (cross-selling, accessories, ...)
P_VARIANTFIELDS ³⁹	N	XML	For products with variants: definition of the variant-forming properties
ARTICLEDATA ⁴¹	N	XML	Article data

9.4 TBCATALOG / PRODUCTDATA / PRODUCT / P_NAME

By default the product designation is provided in one field (P_NAME). If you want to split the export into the two fields common noun and proper name (P_NAME_KEYWORD and P_NAME_PROPER), please coordinate with your Tradebyte contact.



NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_NAME	N	TEXT	Product designation
or			OR
P_NAME_KEYWORD	Y		Common noun and
P_NAME_PROPER	N		Proper name
VALUE xml:lang="lang"	N	TEXT	Defines a language and contains the corresponding translation

Example XML

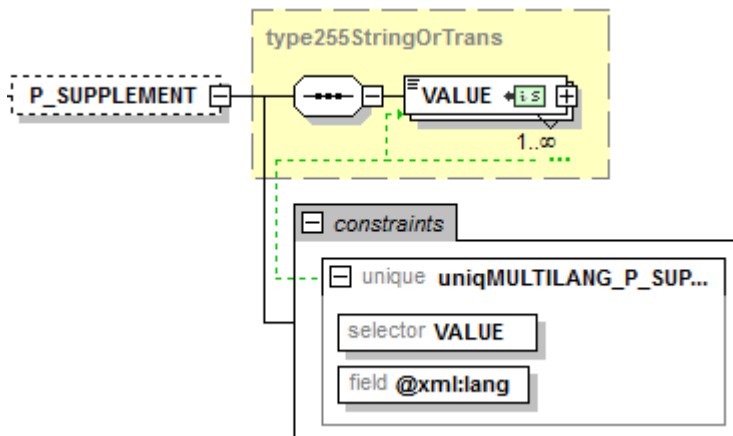
```
<P_NAME>
```

```
<VALUE xml:lang="x-default">Outdoor-Jacke Reinhold</VALUE>
<VALUE xml:lang="en-us">Outdoor-Jacket Reinhold</VALUE>
</P_NAME>
```

or

```
<P_NAME_KEYWORD>
  <VALUE xml:lang="x-default">Outdoor-Jacke</VALUE>
</P_NAME_KEYWORD>
<P_NAME_PROPER>
  <VALUE xml:lang="x-default">Reinhold</VALUE>
</P_NAME_PROPER>
```

9.5 TBCATALOG / PRODUCTDATA / PRODUCT / P_SUPPLEMENT

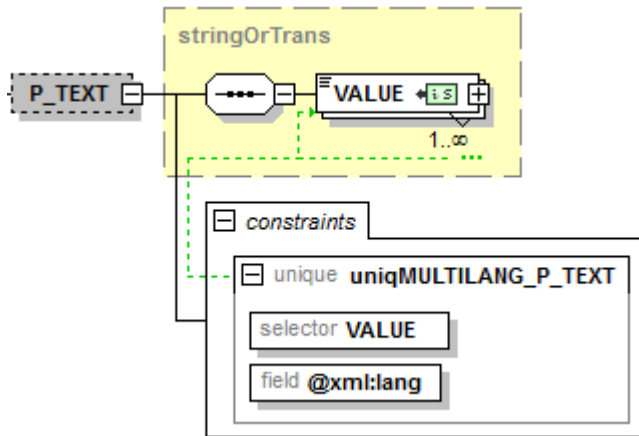


NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_SUPPLEMENT	N	TEXT	Can be used to transmit additional text. A promotional secondary headline, for example.
VALUE xml:lang="lang"	Y	TEXT	Defines a language and contains the corresponding translation

Example XML

```
<P_SUPPLEMENT>
  <VALUE xml:lang="x-default">Exceptionally durable!</VALUE>
</P_SUPPLEMENT>
```

9.6 TBCATALOG / PRODUCTDATA / PRODUCT / P_TEXT



NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_TEXT	N	TEXT	Product description (continuous text; no self-promotion)
VALUE xml:lang="lang"	N	TEXT	Defines a language and contains the corresponding translation

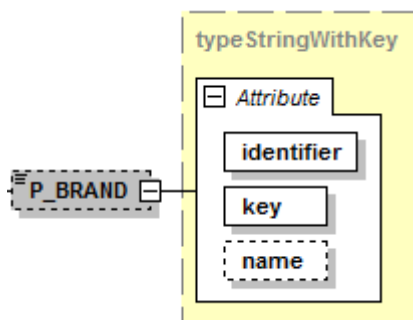
Example XML

```

<P_TEXT>
  <VALUE xml:lang="x-default">
    Die Outdoorjacke "Reinhold" ist eine außergewöhnlich robuste und funktionale
    Jacke! Durch das innovative G-1000 Eco und G-1000 Heavy Duty-Material bietet
    sie
    eine enorme Widerstandsfähigkeit und einen effektiven Schutz vor Wind und
    Witte-
    rung, Kälte, Nässe und Sturm. Die Outdoorjacke "Reinhold" ist ein sehr
    anpas-
    sungsfähiger Allrounder für das ganze Jahr, die Sie begeistern wird.
  </VALUE>
</P_TEXT>

```

9.7 TBCATALOG / PRODUCTDATA / PRODUCT / P_BRAND

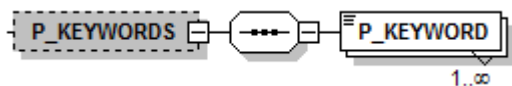


NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_BRAND	N	XML	The product's brand
P_BRAND[identifier]	Y	ENUM	Identifier for referencing ("name")
P_BRAND[key]	Y	CHAR(50)	Value for the reference indicated in <i>identifier</i>
P_BRAND[name]	N	CHAR (100)	Not relevant in this context

Example XML (key-based)

```
<P_BRAND identifier="name" key="Argonaut Performance" />
```

9.8 TBCATALOG / PRODUCTDATA / PRODUCT / P_KEYWORDS

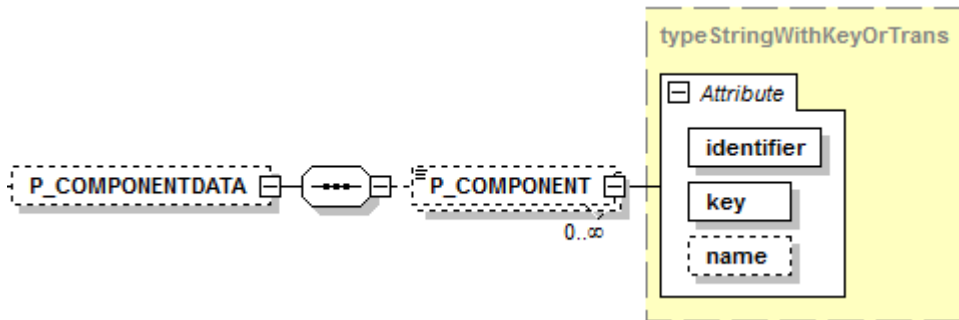


NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_KEYWORDS	N	XML	Search terms for the product
P_KEYWORD	Y	CHAR (255)	Single search term
VALUE xml:lang="lang"	N	TEXT	Defines a language and contains the corresponding translation

Example XML

```
<P_KEYWORDS>
  <P_KEYWORD>
    <VALUE xml:lang="x-default">Kapuzenjacke</VALUE>
  </P_KEYWORD>
  <P_KEYWORD>
    <VALUE xml:lang="x-default">Anorak</VALUE>
  </P_KEYWORD>
  <P_KEYWORD>
    <VALUE xml:lang="x-default">Funktionskleidung</VALUE>
  </P_KEYWORD>
</P_KEYWORDS>
```

9.9 TBCATALOG / PRODUCTDATA / PRODUCT / P_COMPONENTDATA



NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_COMPONENTDATA	N	XML	Product components
P_COMPONENT	Y	TEXT	Text of the product component
P_COMPONENT[identifier]	Y	ENUM	Identifier for referencing ("name")
P_COMPONENT[key]	Y	CHAR(50)	Value for the reference indicated in <i>identifier</i>
P_COMPONENT[name]	N	CHAR (100)	Not relevant in this context
VALUE xml:lang="lang"	N	TEXT	Defines a language and contains the corresponding translation.

