



Association Normeyes

**OPTO v11 Optic Catalogue
IMPLEMENTATION GUIDE
FOR FRAME, SHAPE, TRACE
AND DRILLING POINTS**

Business Domain: Optic – Supply Chain

Business Process: Catalogue Process

Document Identification:

Title: OPTO v11 Optic Catalogue

Document location:

Version: 1.00

Release: r19

Date of AEO approval: 2024-08-30

Document Summary

Document Item	Current Value
Document Title	OPTO v11 Optic Catalogue Implementation Guide for Frame, Shape, Trace and Drilling Points
Date Last Modified	2019-07-23
Current Document Issue	Issue #18
Status	Release
Document Description (one sentence summary)	Implementation guide for product optic catalogue.

Contributors

Name	Organization
DROUIN Julien	iZySolutions
LEROY Jean-Christophe	Normeyes
RIVALLAIN Alexandre	Normeyes
DUBOIS Freddy	iZySolutions
DEUDON Jean-Baptiste	iZySolutions
DUCHENE Maxime	iZySolutions

Log of Changes

Issue No.	Date of Change	Changed By	Summary of Change
#1	2009-10-14	Julien DROUIN	Creation
#14	2010-04-04	Alexandre RIVALLAIN	Revision and multiple minor corrections.
#15	2011-03-31	Jean-Christophe LEROY	Updated references Modified Classification and characteristics references. Added chapter 5.
#16	2012-04-15	Jean-Christophe LEROY	Improved English wording Modified Classification and characteristics references. Added information related to traces and drilling points. Added references to ISO 10685. Suppressed reference to data #983, #1010, #1012 Updated image examples.
#17 Beta	2014-10-06	Jean-Christophe LEROY	
#17	2016-11-15	Freddy DUBOIS	
#18	2019-06-27	Jean-Baptiste DEUDON	Updated document for R18 release
#18	2019-07-18	Jean-Baptiste DEUDON	Added the Additional Information part in 5.1 Added missing characteristics

Issue No.	Date of Change	Changed By	Summary of Change
#19	2024-07-24	Maxime DUCHENE	Updated document for R19 release

TABLE OF CONTENTS

Association Normeyes	Erreur ! Signet non défini.
1. Preamble	6
2. References	6
3. Objective	7
4. Implementation of a Frame catalogue	8
5. OPTO v11 Optic Catalogue components for frames	9
5.1. Contained Optic Catalogue Item (Optic Catalogue)	9
5.1.1. Identifier	9
5.1.2. Action code	9
5.1.3. Last Changed Date Time	9
5.1.4. Multimedia Presentation Picture	10
5.2. Applicable Optic Trade Agreement (Optic Catalogue Item) (1..1)	10
5.2.1. Specified Optic Price information (Optic Trade agreement)	11
5.2.1.1. Assigned Optic Price	11
5.2.1.1.1. Charge Amount	11
5.2.1.1.2. Type Code	11
5.2.1.2. Validity Delimited Period	11
5.2.2. Action code	12
5.2.3. Last Changed Date Time	12
5.3. Referenced Optic Product (Optic Catalogue Item)	12
5.3.1. Specified Optic Product Identification (Optic Product)	13
5.3.2. Name	13
5.3.3. Color Code	13
5.3.4. Color Description	13
5.3.5. Applicable Optic CEN Restriction (Optic Product)	14
5.3.5.1. Identifier	14
5.3.5.2. Category Identifier	14
5.3.6. Designated Optic Product Classification (Optic Product)	15
5.3.6.1. Applicable Optic Product Characteristic (Optic Product Classification)	16
5.3.7. Composed Optic Material (Optic Product)	20
5.3.7.1. Identifier	20
5.3.7.2. Applicable Optic Product Characteristic (Composed Optic Material)	21
5.3.7.2.1. Related Optic Product Classification (Applicable Optic Product Characteristic)	21
5.3.8. Serial Number Indicator	22
5.3.9. Brand Identifier	22
5.3.10. Brand Name	22
5.3.11. Sub Brand Identifier	23
5.3.12. Sub Brand Name	23
5.3.13. Model Name	23
6. OPTO v11 Optic Catalogue components for shapes	24
6.1. Contained Optic Catalogue Item (Optic Catalogue)	24

6.1.1.	Identifier.....	24
6.1.2.	Action code.....	24
6.1.3.	Multimedia Presentation Picture.....	24
6.2.	Referenced Optic Product (Optic Catalogue Item)	25
6.2.1.	Specified Optic Product Identification (Optic Product)	25
6.2.2.	ShortDescription.....	25
6.2.3.	Designated Optic Product Classification (Optic Product).....	25
7.	OPTO v11 Optic Catalogue components for traces	26
7.1.	Contained Optic Catalogue Item (Optic Catalogue)	26
7.1.1.	Identifier.....	26
7.1.2.	Action code.....	26
7.2.	Referenced Optic Product (Optic Catalogue Item)	26
7.2.1.	Specified Optic Product Identification (Optic Product)	26
7.2.2.	Designated Optic Product Classification (Optic Product).....	27
7.2.2.1.	Applicable Optic Product Characteristic (Optic Product Classification).....	27
8.	OPTO v11 Optic Catalogue components for drilling points.....	28
8.1.	Contained Optic Catalogue Item (Optic Catalogue)	28
8.1.1.	Identifier.....	28
8.1.2.	Action code.....	28
8.2.	Referenced Optic Product (Optic Catalogue Item)	28
8.2.1.	Specified Optic Product Identification (Optic Product)	28
8.2.2.	Designated Optic Product Classification (Optic Product).....	29
8.2.2.1.	Applicable Optic Product Characteristic (Optic Product Classification).....	29
9.	How to	30

1. Preamble

This document describes the detailed mapping of the frame, of the shape, of the trace and of the drilling points information into the OPTO v11 Optic Catalogue format. This document must be used in conjunction with the ebXML scheme and the Business Requirement Specification (BRS).

