Association EDI-Optique

OPTO v11 Optic Catalogue
IMPLEMENTATION GUIDE
FOR CONTACT LENSES AND CARE PRODUCTS

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1. Preamble

This document is part of the OPTO v11 Optic Catalogue documentation set. It is not the purpose of this sole document to provide the reader with a complete understanding of the implementation of the OPTO v11 Optic Catalogue.

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

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 frame and shape
- OPTO v11 Optic Catalogue – Implementation guide for accessories
- OPTO v11 Optic Catalogue – Implementation guide for pack
- OPTO v11 Optic Catalogue – Implementation guide for control

3. Objective

This document aims to assist 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 details the content of all elements included the Catalogue Item element for contact lenses and care products. For each XML element and sub-element, possible values and attributes are defined. For each item, mapping to the data dictionary data number is provided. Note that implementation rules are also detailed and illustrated by samples. To facilitate the comprehension of the reader, elements are described in the exact same order used in the Business Requirement Specification.
- Chapter 5 provide the reader with the understanding of the difference that exists between contact lens products and contact lens packaging products.
- Chapter 6 to 9 explain to the reader how to build or read and OPTO v11 ebXML Optic Catalogue of lenses including options en relation between lenses and options.

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

4. OPTO v11 Optic Catalogue components for contact lenses and care products

4.1. Contained Optic Catalogue Item (Optic Catalogue)

Mandatory Element (1..n)

4.1.1. Identifier

Data Number = NOT IN DICTIONNARY

Mandatory Element

Description: The unique identifier for this optic catalogue item.

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

This identifier must be unique across all product types within the catalogue.

Example:

<ID>000012345</ID>

4.1.2. Action code

Data Number:

- **For Contact Lens = #321**
- **For Contact Lens Packaging = #707**
- **For Care Product = #770**

Mandatory Data

Description: The code specifying the action for this optic catalogue item.

Data Type: Action Code

List of values:

- **1 :** new, modified
- **2 :** deleted

Example

<ActionCode>1</ActionCode>

Note:

- The ActionCode and the LastChangedDateTime are the two key information used to comply with the catalogue update mechanism used by the OPTO v11 Optic Catalogue process. To understand the use of this mechanism, please refer to the OPTO v11 Optic Catalogue – Implementation guide – common parts (chapter 6.4).

4.1.3. Validity Delimited Period

Data Number:

- **For Contact Lens = #322 (start date) - #323 (end date)**
- **For Care Product = #754 (start date) - #755 (end date)**

Optional Data

Description: A period when this optic catalogue item is valid.

Data Type: Period

Example:

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

This period of validity includes both the first and the last day.

4.1.4. Last Changed Date Time

Data Number:

- **For Contact Lens = #774**
- **For Contact Lens Packaging = #834**
- **For Care Product = #881**

Mandatory Data

Description: The date of the last change performed on the optic catalogue item.

Data Type: Date Time

Example:

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

4.1.5. Multimedia Presentation Picture

Data Number:

- **For Contact Lens = #672**
- **For Care Product = #756**

Optional Data (0..n)

Description: Pictures of the product.

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.edi-optique.org/images/»
Additional URL: «Collection%20XYZ/SFR_model123.jpg»

Pictures URL:
«http://www.edi-optique.org/images/Collection%20XYZ/S_model123.jpg»
«http://www.edi-optique.org/images/Collection%20XYZ/F_model123.jpg»
«http://www.edi-optique.org/images/Collection%20XYZ/R_model123.jpg»

4.1.6. Additional Information

Data Number:

- **For Contact Lens = #674**
- **For Care Product = #758**

Optional Data (0..n)

Description: Additional information about the catalogue item (e.g. URL of a relevant web page).

Data Type: String

Example:

<AdditionalInformation>http://site.com/catalogue/Item/000012345.html </AdditionalInformation>

4.2. Applicable Optic Trade Agreement (Optic Catalogue Item) (0..1)

Mandatory Element for Contact Lens and Care product.