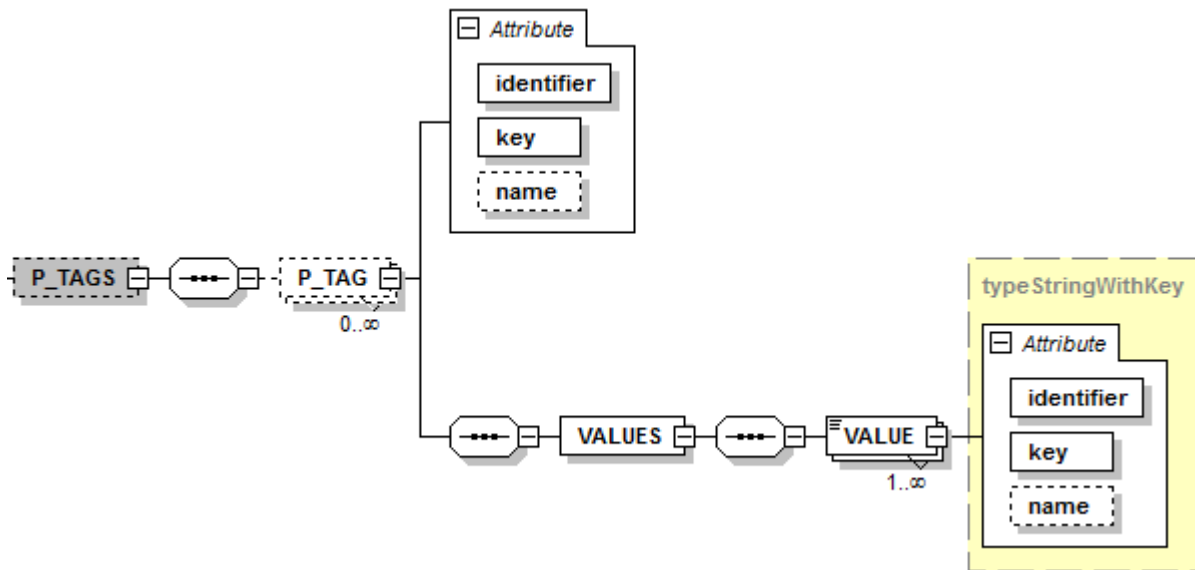
Example XML (key-based)

```

<P_COMPONENTDATA>
  <P_COMPONENT identifier="name" key="Breite">
    <VALUE xml:lang="x-default">30cm</VALUE>
  </P_COMPONENT>
  <P_COMPONENT identifier="name" key="Farbe">
    <VALUE xml:lang="x-default">Grün</VALUE>
  </P_COMPONENT>
</P_COMPONENTDATA>

```

9.10 TBCATALOG / PRODUCTDATA / PRODUCT / P_TAGS

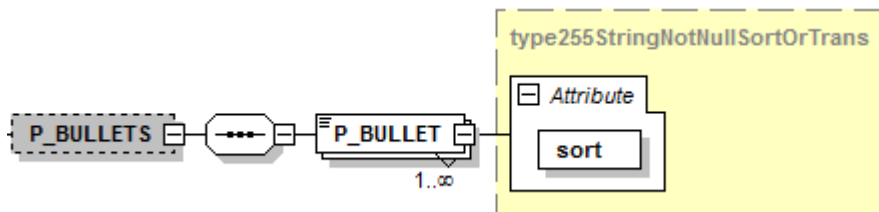


NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_TAGS	N	XML	Product attributes
P_TAG	Y	XML	Product attribute
P_TAG[identifier]	Y	ENUM	Identifier for referencing ("name")
P_TAG[key]	Y	CHAR(50)	Value for the reference indicated in <i>identifier</i>
P_TAG[name]	N	CHAR (100)	Not relevant in this context
VALUES	Y	XML	Attribute values
VALUE	Y	XML	Single attribute value
VALUE[identifier]	Y	ENUM	Identifier for referencing ("name")
VALUE[key]	Y	CHAR(50)	Value for the reference indicated in <i>identifier</i>
VALUE[name]	N	CHAR (100)	Not relevant in this context

Example XML (key-based)

```
<P_TAGS>
  <P_TAG identifier="name" key="Geschlecht">
    <VALUES>
      <VALUE identifier="name" key="männlich" />
    </VALUES>
  </P_TAG>
</P_TAGS>
```

9.11 TBCATALOG / PRODUCTDATA / PRODUCT / P_BULLETS



NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_BULLETS	N	XML	Bullet points
P_BULLET	N	CHAR (255)	Single bullet point
P_BULLET[sort]	Y	INT	Sorting within the bullet points
VALUE xml:lang="lang"	N	TEXT	Definition of the language

Example XML

```
<P_BULLETS>
  <P_BULLET sort="10">
    <VALUE xml:lang="x-default">atmungsaktiv</VALUE>
  </P_BULLET>
  <P_BULLET sort="20">
    <VALUE xml:lang="x-default">wasserdicht</VALUE>
  </P_BULLET>
  <P_BULLET sort="30">
    <VALUE xml:lang="x-default">winddicht</VALUE>
  </P_BULLET>
</P_BULLETS>
```

9.12 TBCATALOG / PRODUCTDATA / PRODUCT / P_MEDIADATA

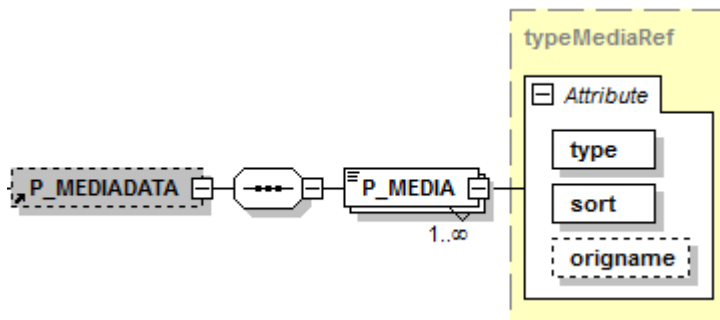
Generally, we differentiate between product and article media. Product media apply to the entire product, article media apply only to the specified variant. Media are transferred in the TB.Cat through references (HTTP) to the Tradebyte server. A media type is transmitted for each included piece of media. Coordinate the permitted media types with your Tradebyte contact.



Regarding media, the Tradebyte servers must only be used for transfer. Retrieve each piece of media only once, then store it in your systems for further use. The media URLs must not be referenced in the shop.

The media are provided in their original size.

Generally, the media referenced by a media URL do not change. When new media are uploaded for a product, a new media URL is communicated to you. That means you must (and need) not re-retrieve media to check for updates.



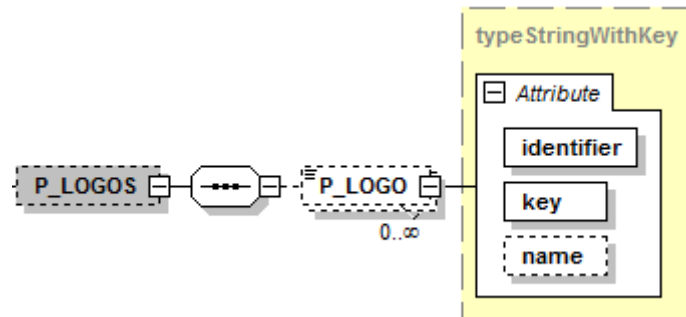
NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_MEDIADATA	N	XML	Product media
P_MEDIA	Y	CHAR (255)	URL of a piece of product media
P_MEDIA[type]	Y	CHAR(50)	Media type
P_MEDIA[sort]	Y	INT	Sorting within the product media
P_MEDIA[origname]	N	CHAR (255)	Original name of the file

Example XML

```
<P_MEDIADATA>
  <P_MEDIA type="image" sort="1">http://www.imageserver.tld/123.jpg</P_MEDIA>
  <P_MEDIA type="image" sort="2">http://www.imageserver.tld/124.jpg</P_MEDIA>
</P_MEDIADATA>
```

9.13 TBCATALOG / PRODUCTDATA / PRODUCT / P_LOGOS

Sometimes, logos are used to show standardised product features, e.g. care instructions, certificates or other product specifications (Bluetooth, etc.).



NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_LOGOS	N	XML	Product logos
P_LOGO	Y	XML	Product logo
P_LOGO[identifier]	Y	ENUM	Identifier for referencing ("name")
P_LOGO[key]	Y	CHAR(50)	Value for the reference indicated in <i>identifier</i>
P_LOGO[name]	N	CHAR (100)	Not relevant in this context

Example XML (key-based)

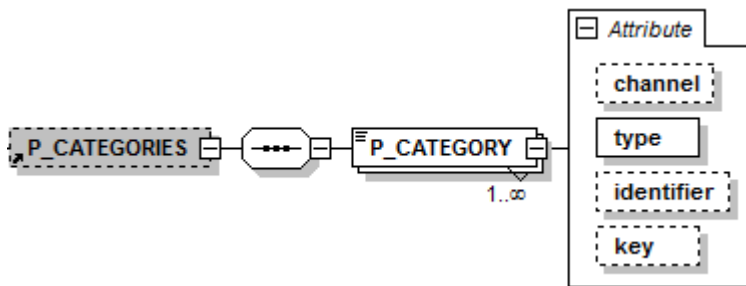
```
<P_LOGOS>
  <P_LOGO identifier="key" key="machine_wash" />
  <P_LOGO identifier="key" key="iron_left" />
</P_LOGOS>
```

or

```
<P_LOGOS>
  <P_LOGO identifier="key" key="machine_wash" name="Maschinenwäsche" />
  <P_LOGO identifier="key" key="iron_left" name="links bügeln" />
</P_LOGOS>
```

9.14 TBCATALOG / PRODUCTDATA / PRODUCT / P_CATEGORIES

Categories are not referenced by "name" but by "key" since category names are often quite long and unwieldy. You can determine the keys for the categories of your custom channel. These keys then have to be stored in TB.One. When a supplier exports a product's primary category in the product data catalogue, the respective key is transmitted along with it. Configure the channel to sort products into the correct shop category based on their keys



NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_CATEGORIES	N	XML	Product categories
P_CATEGORY	Y	CHAR (200)	Product category
P_CATEGORY[channel]	N	CHAR(12)	Channel sign
P_CATEGORY[type]	Y	ENUM	Type of the product category Possible values: primary = primary channel category secondary = secondary channel category
P_CATEGORY[identifier]	N	ENUM	Identifier for referencing ("key")
P_CATEGORY[key]	N	CHAR(50)	Value for the reference indicated in <i>identifier</i>

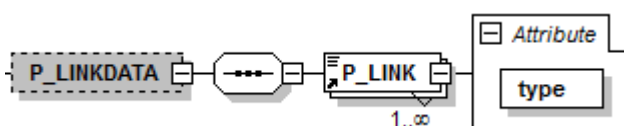
Example XML

```

<P_CATEGORIES>
  <P_CATEGORY channel="chxx" type="primary" identifier="key" key="T0815">
    Herren|Jacken|Freizeit
  </P_CATEGORY>
</P_CATEGORIES>
  
```

9.15 TBCATALOG / PRODUCTDATA / PRODUCT / P_LINKDATA

Product links are referenced by the product ID (P_NR) of the target product.



NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_LINKDATA	N	XML	Product links (cross-selling, ...)
P_LINK	Y	CHAR(50)	Linked product ID (P_NR)
P_LINK[type]	Y	ENUM	Link type
			cross Combination option / further articles
			accessory Accessory for the product
			device Product for the accessory
			upselling Recommendation
			alternative Alternative offer

Example XML

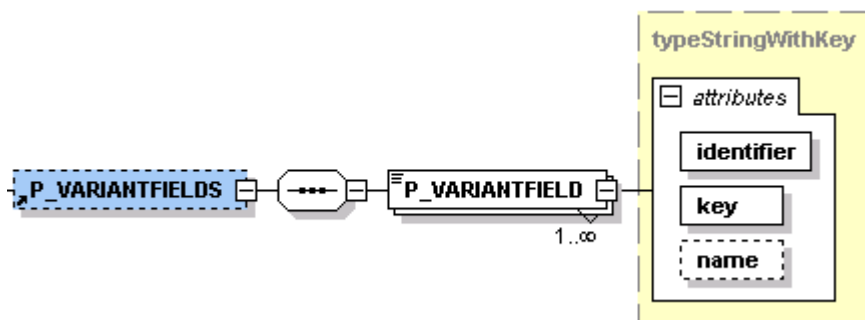
```

<P_LINKDATA>
  <P_LINK type="cross">75611</P_LINK>
  <P_LINK type="accessory">75595</P_LINK>
</P_LINKDATA>

```

9.16 TBCATALOG / PRODUCTDATA / PRODUCT / P_VARIANTFIELDS

If a product includes more than one article, it has at least one variant dimension. This node contains an overview of the variant dimensions used in the articles.



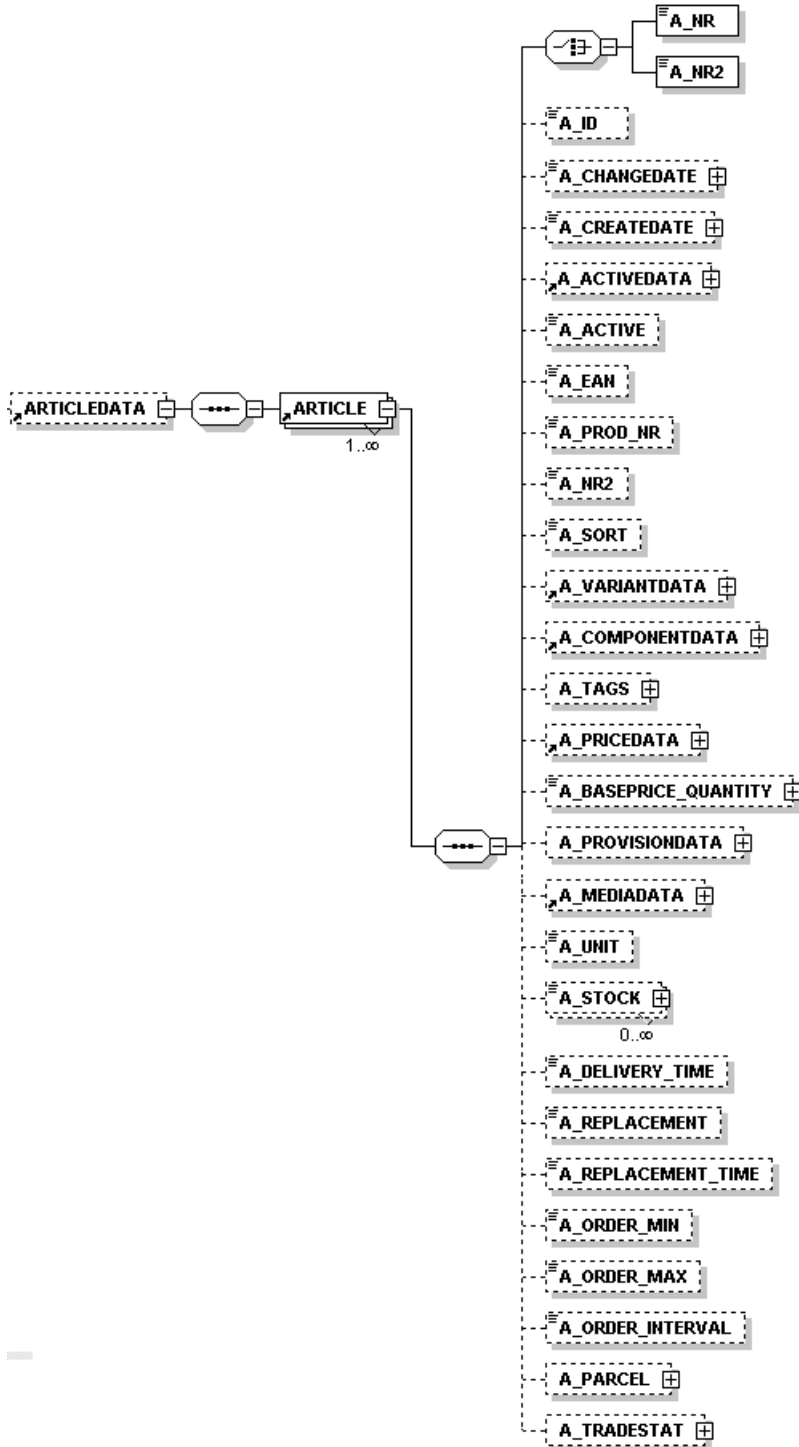
NODE	MANDAT.	DATA TYPE	DESCRIPTION
P_VARIANTFIELDS	N	XML	Variant dimensions
P_VARIANTFIELD	Y	CHAR(50)	Name of the variant forming component
P_VARIANTFIELD [identifier]	Y	CHAR(20)	Identifier for referencing ("name")
P_VARIANTFIELD [key]	Y	CHAR(50)	Value for the reference indicated in <i>identifier</i>
P_VARIANTFIELD [name]	N	CHAR (100)	Not relevant in this context