In addition, the reader shall refer to additional documents available as part of the Normeyes OPTO v11 package, such as the data dictionary and the classification (see XML document describing Classes and Properties).

2. References

- OPTO v11 Optic Catalogue – Read me
- OPTO v11 Optic Catalogue – Understanding the ebXML Strategy
- OPTO v11 Optic Catalogue – Business Requirements Specification
- OPTO v11 Optic Catalogue – Requirements Specification Mapping
- OPTO v11 Optic Catalogue – Data dictionary

The following XML schema and XML documents are also used for reference:

- CatalogueManifest_1p1p2.xsd
- OpticReusableAggregateBusinessInformationEntity_0p1p1.xsd
- OpticClassifications_v1.0r17.xsd
- OpticQualifiedDataType_1p1p0.xsd
- Optic_CharacteristicTypeCode_1p0.xsd
- Optic_ActionCode_1p1.xsd
- Optic_StatusCode_1p1.xsd
- Optic_DocumentTypeCode_1p1.xsd

This guide provides implementation support for the following ISO standards:

- ISO 10685-1: Spectacle frames and sunglasses electronic catalogue and identification – Part 1: Product identification and electronic catalogue product hierarchy
- ISO 10685-2: Spectacle frames and sunglasses electronic catalogue and identification – Part 2: Commercial information
- ISO 10685-3: Spectacle frames and sunglasses electronic catalogue and identification – Part 3: Technical information

Additional implementation guides are available for specific product implementation:

- Implementation guide – classification
- OPTO v11 Optic Catalogue – Implementation guide – common parts
- OPTO v11 Optic Catalogue – Implementation guide for lens
- OPTO v11 Optic Catalogue – Implementation guide for contact lens and care product
- OPTO v11 Optic Catalogue – Implementation guide for accessories
- OPTO v11 Optic Catalogue – Implementation guide for packs
- OPTO v11 Optic Catalogue – Implementation guide for controls

3. Objective

This document aims at assisting various stakeholders in the distribution chain of the catalogue to implement the OPTO v11 ebXML Optic Catalogue process.

The guide includes several sections:

- Chapter 4 provides the reader with a general understanding of the implementation of a Frame catalogue.
- Chapter 5 details the content of each element included in a Frame Catalogue Item..
- Chapter 6 details the content of each element included in a Shape Catalogue Item.
- Chapter 7 details the content of each element included in a Trace Catalogue Item.
- Chapter 8 details the content of each element included in a Drilling Points Catalogue Item.
- Chapter 9 explains how to associate frames, shapes, traces and drilling points.

In chapter 5 to 8, the description of each XML tag includes: the mapping to the data reference number in data dictionary, possible values and attributes, implementation rules and a sample demonstrating the use of the XML Tag. To detail elements in a logical order, the author has used the exact same order that is used in the Business Requirement Specification

The Implementation guide is subject to evolutions. It shall be considered as the repository of any information useful to successfully implement the OPTO v11 ebXML Optic Catalogue process.

4. Implementation of a Frame catalogue

5. OPTO v11 Optic Catalogue components for frames

5.1. Contained Optic Catalogue Item (Optic Catalogue)

Mandatory Element (1..n)

Description: Frame item.

Example:

<ContainedOpticCatalogueItem>

...

</ContainedOpticCatalogueItem>

5.1.1. Identifier

Data Number = NOT IN DICTIONNARY

Mandatory Element

Description: Unique identifier of the frame catalogue item.

Data Type: ID (item sequence number in auto increment)

This identifier must be unique within the catalogue.

Example:

<ID>000012345</ID>

5.1.2. Action code

Data Number = #995

ISO 10685 Tag = datastatus

Mandatory Data

Description: Code specifying the status of the information related to the frame.

Data Type: Action Code

List of values:

- 1 : new, modified
- 2 : deleted

Example

<ActionCode>1</ActionCode>

Note for point of sale: When you delete a catalogue item you have to delete the item with corresponding Product identification (ProductID, IssuingPartyID and ExtendedProductID)

5.1.3. Last Changed Date Time

Data Number = #996

ISO 10685 Tag = dataupdatedate

Mandatory Data

Description: Date or date time of the last change affecting the frame.

Data Type: Date Time

Example:

<LastChangedDateTime>2009-12-17T00:00:00.0Z</LastChangedDateTime>

5.1.4. Multimedia Presentation Picture

Data Number = #512

ISO 10685 Tag = image

Optional Data (0..n)

Description: Pictures of the frame.

Data Type: http address

Example:

```
<MultimediaPresentationPicture>
  <DigitalImageBinaryObject uri="CollectionXYZ/SFR_model123.jpg"/>
</MultimediaPresentationPicture>
```

Limitation

All pictures used for the same model should be stored in the same repository.

Sample

Common URL: «http://www.Normeyes.org/images/»

Additional URL: «Collection%20XYZ/SFR_model123.jpg»

Pictures URL:

«http://www.Normeyes.org/images/Collection%20XYZ/S_model123.jpg»

«http://www.Normeyes.org/images/Collection%20XYZ/F_model123.jpg»

«http://www.Normeyes.org/images/Collection%20XYZ/R_model123.jpg»

5.1.5. Additional Information

Data Number = #1070

Optional Data (0..n)

Description: Frame marketing text.

Data Type: String

Example:

```
<AdditionalInformation languageID="en-us">Black spectacle frame</AdditionalInformation>
```

5.2. Applicable Optic Trade Agreement (Optic Catalogue Item) (1..1)

Mandatory Element

Description: Applicable optic trade agreement of the frame.

Example:

```
<ApplicableOpticTradeAgreement>
...
</ApplicableOpticTradeAgreement>
```

5.2.1. Specified Optic Price information (Optic Trade agreement)

Optional Element

Description: A price list for the frame.

Example:

```
<SpecifiedOpticPriceInformation>
...
</SpecifiedOpticPriceInformation>
```

5.2.1.1. Assigned Optic Price

Mandatory Data (1..n)

Description: Price amount for the frame.

Data Type: OpticPrice

Example:

```
<AssignedOpticPrice>
...
</AssignedOpticPrice>
```

5.2.1.1.1. Charge Amount

Data Number:

- #979 : Mandatory Data, ISO 10685 Tag = msrp
- #981 : Optional Data, ISO 10685 Tag = prc

Description: Actual price of the frame (either wholesale standard price list or standard resell price).

Data Type: Amount

Example:

```
<ChargeAmount currencyID="EUR">312.30</ChargeAmount>
```

5.2.1.1.2. Type Code

Data Number:

- #980: Mandatory Data
- #982: Optional Data

Description: Code specifying the type of price of the frame.

Data Type: Price Code

List of values:

If Type Code is associated to data #981 (ISO 10685 Tag = msrp):

- AAA: purchase price according to standard price list, VAT excluded (#980)

If Type Code is associated to data #979 (ISO 10685 Tag = prc):

- AAD: recommended selling price, tax excluded (#982)

Example:

```
<TypeCode>AAA</TypeCode>
```

5.2.1.2. Validity Delimited Period

Data Number = #474 (start date) and #1016 (end date)

ISO 10685 Tag = sdtpl or msrpdtp**Optional Element**

Description: Start date of price list

Data Type: Period

Example:

```
<ValidityDelimitedPeriod>
  <StartDateTime>2001-12-17T00:00:00.0Z</StartDateTime>
  <EndDateTime>2005-12-17T00:00:00.0Z</EndDateTime>
</ValidityDelimitedPeriod>
```

Note: the StartDate of the price list shall be considered as the first day of validity of the price list.

5.2.2. Action code

Data Number = #995

ISO 10685 Tag = datastatus

Mandatory Data

Description: The code specifying the status of the trade agreement.

Data Type: Action Code

List of values:

- 1 : new, modified
- 2 : deleted

Example

```
<ActionCode>1</ActionCode>
```

Note: the data mapped into this XML element is identical to the data mapped into the data element described in §5.1.2.

5.2.3. Last Changed Date Time

Data Number = #996

ISO 10685 Tag = dataupdatedate

Mandatory Data

Description: Date or date time of the last change affecting the frame price.

Data Type: Date Time

Example:

```
<LastChangedDateTime>2009-12-17T09:30:47.0Z</LastChangedDateTime>
```

Note: the data mapped into this XML element is identical to the data mapped into the data element described in §5.1.3.

5.3. Referenced Optic Product (Optic Catalogue Item)**Mandatory Element**

Description: The optic product describing the frame.

Example:

```
<ReferencedOpticProduct>
```

...

<ReferencedOpticProduct>

5.3.1. Specified Optic Product Identification (Optic Product)

Data Number =

- #468

ISO 10685 Tag = gtin14

Mandatory Data

Description: Product code

- #1055

Optional Data

Description : Ordering product code

If this data is not filled, you have to use the product code in the Edi order.

Example:

```
<SpecifiedOpticProductIdentification>
  <ID schemeID="GTIN">00012345600012</ID>
</SpecifiedOpticProductIdentification>
<SpecifiedOpticProductIdentification>
  <ID schemeID="SA">XP1015 03 5118</ID>
</SpecifiedOpticProductIdentification>
```

5.3.2. Name

Data Number = #466

ISO 10685 Tag = mdesc

Optional Data (0..*)

Description: Marking of the frame

Data Type: String

Example:

```
<Name languageID="en-us">XTROP 880 44 22 145</Name>
```

5.3.3. Color Code

Data Number = #516

ISO 10685 Tag = mcolc

Mandatory Data

Description: Manufacturer color code.

Data Type: Code

Example:

```
<ColorCode>144</ColorCode>
```

5.3.4. Color Description

Data Number = #481

ISO 10685 Tag = mcoldes

Optional Data

Description: The description for the color of the frame

Data Type: String

The format supports several languages.