Example XML

```
<P_VARIANTFIELDS>
  <P_VARIANTFIELD identifier="name" key="Size">Size</P_VARIANTFIELD>
  <P_VARIANTFIELD identifier="name" key="Colour">Colour</P_VARIANTFIELD>
</P_VARIANTFIELDS>
```

9.17 TBCATALOG / PRODUCTDATA / PRODUCT / ARTICLEDATA

At least one article is transferred for each product. If more than one article is available for a product (variants), then at least one variant-forming component ([A VARIANTDATA](#)⁴⁴) is defined.

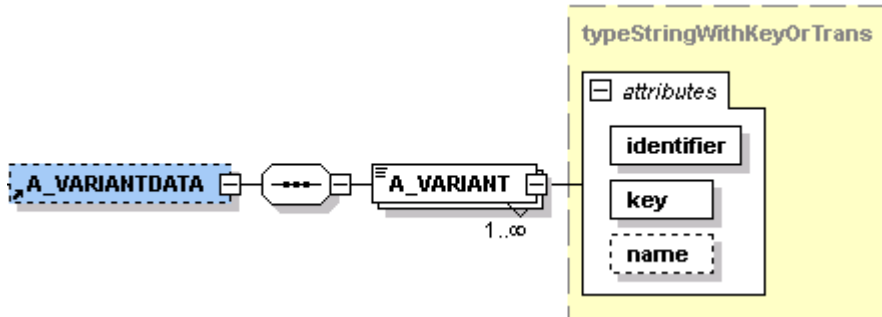


NODE	MANDAT.	DATA TYPE	DESCRIPTION
ARTICLEDATA	N	XML	Article data node
ARTICLE	Y	XML	Data for an article
A_NR	Y	CHAR(50)	Article number. This value may change.
A_ID	N	INT	Unique article ID from TB.One
A_CHANGEDATE	N	UNIX	Unix timestamp of the last article change
A_CREATEDATE	N	UNIX	Unix timestamp of the article creation
A_ACTIVATEDATA	N	XML	Activation flag for the article, containing the channel sign. Only active articles are exported to your system
A_ACTIVE	N	INT(0/1)	Article active, always 1; inactive articles are not exported to your system
A_EAN	N	INT(13) fixed	The article's EAN; 13 digits
A_PROD_NR	N	CHAR(50)	Manufacturer's article number
A_NR2	N	CHAR(50)	Additional secondary article number
A_SORT	N	INT	Article sorting within the product
A_VARIANTDATA ⁴⁴	N	XML	Variant values
A_COMPONENTDATA ⁴⁵	N	XML	Article components
A_TAGS ⁴⁶	N	XML	Article attributes
A_PRICEDATA ⁴⁷	N	XML	Price and tax information

NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_BASEPRICE_QUANTIT Y ⁴⁸	N	INT	Reference data for base price calculation
A_PROVISIONDATA	N	XML	Depending on the mode of invoicing, suppliers may use this node to transfer a percentage for calculating commissions.
A_MEDIADATA ⁴⁹	N	XML	Article media (e.g. images)
A_UNIT	N	ENUM	Unit of the article (the default is "ST" for "pieces"). Currently, the values ST, CM (centimetres) and QM (square meters) are supported. Floating-point numbers are not supported in orders/stock.
A_STOCK ⁵⁰	N	INT	Stock
A_DELIVERY_TIME	N	INT	Delivery time in working days
A_REPLACEMENT	N	INT(0/1)	Denotes the replaceability (1 = replaceable)
A_REPLACEMENT_TIME	N	INT	Replacement time in days
A_ORDER_MIN	N	INT	Defines a minimum order quantity
A_ORDER_MAX	N	INT	Defines a maximum order quantity
A_ORDER_INTERVAL	N	INT	Interval for the quantity in which articles can be ordered
A_PARCEL ⁵¹	N	XML	Information about shipping type and package measurements
A_TRADESTAT ⁵²	N	XML	Intrastat number and country of origin

9.18 TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_VARIANTDATA

If a product contains more than one article (variant), at least one variant dimension with the corresponding values exists. All of a product's variants have the same variant dimensions (e.g. "colour" and "size").



NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_VARIANTDATA	N	XML	Variant dimensions
A_VARIANT	Y	CHAR (255)	Variant dimension
A_VARIANT[identifier]	Y	ENUM	Identifier for referencing ("name")
A_VARIANT[key]	Y	CHAR(50)	Value for the reference indicated in <i>identifier</i>
A_VARIANT[name]	N	CHAR (100)	Not relevant in this context
VALUE xml:lang="lang"	N	TEXT	Definition of the language and value of the variant dimension

Example XML (key-based)

```

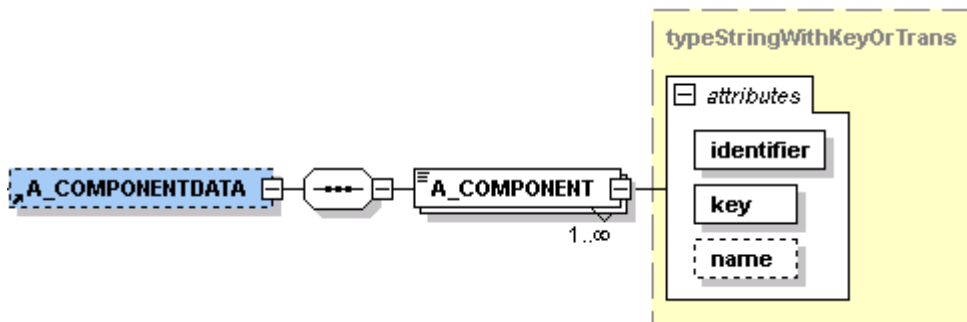
<A_VARIANTDATA>
  <A_VARIANT identifier="name" key="Farbe">
    <VALUE xml:lang="x-default">Hellgrün</VALUE>
  </A_VARIANT>
  <A_VARIANT identifier="name" key="Größe">
    <VALUE xml:lang="x-default">XL</VALUE>
  </A_VARIANT>
</A_VARIANTDATA>
  
```

9.19 TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_COMPONENTDATA

Components at the article level (also see [P_COMPONENTDATA](#)³³) differ for each article but do not form variants.



Example: A USB flash drive forms variants for the memory sizes 32 GB and 64 GB. The speed of the flash drive is dependent on the memory size - 32 and 45 MB/s. However, there is no flash drive with 32 GB and 45MB/s or 64GB and 32MB/s. The access speed could, therefore, be transmitted as an article component.



NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_COMPONENTDATA	N	XML	Article component
A_COMPONENT	Y	TEXT	Definition of a single article component
A_COMPONENT [identifier]	Y	ENUM	Identifier for referencing ("name")
A_COMPONENT[key]	Y	CHAR(50)	Value for the reference indicated in <i>identifier</i>
A_COMPONENT[name]	N	CHAR (100)	Not relevant in this context
VALUE xml:lang="lang"	N	TEXT	Definition of the language with a corresponding text

Example XML (key-based)

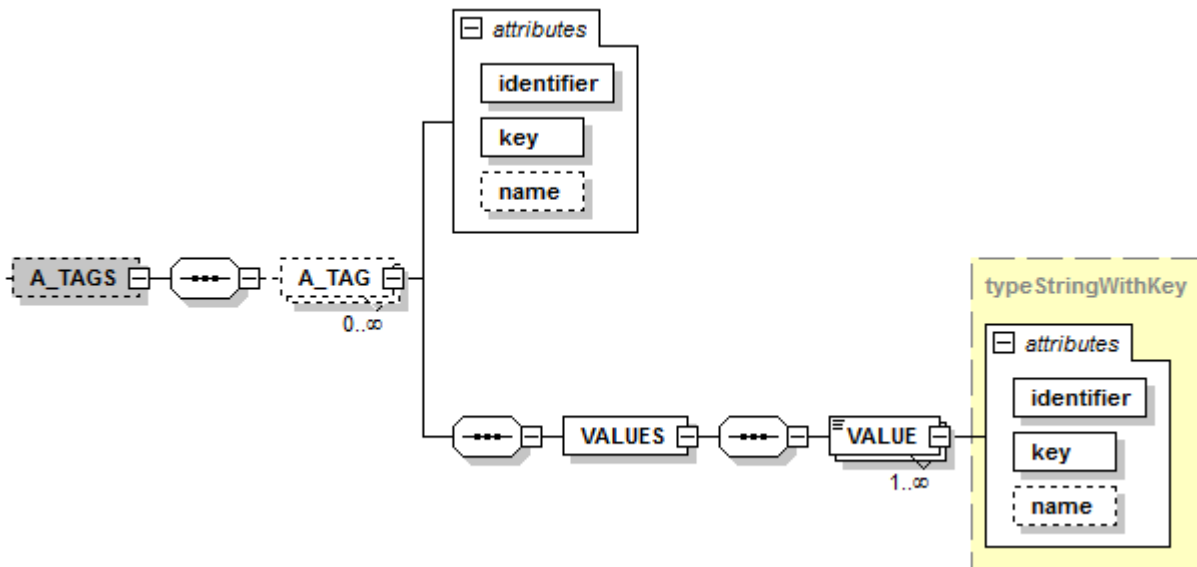
```

<A_COMPONENTDATA>
  <A_COMPONENT identifier="name" key="Geschwindigkeit">
    <VALUE xml:lang="x-default">45 MB/s</VALUE>
    <VALUE xml:lang="en-us">45 MB/s</VALUE>
  </A_COMPONENT>
</A_COMPONENTDATA>

```

9.20 TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_TAGS

Attribute on the article level (also see [P_TAGS](#)³⁴).

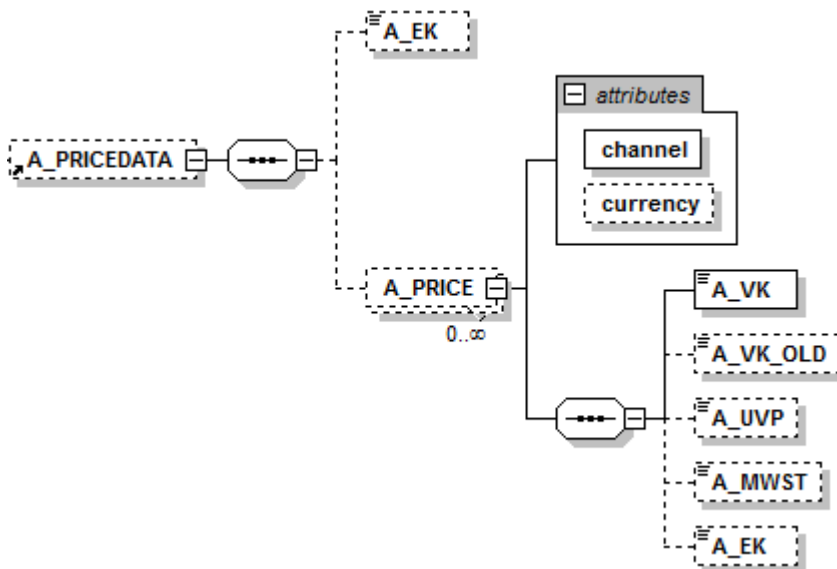


NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_TAGS	N	XML	Article attributes
A_TAG	Y	XML	Article attribute
A_TAG[identifier]	Y	ENUM	Identifier for referencing ("name")
A_TAG[key]	Y	CHAR(50)	Value for the reference indicated in <i>identifier</i>
A_TAG[name]	N	CHAR (100)	Not relevant in this context
VALUES	Y	XML	Attribute values
VALUE	Y	XML	Attribute value
VALUE[identifier]	Y	ENUM	Identifier for referencing ("name")
VALUE[key]	Y	CHAR(50)	Value for the reference indicated in <i>identifier</i>
VALUE[name]	N	CHAR (100)	Not relevant in this context

Example XML (key-based)

```
<A_TAGS>
  <A_TAG identifier="name" key="Basisfarbe">
    <VALUES>
      <VALUE identifier="name" key="Rot"/>
      <VALUE identifier="name" key="Grün"/>
    </VALUES>
  </A_TAG>
  <A_TAG identifier="name" key="Zielgruppe">
    <VALUES>
      <VALUE identifier="name" key="Herren" />
    </VALUES>
  </A_TAG>
</A_TAGS>
```

9.21 TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_PRICEDATA



NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_PRICEDATA	N	XML	Article prices
A_EK	N	FLOAT	Not used in the export
A_PRICE	Y	XML	Prices
A_PRICE[channel]	Y	CHAR(12)	Channel sign
A_PRICE[currency]	N	ENUM	Currency indicator
A_VK	Y	FLOAT	Retail price (gross)

NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_VK_OLD	N	FLOAT	Cross price (former price)
A_UVP	N	FLOAT	Manufacturer's suggested retail price (MSRP)
A_MWST	Y	INT	Indicator for the VAT rate 1 = reduced tax rate 2 = standard tax rate 3 = VAT exempt
A_EK	N	FLOAT	Optional purchase price (net)

Example XML

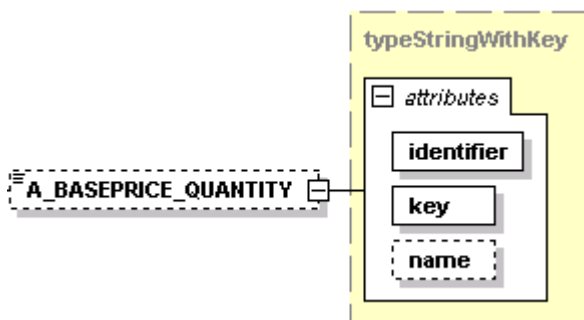
```

<A_PRICEDATA>
  <A_PRICE channel="chxx" currency="EUR">
    <A_VK>69.97</A_VK>
    <A_VK_OLD>89.95</A_VK_OLD>
    <A_UVP>99.95</A_UVP>
    <A_MWST>2</A_MWST>
    <A_EK>38.32</A_EK>
  </A_PRICE>
</A_PRICEDATA>

```

9.22 TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_BASEPRICE_QUANTITY

Information about quantity per pack and price reference for articles with a mandatory base price.



NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_BASEPRICE_QUANTIT Y	N	FLOAT	Fill quantity

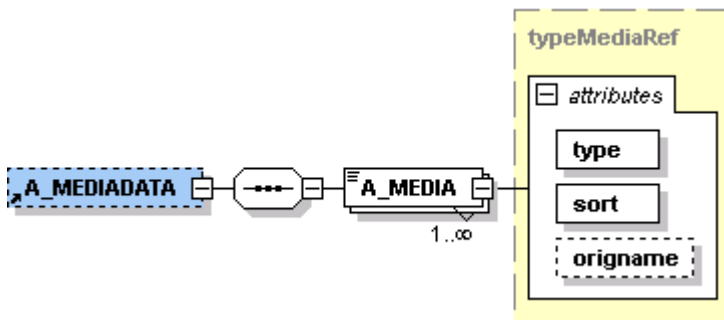
NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_BASEPRICE_QUANTIT Y [identifier]	Y	ENUM	Identifier for referencing ("name")
A_BASEPRICE_QUANTIT Y [key]	Y	CHAR(50)	Value for the reference indicated in <i>identifier</i>
A_BASEPRICE_QUANTIT Y [name]	N	CHAR (100)	Not relevant in this context

Example XML

```
<A_BASEPRICE_QUANTITY identifier="name" key="100ml">500</A_BASEPRICE_QUANTITY>
```

9.23 TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_MEDIADATA

Media at the article/variant level. These are usually media related directly to an article (e.g. showing a colour variant). See also: [P_MEDIADATA](#) ³⁵.



NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_MEDIADATA	N	XML	Article media
A_MEDIA	Y	CHAR (255)	URL referencing the article medium. If an image is valid for multiple variants, the URL has to be repeated in each variant.
A_MEDIA[type]	Y	ENUM	Media type

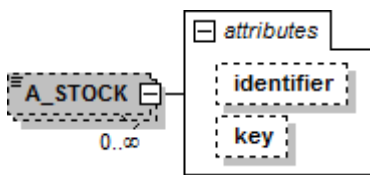
NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_MEDIA[sort]	Y	INT	Sorting within the article media
A_MEDIA[origname]	N	CHAR (255)	The file's original name

Example XML

```
<A_MEDIADATA>
  <A_MEDIA type="image" sort="1">http://www.imageserver.tld/123.jpg</A_MEDIA>
  <A_MEDIA type="image" sort="2">http://www.imageserver.tld/124.jpg</A_MEDIA>
</A_MEDIADATA>
```

The rules regarding media URLs stated for the node [P_MEDIADATA](#)³⁵ are valid for A_MEDIADATA as well.

9.24 TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_STOCK



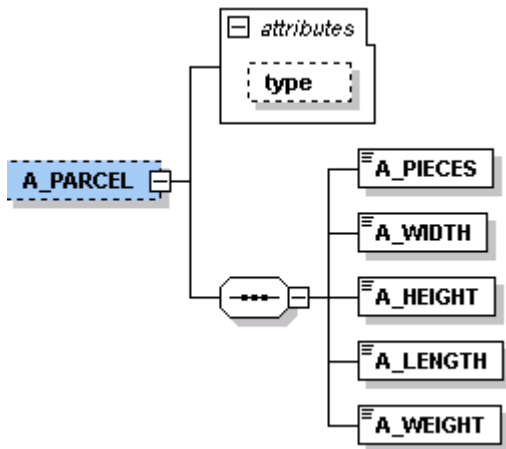
NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_STOCK	N	INT	Stock
A_STOCK[identifier]	Y	CHAR(20)	Not relevant in this context
A_STOCK[key]	Y	CHAR(20)	Not relevant in this context

Example XML

```
<A_STOCK>5</A_STOCK>
```

9.25 TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_PARCEL

Information about carriers and package dimensions.



NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_PARCEL	N	XML	Information about shipping type and package dimensions.
A_PARCEL[type]	N	CHAR(50)	Shipping type of the article.
A_PIECES	Y	INT	Number of packages (more than 1 packing unit)
A_WIDTH	Y	INT	Width across all packages of the article in cm
A_HEIGHT	Y	INT	Height across all packages of the article in cm
A_LENGTH	Y	INT	Length across all packages of the article in cm
A_WEIGHT	Y	FLOAT	Weight across all packages of the article in cm

Example XML

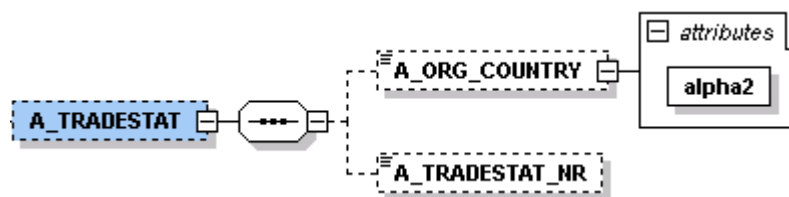
```

<A_PARCEL type="other_parcel">
  <A_PIECES>1</A_PIECES>
  <A_WIDTH>90</A_WIDTH>
  <A_HEIGHT>30</A_HEIGHT>
  <A_LENGTH>50</A_LENGTH>
  <A_WEIGHT>2.4</A_WEIGHT>
</A_PARCEL>

```

9.26 TBCATALOG / ... / ARTICLEDATA / ARTICLE / A_TRADESTAT

Information on country of origin and intrastat number.



NODE	MANDAT.	DATA TYPE	DESCRIPTION
A_TRADESTAT	N	XML	Tradestat information
A_ORG_COUNTRY[alpha 2]	Y	CHAR(2)	ISO 3166-1 alpha 2 code
A_TRADESTAT_NR	N	INT(8)	Intrastat number

Example XML

```

<A_TRADESTAT>
  <A_ORG_COUNTRY alpha2="DE" />
  <A_TRADESTAT_NR>94036090</A_TRADESTAT_NR>
</A_TRADESTAT>
  
```

10. EXAMPLES

10.1 PRODUCT WITH VARIANTS, MONOLINGUAL

```
<?xml version="1.0" encoding="UTF-8"?>
<TBCATALOG version="1.4" creation="1378277984" channel="cudokuacc1"
xml:xsd="http://www.w3.org/2001/XMLSchema">
  <PRODUCTDATA type="full">
    <PRODUCT>
      <P_NR>87</P_NR>
      <P_NR_EXTERNAL>5986</P_NR_EXTERNAL>
      <P_CHANGEDATE type="unix_timestamp">1378275377</P_CHANGEDATE>
      <P_CREATEDATE type="unix_timestamp">1365784128</P_CREATEDATE>
      <P_NAME>
        <VALUE xml:lang="x-default">Outdoor-Jacke Reinhold</VALUE>
      </P_NAME>
      <P_TEXT>
        <VALUE xml:lang="x-default">
          Die Outdoorjacke "Reinhold" ist eine außergewöhnlich robuste und
          funktionale Jacke! Durch das innovative G-1000 Eco und G-1000
          Heavy Duty-Material bietet sie eine enorme Widerstandsfähigkeit
          und einen effektiven Schutz vor Wind und Witterung, Kälte, Nässe
          und Sturm. Die Outdoorjacke "Reinhold" ist ein sehr
          anpassungsfähiger Allrounder für das ganze Jahr, die Sie
          begeistern wird.
        </VALUE>
      </P_TEXT>
      <P_BRAND identifier="name" key="Superjackenmeister"/>
      <P_KEYWORDS>
        <P_KEYWORD>
          <VALUE xml:lang="x-default">Kapuzenjacke</VALUE>
        </P_KEYWORD>
        <P_KEYWORD>
          <VALUE xml:lang="x-default">Anorak</VALUE>
        </P_KEYWORD>
        <P_KEYWORD>
          <VALUE xml:lang="x-default">Funktionskleidung</VALUE>
        </P_KEYWORD>
      </P_KEYWORDS>
      <P_COMPONENTDATA>
        <P_COMPONENT identifier="name" key="Material">
          <VALUE xml:lang="x-default">G-100 Eco, G-10 Heavy
            Duty</VALUE>
        </P_COMPONENT>
      </P_COMPONENTDATA>
      <P_TAGS>
        <P_TAG identifier="name" key="Geschlecht">
          <VALUES>
            <VALUE identifier="name" key="männlich" />
          </VALUES>
        </P_TAG>
      </P_TAGS>
      <P_BULLETS>
        <P_BULLET sort="10">
          <VALUE xml:lang="x-default">atmungsaktiv</VALUE>
        </P_BULLET>
        <P_BULLET sort="20">
          <VALUE xml:lang="x-default">wasserdicht</VALUE>
        </P_BULLET>
        <P_BULLET sort="30">