Example:

`<ColorDescription languageID="en-us">Description of the color</ColorDescription>`

5.3.5. Applicable Optic CEN Restriction (Optic Product)**Optional Element – Only for sunglasses**

Description: A directive on the restriction of the driver's use of sunglass.

Example:

`<ApplicableOpticCENRestriction>`

...

`<ApplicableOpticCENRestriction>`

5.3.5.1. Identifier**Mandatory Data**

Data Number = #492

ISO 10685 Tag = rtyp

Description: The unique identifier for this CEN restriction.

Data Type: ID

List of values:

- **0**: No restriction
- **1**: Not recommended for driving at night
- **2**: Not recommended for driving

Example:

`<ID>0</ID>`

5.3.5.2. Category Identifier**Mandatory Data**

Data Number = #493

ISO 10685 Tag = ctyp

Description: The unique identifier for the category of this CEN restriction.

Data Type: ID

List of values:

- **0**: Category 0 (80%< Tv <=100%) - Comfort
- **1**: Category 1 (43%< Tv <=80%) - Low luminosity
- **2**: Category 2 (18%< Tv <=43%) - Average luminosity
- **3**: Category 3 (8%< Tv <=18%) - High Luminosity
- **4**: Category 4 (3%< Tv <= 8%) - Exceptional Luminosity

Example:

<CategoryID>0</CategoryID>

5.3.6. Designated Optic Product Classification (Optic Product)

Mandatory Data

Data Number = #477 and #1027

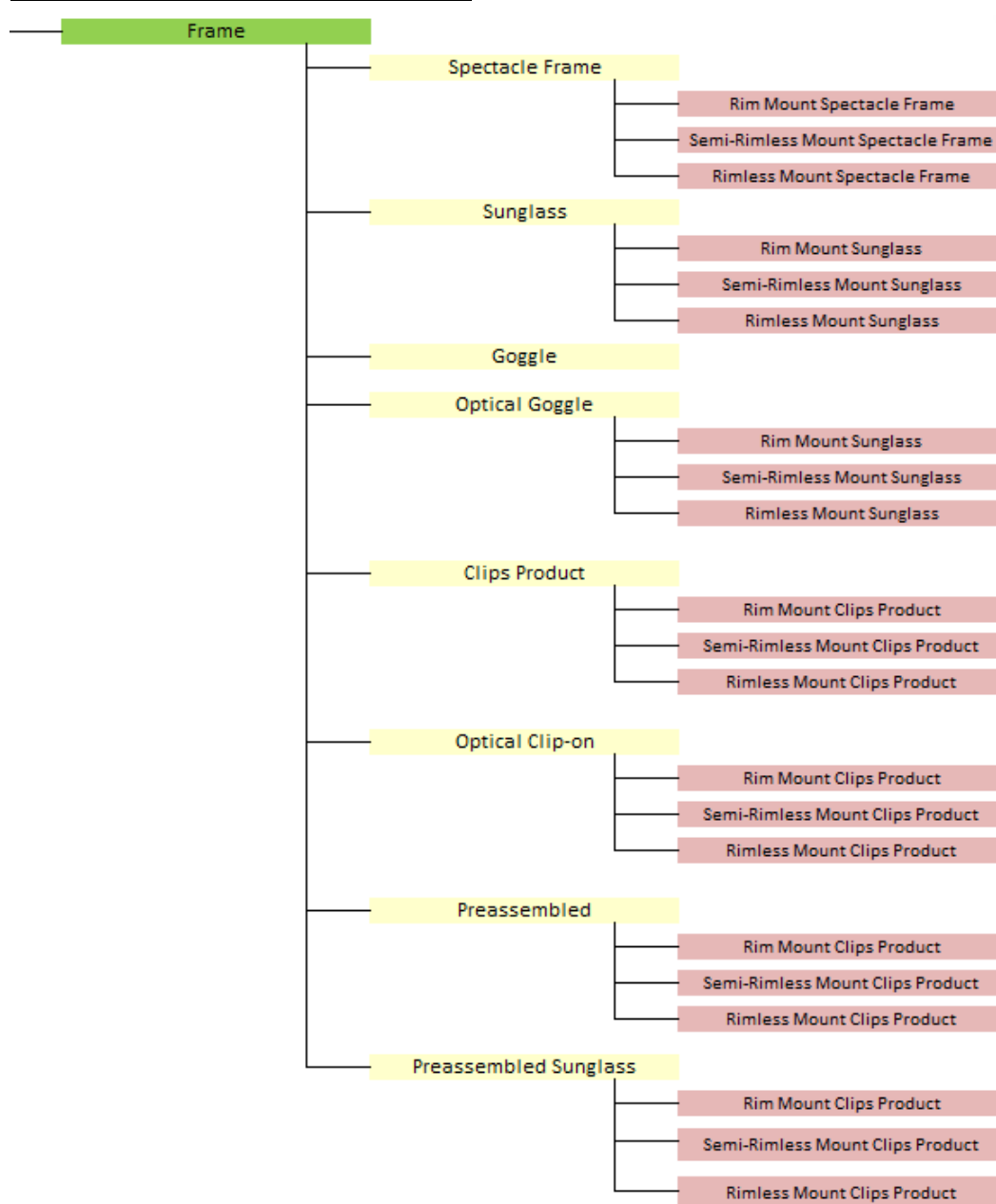
ISO 10685 Tag = pclass and ftyp

Description: Class code assigned to the frame.

A product can belong to one class only.

Please refer to the *Implementation guide – classification* and the *OPTO v11 Optic Catalogue – Implementation guide – common parts* for detailed information on how to add an optic product classification with characteristics.

Notes about classification for Frames:



5.3.6.1. Applicable Optic Product Characteristic (Optic Product Classification)

Optional Element

Example:

```
<ApplicableOpticProductCharacteristic>
```

```
...
```

```
</ApplicableOpticProductCharacteristic>
```

Please refer to the *Implementation guide – classification and the OPTO v11 Optic Catalogue – Implementation guide – common parts* for detailed information on how to add characteristics.

Frame Product

FrameClass

977	Custom code	false
479	Type of user code	true
978	Type of use code	false
985	NRF color code	false
1029	Additional specifications	false
997	Lens former availability	false
482	Nominal horizontal lens size	true
518	Nominal distance between lenses	true
998	Lens width	false
999	Lens height	false
1000	Distance between lenses	false
986	Frame effective diameter	false
1041	Product code (trace)	false
1001	Type of lens edge	false
1036	Ability to insert and retain	false
1061	Spare parts available	true

SpectacleFrameClass

ID	Name	Mandatory	ISO10685
485	Nominal overall length of side	true	lsize
1028	Joint spring	false	jntspg
1021	Overall length of side	false	tmplng
519	Frame pantoscopic angle (angle of side)	false	panto
1008	Frame curve in diopter	false	fcrv
1004	Face form angle	false	ffang
1040	Frame processing instructions	false	fprodesc

RimMountSpectacleFrameClass

No specific characteristic

SemiRimlessMountSpectacleFrameClass

ID	Name	Mandatory	ISO10685
1002	Groove depth in the lens of a semi-rimless	false	gdepth
1003	Groove width in the lens of a semi-rimless	false	gwidth

RimlessMountSpectacleFrameClass

ID	Name	Mandatory	ISO10685
1032	Product code (shape)	false	shpid
1042	Product code (drilling points)	false	drillid

SunglassClass

ID	Name	Mandatory	ISO10685
485	Nominal overall length of side	true	lsize
1015	Lens ID	true	lens
988	Lens base curve	false	Lsbcurv
993	Lens description	false	ldes
1017	Filtration type of the lens	false	fltype
1028	Joint spring	false	jntspg
1021	Overall length of side	false	tmplng
519	Frame pantoscopic angle (angle of side)	false	panto
1008	Frame curve in diopter	false	fcrv
1004	Face form angle	false	ffang
1040	Frame processing instructions	false	fprocdesc

RimMountSunglassClass

No specific characteristic

SemiRimlessMountSunglassClass

ID	Name	Mandatory	ISO10685
1002	Groove depth in the lens of a semi-rimless	false	gdepth
1003	Groove width in the lens of a semi-rimless	false	gwidth

RimlessMountSunglassClass

ID	Name	Mandatory	ISO10685
1032	Product code (shape)	false	shpid
1042	Product code (drilling points)	false	drillid

ClipsProductClass

ID	Name	Mandatory	ISO10685
1015	Lens ID	false	lens
988	Lens base	false	Lsbcurv
993	Lens description	false	ldes

1017	Filtration type of the lens	false	fltype
------	-----------------------------	-------	--------

RimMountClipsProductClass

No specific characteristic

SemiRimlessClipsProductClass

ID	Name	Mandatory	ISO10685
1002	Groove depth in the lens of a semi-rimless	false	gdepth
1003	Groove width in the lens of a semi-rimless	false	gwidth

RimlessMountClipsProductClass

ID	Name	Mandatory	ISO10685
1032	Product code (shape)	false	shpid
1042	Product code (drilling points)	false	drillid

GoggleProductClass

ID	Name	Mandatory	ISO10685
485	Nominal overall length of side	false	lsize
1015	Lens ID	false	lens
993	Lens description	false	ldes
1017	Filtration type of the lens	false	fltype
1028	Joint spring	false	jntspg
1021	Overall length of side	false	tmplng
519	Frame pantoscopic angle	false	panto

PreassembledFrameProductClass

ID	Name	Mandatory	ISO10685
485	Nominal overall length of side	true	lsize
988	Lens base curve	false	lsbcurv
993	Lens description	false	ldes
1004	Face form angle	false	ffang
1015	Lens ID	true	lens
1021	Overall length of side	false	tmplng
1028	Joint spring	false	jntspg
1062	Delivery range	false	

PreassembledSunglassProductClass

ID	Name	Mandatory	ISO10685
485	Nominal overall length of side	true	lsize
519	Frame pantoscopic angle (angle of side)	False	panto
988	Lens base curve	false	lsbcurv
993	Lens description	false	ldes
1004	Face form angle	false	ffang
1015	Lens ID	true	lens
1017	Filtration type of the lens	False	fltype
1021	Overall length of side	false	tmplng
1028	Joint spring	false	jntspg
1062	Delivery range	false	