```

```

        <VALUE xml:lang="x-default">winddicht</VALUE>
    </P_BULLET>
</P_BULLETS>
<P_MEDIADATA>
    <P_MEDIA type="image"
    sort="0">http://foo.server/231.jpg</P_MEDIA>
    <P_MEDIA type="image"
    sort="1">http://foo.server/232.jpg</P_MEDIA>
</P_MEDIADATA>
<P_CATEGORIES>
    <P_CATEGORY channel="cudokuacc1" type="primary" identifier="key"
    key="hefr">Herren|Jacken|Freizeit</P_CATEGORY>
    <P_CATEGORY channel="cudokuacc1" type="secondary"
    identifier="key" key="heout">Herren|Jacken|Outdoor</P_CATEGORY>
</P_CATEGORIES>
<P_LINKDATA>
    <P_LINK type="cross">9</P_LINK>
    <P_LINK type="accessory">13</P_LINK>
</P_LINKDATA>
<P_VARIANTFIELDS>
    <P_VARIANTFIELD identifier="name"
    key="Farbe">Farbe</P_VARIANTFIELD>
    <P_VARIANTFIELD identifier="name"
    key="Größe">Größe</P_VARIANTFIELD>
</P_VARIANTFIELDS>
<ARTICLEDATA>
    <ARTICLE>
        <A_NR>3810b1s</A_NR>
        <A_ID>349</A_ID>
        <A_CHANGEDATE
        type="unix_timestamp">1378275525</A_CHANGEDATE>
        <A_CREATEDATE
        type="unix_timestamp">1370349820</A_CREATEDATE>
        <A_ACTIVATEDATA>
            <A_ACTIVE channel="cudokuacc1">1</A_ACTIVE>
        </A_ACTIVATEDATA>
        <A_ACTIVE>1</A_ACTIVE>
        <A_EAN>4250372205442</A_EAN>
        <A_PROD_NR>56894</A_PROD_NR>
        <A_NR2>381059</A_NR2>
        <A_VARIANTDATA>
            <A_VARIANT identifier="name" key="Farbe">
                <VALUE xml:lang="x-default">blau</VALUE>
            </A_VARIANT>
            <A_VARIANT identifier="name" key="Größe">
                <VALUE xml:lang="x-default">S</VALUE>
            </A_VARIANT>
        </A_VARIANTDATA>
        <A_COMPONENTDATA>
            <A_COMPONENT identifier="name" key="Kragen">
                <VALUE xml:lang="x-default">V-
                Ausschnitt</VALUE>
            </A_COMPONENT>
        </A_COMPONENTDATA>
        <A_TAGS>
            <A_TAG identifier="name" key="Basisfarbe">
                <VALUES>
                    <VALUE identifier="name" key="Blau"/>
                    <VALUE identifier="name"
                    key="Schwarz"/>
                </VALUES>
            </A_TAG>
        </A_TAGS>
    </ARTICLE>
</ARTICLEDATA>

```

```

        </A_TAG>
    </A_TAGS>
    <A_PRICEDATA>
        <A_PRICE channel="cudokuacc1" currency="EUR">
            <A_VK>87.99</A_VK>
            <A_VK_OLD>109.95</A_VK_OLD>
            <A_UVP>120.00</A_UVP>
            <A_MWST>2</A_MWST>
            <A_EK>59.90</A_EK>
        </A_PRICE>
    </A_PRICEDATA>
    <A_MEDIADATA>
        <A_MEDIA type="image"
            sort="1">http://foo.server/blau.jpg</A_MEDIA>
        <A_MEDIA type="image"
            sort="2">http://foo.server/bldet.jpg</A_MEDIA>
    </A_MEDIADATA>
    <A_UNIT>ST</A_UNIT>
    <A_STOCK>2</A_STOCK>
    <A_DELIVERY_TIME>3</A_DELIVERY_TIME>
    <A_REPLACEMENT>1</A_REPLACEMENT>
    <A_REPLACEMENT_TIME>5</A_REPLACEMENT_TIME>
    <A_ORDER_MIN>1</A_ORDER_MIN>
    <A_ORDER_MAX>2</A_ORDER_MAX>
    <A_ORDER_INTERVAL>1</A_ORDER_INTERVAL>
    <A_PARCEL type="MeinVersand">
        <A_PIECES>1</A_PIECES>
        <A_WIDTH>90</A_WIDTH>
        <A_HEIGHT>30</A_HEIGHT>
        <A_LENGTH>50</A_LENGTH>
        <A_WEIGHT>2.4</A_WEIGHT>
    </A_PARCEL>
    <A_TRADESTAT>
        <A_ORG_COUNTRY alpha2="DE"/>
        <A_TRADESTAT_NR>94036090</A_TRADESTAT_NR>
    </A_TRADESTAT>
</ARTICLE>
<ARTICLE>
    <A_NR>3810b1M</A_NR>
    <A_ID>350</A_ID>
    <A_CHANGEDATE
        type="unix_timestamp">1378275525</A_CHANGEDATE>
    <A_CREATEDATE
        type="unix_timestamp">1370349820</A_CREATEDATE>
    <A_ACTIVATEDATA>
        <A_ACTIVE channel="cudokuacc1">1</A_ACTIVE>
    </A_ACTIVATEDATA>
    <A_ACTIVE>1</A_ACTIVE>
    <A_EAN>4250372205443</A_EAN>
    <A_PROD_NR>56895</A_PROD_NR>
    <A_NR2>381059</A_NR2>
    <A_VARIANTDATA>
        <A_VARIANT identifier="name" key="Farbe">
            <VALUE xml:lang="x-default">blau</VALUE>
        </A_VARIANT>
        <A_VARIANT identifier="name" key="Größe">
            <VALUE xml:lang="x-default">M</VALUE>
        </A_VARIANT>
    </A_VARIANTDATA>

```

```

<A_COMPONENTDATA>
  <A_COMPONENT identifier="name" key="Kragen">
    <VALUE xml:lang="x-default">V-
    Ausschnitt</VALUE>
  </A_COMPONENT>
</A_COMPONENTDATA>
<A_TAGS>
  <A_TAG identifier="name" key="Basisfarbe">
    <VALUES>
      <VALUE identifier="name" key="Blau"/>
      <VALUE identifier="name"
      key="Schwarz"/>
    </VALUES>
  </A_TAG>
</A_TAGS>
<A_PRICEDATA>
  <A_PRICE channel="cudokuacc1" currency="EUR">
    <A_VK>87.99</A_VK>
    <A_VK_OLD>109.95</A_VK_OLD>
    <A_UVP>120.00</A_UVP>
    <A_MWST>2</A_MWST>
    <A_EK>59.90</A_EK>
  </A_PRICE>
</A_PRICEDATA>
<A_MEDIADATA>
  <A_MEDIA type="image"
  sort="1">http://foo.server/blau.jpg</A_MEDIA>
  <A_MEDIA type="image"
  sort="2">http://foo.server/bldet.jpg</A_MEDIA>
</A_MEDIADATA>
<A_UNIT>ST</A_UNIT>
<A_STOCK>2</A_STOCK>
<A_DELIVERY_TIME>3</A_DELIVERY_TIME>
<A_REPLACEMENT>1</A_REPLACEMENT>
<A_REPLACEMENT_TIME>5</A_REPLACEMENT_TIME>
<A_ORDER_MIN>1</A_ORDER_MIN>
<A_ORDER_MAX>2</A_ORDER_MAX>
<A_ORDER_INTERVAL>1</A_ORDER_INTERVAL>
<A_PARCEL type="MeinVersand">
  <A_PIECES>1</A_PIECES>
  <A_WIDTH>90</A_WIDTH>
  <A_HEIGHT>30</A_HEIGHT>
  <A_LENGTH>50</A_LENGTH>
  <A_WEIGHT>2.4</A_WEIGHT>
</A_PARCEL>
<A_TRADESTAT>
  <A_ORG_COUNTRY alpha2="DE"/>
  <A_TRADESTAT_NR>94036090</A_TRADESTAT_NR>
</A_TRADESTAT>
</ARTICLE>
</ARTICLEDATA>
</PRODUCT>
</PRODUCTDATA>
</TBCATALOG>