RimMountPreassembledSunglassClass

No specific characteristic

SemiRimlessMountPreassembledSunglassClass

ID	Name	Mandatory	ISO10685
1002	Groove depth in the lens of a semi-rimless	false	gdepth
1003	Groove width in the lens of a semi-rimless	false	gwidth

RimlessMountPreassembledSunglassClass

ID	Name	Mandatory	ISO10685
450	Reference to shapes	false	
1074	Product code (drilling points)	false	
1075	Product code (shape)	false	

OpticalClipOnProductClass

ID	Name	Mandatory	ISO10685
1015	Lens ID	false	lens
988	Lens base	false	lsbcurv
519	Frame pantoscopic angle (angle of side)	False	panto
993	Lens description	false	ldes

RimMountOpticalClipOnClass

No specific characteristic

SemiRimlessMountOpticalClipOnClass

ID	Name	Mandatory	ISO10685
1002	Groove depth in the lens of a semi-rimless	false	gdepth
1003	Groove width in the lens of a semi-rimless	false	gwidth

RimlessMountOpticalClipOnClass

ID	Name	Mandatory	ISO10685
450	Reference to shapes	false	
1074	Product code (drilling points)	false	
1075	Product code (shape)	false	

GoggleProductClass

ID	Name	Mandatory	ISO10685
485	Nominal overall length of side	false	lsize
1015	Lens ID	false	lens
993	Lens description	false	ldes
1004	Face form angle	False	ffang
1028	Joint spring	false	jntspg
1021	Overall length of side	false	tmpng
519	Frame pantoscopic angle	false	panto

RimMountOpticalGoggleClass

No specific characteristic

SemiRimlessMountOpticalGoggleClass

ID	Name	Mandatory	ISO10685
1002	Groove depth in the lens of a semi-rimless	false	gdepth
1003	Groove width in the lens of a semi-rimless	false	gwidth

RimlessMountOpticalGoggleClass

ID	Name	Mandatory	ISO10685
450	Reference to shapes	false	
1074	Product code (drilling points)	false	
1075	Product code (shape)	false	

Please note that ISO standard 10685-1, 10685-2, 10685-3 provide detailed information about fields to be mapped into the Frame catalogue. Please refer to these standards.

5.3.7. Composed Optic Material (Optic Product)

5.3.7.1. Identifier

Data Number = NOT IN DICTIONNARY

Mandatory Element

Description: Unique identifier of the frame material.

Data Type: ID (item sequence number in auto increment)

This identifier must be unique within the catalogue.

Example:

<ID>000012345</ID>

5.3.7.2. Applicable Optic Product Characteristic (Composed Optic Material)

Optional Element

Example:

```
<ApplicableOpticProductCharacteristic>
```

```
...
```

```
</ApplicableOpticProductCharacteristic>
```

Please refer to the *Implementation guide – classification* and the *OPTO v11 Optic Catalogue – Implementation guide – common parts* for detailed information on how to add characteristics.

FrameMaterialClass

ID	Name	Mandatory	ISO10685
478	Main material of the front code	true	mat

SpectacleFrameMaterialClass

ID	Name	Mandatory	ISO10685
1039	Main material of the side code	false	smat

SunglassMaterialClass

ID	Name	Mandatory	ISO10685
1038	Material of the lens	false	lmat
1039	Main material of the side code	false	smat

ClipsProductMaterialClass

ID	Name	Mandatory	ISO10685
1038	Material of the lens	false	lmat

GoggleProductMaterialClass

ID	Name	Mandatory	ISO10685
1038	Material of the lens	false	lmat
1039	Main material of the side code	false	smat

GoggleProductMaterialClass

ID	Name	Mandatory	ISO10685
1038	Material of the lens	false	lmat
1039	Main material of the side code	false	smat

5.3.7.2.1. Related Optic Product Classification (Applicable Optic Product Characteristic)

Optional Data

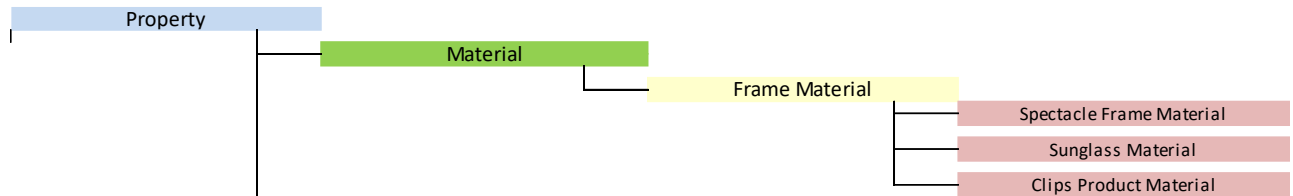
Data Number = NOT IN DICTIONNARY

Description: Class code assigned to the frame material.

A product can belong to one class only.

Please refer to the *Implementation guide – classification* and the *OPTO v11 Optic Catalogue – Implementation guide – common parts* for detailed information on how to add an optic product classification with characteristics.

Notes about classification for Frames Material:



Example:

```

<RelatedOpticProductClassification>
  <ClassCode>MaterialClass</ClassCode>
  <SubClassCode>SpectacleFrameMaterialClass</SubClassCode>
</RelatedOpticProductClassification>
  
```

5.3.8. Serial Number Indicator

Data Number = #491

ISO 10685 Tag = snmb

Optional Data

Description: An indication of whether or not the frame can be identified by a serial number.

Data Type: Indicator

Example:

```

<SerialNumberIndicator>>false</SerialNumberIndicator>
  
```

5.3.9. Brand Identifier

Data Number = #973

ISO 10685 Tag = bndcod

Mandatory Data

Description: The unique identifier of the brand of the frame.

Data Type: ID

Example:

```

<BrandID>CHL</BrandID>
  
```

5.3.10. Brand Name

Data Number = #974

ISO 10685 Tag = bnddes

Mandatory Data

Description: The brand name of the frame.

Data Type: String

The format supports several languages.

Example:

```

<BrandName languageID="en-us">Chloe</BrandName>
  
```

5.3.11. Sub Brand Identifier

Data Number = #975

ISO 10685 Tag = collcod

Optional Data

Description: The unique identifier of the sub brand/collection of the frame.

Data Type: ID

Example:

<SubBrandID>NE</SubBrandID>

5.3.12. Sub Brand Name

Data Number = #976

ISO 10685 Tag = collides

Optional Data

Description: Sub brand/collection name of the frame.

Data Type: String

The format supports several languages.

Example:

<SubBrandName languageID="en-us">New edition</SubBrandName>

5.3.13. Model Name

Data Number = #972

ISO 10685 Tag = mcode

Mandatory Data

Description: Model code

Data Type: String

Example:

<ModelName languageID="en-us">XLTOP</ModelName>

6. OPTO v11 Optic Catalogue components for shapes

6.1. Contained Optic Catalogue Item (Optic Catalogue)

Mandatory Element (1..n)

Description: Frame shape item.

Example:

```
<ContainedOpticCatalogueItem>
...
</ContainedOpticCatalogueItem>
```

6.1.1. Identifier

Data Number = NOT IN DICTIONNARY

Mandatory Element

Description: Unique identifier of the shape catalogue item.

Data Type: ID (item sequence number in auto increment)

This identifier must be unique within the catalogue.

Example:

```
<ID>000012345</ID>
```

6.1.2. Action code

Fixed Value (not present in data dictionary)

Mandatory Data

Description: Code specifying the status of the information related to the shape.

Example

```
<ActionCode>1</ActionCode>
```

6.1.3. Multimedia Presentation Picture

Data Number = #1035

ISO 10685 Tag = shpimage

Optional Data

Description: Picture of the frame.

Data Type: Picture

Example:

OPTO v11 supports either to include the image into the XML file or to provide a link to an image hosted on a shared repository.

```
<ValuePicture>
  <DigitalImageBinaryObject encodingCode="7" filename="filename123.jpg"
uri="http://www.mycompany.com/framesimages/filename123.jpg" mimeType="image/jpeg"/>
</ValuePicture>
```

6.2. Referenced Optic Product (Optic Catalogue Item)

Mandatory Element

Description: The optic product describing the shape.

Example:

```
<ReferencedOpticProduct>
...
</ReferencedOpticProduct>
```

6.2.1. Specified Optic Product Identification (Optic Product)

Data Number = #1032

ISO 10685 Tag = shpid

Mandatory Data

Description: Product code of the shape

Example:

```
<SpecifiedOpticProductIdentification>
  <ID>00012345600012</ID>
</SpecifiedOpticProductIdentification>
```

6.2.2. ShortDescription

Data Number = #1034

ISO 10685 Tag = mdesc

Optional Data

Description: Shape description

Data Type: String

Example:

```
<Name languageID="en-us">Round Chinese design</Name>
```

6.2.3. Designated Optic Product Classification (Optic Product)

Mandatory Data (not present in data dictionary)

Fixed value

Example:

```
<DesignatedOpticProductClassification>
  <ClassCode
    listSchemeURI="http://www.Normeyes.org/standard/edioptic/data/standard/OpticClassifica
tions_v1.0r06.xsd"
    listURI="http://www.Normeyes.org/standard/edioptic/codelist/standard/OpticClassifications
_v1.0r12.xml" listAgencyName="Association EDI Optique" listName="OpticClassifications"
    listVersionID="1.0r12">FrameShapeClass</ClassCode>
    <SubClassCode>FrameShapeClass</SubClassCode>
  ...
</DesignatedOpticProductClassification>
```

7. OPTO v11 Optic Catalogue components for traces

7.1. Contained Optic Catalogue Item (Optic Catalogue)

Mandatory Element (1..n)

Description: Frame trace item.

Example:

```
<ContainedOpticCatalogueItem>
```

...

```
</ContainedOpticCatalogueItem>
```

7.1.1. Identifier

Data Number = NOT IN DICTIONNARY

Mandatory Element

Description: Unique identifier of the trace catalogue item.

Data Type: ID (item sequence number in auto increment)

This identifier must be unique within the catalogue.

Example:

```
<ID>000012345</ID>
```

7.1.2. Action code

Fixed Value (not present in data dictionary)

Mandatory Data

Description: Code specifying the status of the information related to the trace.

Example

```
<ActionCode>1</ActionCode>
```

7.2. Referenced Optic Product (Optic Catalogue Item)

Mandatory Element

Description: The optic product describing the trace.