```

10.2 PRODUCT WITHOUT VARIANTS, MULTILINGUAL

```
<?xml version="1.0" encoding="UTF-8"?>
<TBCATALOG version="1.4" creation="1378277984" channel="cudokuacc1"
xml:xsd="http://www.w3.org/2001/XMLSchema">
  <PRODUCTDATA type="full">
    <PRODUCT>
      <P_NR>87</P_NR>
      <P_NR_EXTERNAL>5986</P_NR_EXTERNAL>
      <P_CHANGEDATE type="unix_timestamp">1378275377</P_CHANGEDATE>
      <P_CREATEDATE type="unix_timestamp">1365784128</P_CREATEDATE>
      <P_NAME>
        <VALUE xml:lang="x-default">Outdoor-Jacke Reinhold</VALUE>
        <VALUE xml:lang="en-us">Outdoor-Jacket Reinhold</VALUE>
      </P_NAME>
      <P_TEXT>
        <VALUE xml:lang="x-default">
          Die Outdoorjacke "Reinhold" ist eine außergewöhnlich
          robuste und funktionale Jacke! Durch das innovative
          Material bietet sie eine enorme Widerstandsfähigkeit und
          einen effektiven Schutz vor Wind und Witterung, Kälte,
          Nässe und Sturm. Die Outdoorjacke "Reinhold" ist ein
          anpassungsfähiger Allrounder, die Sie das ganze Jahr
          begeistern wird.
        </VALUE>
        <VALUE xml:lang="en-us">
          The outdoor jacket "Reinhold" is an exceptionally robust
          and functional jacket! Its innovative fabric offers you
          enormous durability and an effective protection from wind
          and weather, cold, wet and storm. The outdoor jacket
          "Reinhold" is a flexible all-rounder for the whole year,
          that will inspire you.
        </VALUE>
      </P_TEXT>
      <P_BRAND identifier="name" key="Superjackenmeister"/>
      <P_KEYWORDS>
        <P_KEYWORD>
          <VALUE xml:lang="x-default">Kapuzenjacke</VALUE>
          <VALUE xml:lang="en-us">Hoodie Jacket</VALUE>
        </P_KEYWORD>
        <P_KEYWORD>
          <VALUE xml:lang="x-default">Anorak</VALUE>
          <VALUE xml:lang="en-us">Anorak</VALUE>
        </P_KEYWORD>
        <P_KEYWORD>
          <VALUE xml:lang="x-default">Funktionskleidung</VALUE>
          <VALUE xml:lang="en-us">functional clothing</VALUE>
        </P_KEYWORD>
      </P_KEYWORDS>
      <P_COMPONENTDATA>
        <P_COMPONENT identifier="name" key="Länge">
          <VALUE xml:lang="x-default">110cm</VALUE>
          <VALUE xml:lang="en-us">110cm</VALUE>
        </P_COMPONENT>
        <P_COMPONENT identifier="name" key="Farbe">
          <VALUE xml:lang="x-default">blau</VALUE>
          <VALUE xml:lang="en-us">blue</VALUE>
        </P_COMPONENT>
      </P_COMPONENTDATA>
      <P_TAGS>
        <P_TAG identifier="name" key="Geschlecht">
```

```

        <VALUES>
            <VALUE identifier="name" key="männlich" />
        </VALUES>
    </P_TAG>
</P_TAGS>
<P_BULLETS>
    <P_BULLET sort="10">
        <VALUE xml:lang="x-default">atmungsaktiv</VALUE>
        <VALUE xml:lang="en-us">breathable</VALUE>
    </P_BULLET>
    <P_BULLET sort="20">
        <VALUE xml:lang="x-default">wasserdicht</VALUE>
        <VALUE xml:lang="en-us">waterproof</VALUE>
    </P_BULLET>
    <P_BULLET sort="30">
        <VALUE xml:lang="x-default">winddicht</VALUE>
        <VALUE xml:lang="en-us">windproof</VALUE>
    </P_BULLET>
</P_BULLETS>
<P_MEDIADATA>
    <P_MEDIA type="image"
    sort="0">http://foo.server/231.jpg</P_MEDIA>
    <P_MEDIA type="image"
    sort="1">http://foo.server/232.jpg</P_MEDIA>
</P_MEDIADATA>
<P_CATEGORIES>
    <P_CATEGORY channel="cudokuacc1" type="primary" identifier="key"
    key="hefr">Herren|Jacken|Freizeit</P_CATEGORY>
    <P_CATEGORY channel="cudokuacc1" type="secondary"
    identifier="key" key="heout">Herren|Jacken|Outdoor</P_CATEGORY>
</P_CATEGORIES>
<P_LINKDATA>
    <P_LINK type="cross">568</P_LINK>
    <P_LINK type="accessory">894</P_LINK>
</P_LINKDATA>
<ARTICLEDATA>
    <ARTICLE>
        <A_NR>5986</A_NR>
        <A_ID>105</A_ID>
        <A_CHANGEDATE
        type="unix_timestamp">1376396744</A_CHANGEDATE>
        <A_CREATEDATE
        type="unix_timestamp">1357648848</A_CREATEDATE>
        <A_ACTIVATEDATA>
            <A_ACTIVE channel="cudokuacc1">1</A_ACTIVE>
        </A_ACTIVATEDATA>
        <A_ACTIVE>1</A_ACTIVE>
        <A_EAN>4250372205442</A_EAN>
        <A_PROD_NR>56894</A_PROD_NR>
        <A_NR2>381059</A_NR2>
        <A_COMPONENTDATA>
            <A_COMPONENT identifier="name" key="Kragen">
                <VALUE xml:lang="x-default">V-
                Ausschnitt</VALUE>
                <VALUE xml:lang="en-us">V-neck</VALUE>
            </A_COMPONENT>
        </A_COMPONENTDATA>
        <A_TAGS>
            <A_TAG identifier="name" key="Basisfarbe">
                <VALUES>

```

```

                                <VALUE identifier="name" key="Blau"/>
                                <VALUE identifier="name"
                                key="Schwarz"/>
                            </VALUES>
                        </A_TAG>
                    </A_TAGS>
                <A_PRICEDATA>
                    <A_PRICE channel="cudokuacc1" currency="EUR">
                        <A_VK>87.99</A_VK>
                        <A_VK_OLD>109.95</A_VK_OLD>
                        <A_UVP>120.00</A_UVP>
                        <A_MWST>2</A_MWST>
                        <A_EK>59.90</A_EK>
                    </A_PRICE>
                </A_PRICEDATA>
                <A_MEDIADATA>
                    <A_MEDIA type="image"
                    sort="1">http://foo.server/blau.jpg</A_MEDIA>
                    <A_MEDIA type="image"
                    sort="2">http://foo.server/bldet.jpg</A_MEDIA>
                </A_MEDIADATA>
                <A_UNIT>ST</A_UNIT>
                <A_STOCK>20</A_STOCK>
                <A_DELIVERY_TIME>3</A_DELIVERY_TIME>
                <A_REPLACEMENT>1</A_REPLACEMENT>
                <A_REPLACEMENT_TIME>5</A_REPLACEMENT_TIME>
                <A_ORDER_MIN>1</A_ORDER_MIN>
                <A_ORDER_MAX>2</A_ORDER_MAX>
                <A_ORDER_INTERVAL>1</A_ORDER_INTERVAL>
                <A_PARCEL type="MeinVersand">
                    <A_PIECES>1</A_PIECES>
                    <A_WIDTH>90</A_WIDTH>
                    <A_HEIGHT>30</A_HEIGHT>
                    <A_LENGTH>50</A_LENGTH>
                    <A_WEIGHT>2.4</A_WEIGHT>
                </A_PARCEL>
                <A_TRADESTAT>
                    <A_ORG_COUNTRY alpha2="DE"/>
                    <A_TRADESTAT_NR>94036090</A_TRADESTAT_NR>
                </A_TRADESTAT>
            </ARTICLE>
        </ARTICLEDATA>
    </PRODUCT>
</PRODUCTDATA>
</TBCATALOG>

```