Example:

```
<ReferencedOpticProduct>
```

...

```
</ReferencedOpticProduct>
```

7.2.1. Specified Optic Product Identification (Optic Product)

Data Number = #1041

ISO 10685 Tag = traceid

Mandatory Data

Description: Product code of the trace

Example:

```
<SpecifiedOpticProductIdentification>
  <ID>00012345600012</ID>
</SpecifiedOpticProductIdentification>
```

7.2.2. Designated Optic Product Classification (Optic Product)

Mandatory Data (not present in data dictionary)

Fixed value

Example:

```
<DesignatedOpticProductClassification>
  <ClassCode
    listSchemeURI="http://www.Normeyes.org/standard/edioptic/data/standard/OpticClassifica
    tions_v1.0r06.xsd"
    listURI="http://www.Normeyes.org/standard/edioptic/codelist/standard/OpticClassifications
    _v1.0r12.xml" listAgencyName="Association EDI Optique" listName="OpticClassifications"
    listVersionID="1.0r12">FrameTraceClass</ClassCode>
    <SubClassCode>FrameTraceClass</SubClassCode>
    ...
  </DesignatedOpticProductClassification>
```

7.2.2.1. Applicable Optic Product Characteristic (Optic Product Classification)

Optional Element

Example:

```
<ApplicableOpticProductCharacteristic>
  ...
</ApplicableOpticProductCharacteristic>
```

Please refer to the *Implementation guide – classification* and the *OPTO v11 Optic Catalogue – Implementation guide – common parts* for detailed information on how to add characteristics.

Frame Trace product

FrameTraceClass

ID	Name	Mandatory	ISO10685
1023	Trace data is available on website	false	tracweb
1005	Frame trace data link	false	ftrc
1024	Trace data	false	trcfmt
1043	Shape reference	false	trcshapeidref

Please note that ISO standard 10685-1, 10685-2, 10685-3 provide detailed information about fields to be mapped into the Frame catalogue. Please refer to these standards.

8. OPTO v11 Optic Catalogue components for drilling points

8.1. Contained Optic Catalogue Item (Optic Catalogue)

Mandatory Element (1..n)

Description: Frame trace item.

Example:

```
<ContainedOpticCatalogueItem>
```

...

```
</ContainedOpticCatalogueItem>
```

8.1.1. Identifier

Data Number = NOT IN DICTIONNARY

Mandatory Element

Description: Unique identifier of the drilling point catalogue item.

Data Type: ID (item sequence number in auto increment)

This identifier must be unique within the catalogue.

Example:

```
<ID>000012345</ID>
```

8.1.2. Action code

Fixed Value (not present in data dictionary)

Mandatory Data

Description: Code specifying the status of the information related to the drilling point.

Example

```
<ActionCode>1</ActionCode>
```

8.2. Referenced Optic Product (Optic Catalogue Item)

Mandatory Element

Description: The optic product describing the trace.

Example:

```
<ReferencedOpticProduct>
```

...

```
</ReferencedOpticProduct>
```

8.2.1. Specified Optic Product Identification (Optic Product)

Data Number = #1042

ISO 10685 Tag = traceid

Mandatory Data

Description: Product code of the trace

Example:

```
<SpecifiedOpticProductIdentification>
  <ID>00012345600012</ID>
</SpecifiedOpticProductIdentification>
```

8.2.2. Designated Optic Product Classification (Optic Product)

Mandatory Data (not present in data dictionary)

Fixed value

Example:

```
<DesignatedOpticProductClassification>
  <ClassCode
    listSchemeURI="http://www.Normeyes.org/standard/edioptic/data/standard/OpticClassifica
tions_v1.0r06.xsd"
    listURI="http://www.Normeyes.org/standard/edioptic/codelist/standard/OpticClassifications
_v1.0r12.xml" listAgencyName="Association EDI Optique" listName="OpticClassifications"
    listVersionID="1.0r12">FrameDrillingPointsClass</ClassCode>
    <SubClassCode>FrameDrillingPointsClass</SubClassCode>
    ...
  </DesignatedOpticProductClassification>
```

8.2.2.1. Applicable Optic Product Characteristic (Optic Product Classification)

Optional Element

Example:

```
<ApplicableOpticProductCharacteristic>
  ...
</ApplicableOpticProductCharacteristic>
```

Please refer to the *Implementation guide – classification* and the *OPTO v11 Optic Catalogue – Implementation guide – common parts* for detailed information on how to add characteristics.

Frame Drilling Points product

FrameDrillingPointsClass

ID	Name	Mandatory
1006	Drill data (depreciated version)	false
1031	Drill data	false
1044	Trace reference	false
1045	Shape reference	false

Please note that ISO standard 10685-1, 10685-2, 10685-3 provide detailed information about fields to be mapped into the Frame catalogue. Please refer to these standards.

9. How to

The OPTOV11 Catalogue provides the ability to associate a frame and a shape whenever the frame belongs to one of the following Classes:

- RimlessMountSpectacleFrameClass
- RimlessMountSunglassClass
- RimlessMountClipsProductClass
- RimlessMountPreassembledSunglassClass
- RimlessMountOpticalClipOnClass
- RimlessMountOpticalGoggleClass

Multiple shapes can be associated to the Frame. The association is made through the use of the Applicable Optic Product Characteristic #1032 Product code (shape).