Not used for Contact Lens Packaging

Description: The applicable optic trade agreement for this optic catalogue item.

Example:

<ApplicableOpticTradeAgreement>

…

</ApplicableOpticTradeAgreement>

4.2.1. Delivery Lead Measure (Optic Trade Agreement)

Data Number:

- **For Care Product = #766**

Optional Element

Can only be used for Care Product

Description: The adding time taken from the time of order to the time of delivery

Data Type: Measure

Example:

<DeliveryLeadMeasure unitCode="DAY">2</DeliveryLeadMeasure>
Or
<DeliveryLeadMeasure unitCode="HUR">48</DeliveryLeadMeasure>

2 days or 48 hours.

4.2.2. Specified Optic Price Information (Optic Trade agreement)

Mandatory Element

Description: Prices corresponding to the optic trade agreement.

Example:

<SpecifiedOpticPriceInformation>

…

</SpecifiedOpticPriceInformation>

4.2.2.1. Assigned Optic Price

Mandatory Data (1..n)

Description: A price amount for the catalogue item

Data Type: OpticPrice

Example:

<AssignedOpticPrice>
…
</AssignedOpticPrice>

4.2.2.1.1. Charge Amount

Data Number for Contact Lens:

- **#689: Mandatory Data**
- **#691: Optional Data**
- **#693: Optional Data**
- **#859: Optional Data**
- **#861: Optional Data**

Data Number for Care Product:

- **#760: Mandatory Data**
- **#762: Optional Data**
- **#764: Optional Data**
- **#876: Optional Data**
- **#878: Optional Data**

Description: The amount of basic price.

Data Type: Amount

Example:

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

4.2.2.1.2. Type Code

Data Number for Contact Lens:

- **#690: Mandatory Data**
- **#692: Optional Data**
- **#694: Optional Data**
- **#860: Optional Data**
- **#862: Optional Data**
- **#761: Optional Data**

Data Number for Care Product:

- **#761: Mandatory Data**
- **#763: Optional Data**
- **#765: Optional Data**
- **#877: Optional Data**
- **#879: Optional Data**

Description: The code specifying the type of basic price.

Data Type: Price Code

List of values:

- **AAA**: purchase price according to standard price list, VAT excluded

  Value only used for #690 and #761
- **AAB**: net purchase price, no end of period back payment and VAT excluded
- **AAC**: net purchase price, VAT excluded
- **AAD**: recommended selling price, VAT included
- **AAE**: minimum recommended selling price, VAT included
- **AAF**: maximum recommended selling price, VAT included

- **AAG**: recommended selling price incl. insurance, VAT included
- **AAH** : recommended for trial contact lenses (price at 0)

Example:

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

4.2.2.2. Validity Delimited Period

Data Number:

- **For Contact Lens = #775 (start date) - #776 (end date)**

Optional Element

Description: A period when this optic price information is valid.

Data Type: Period

Example:

```
<ValidityDelimitedPeriod>
        <StartDateTime>2001-12-17T00:00:00.0Z</StartDateTime>
        <EndDateTime>2002-12-17T00:00:00.0Z</EndDateTime>
</ValidityDelimitedPeriod>
```

This period of validity includes both the first and the last day.

4.2.2.3. Range Type Code

Data Number:

- **For Contact Lens = #394**

Mandatory Data

Can only be used with Contact Lens

Description: Range code category

Data Type: RangeCode

List of values:

- **1 : Stock**
- **2 : RX**
- **3 : Out of Manufacturing Range**

```
<RangeTypeCode>1</RangeTypeCode>
```

4.2.2.4. Manufacturer Assigned Range Type

Data Number:

- **For Contact Lens = #395**

Mandatory Data

Can only be used with Contact Lens

Description: Range Name

Data Type: String

```
<ManufacturerAssignedRangeType>Stock Chrono</ManufacturerAssignedRangeType>
```

4.2.2.5. Applicable Optic Product Characteristic (Optic Price Information)

Optional Element

Example:

```
<ApplicableOpticProductCharacteristic>
        …
</ApplicableOpticProductCharacteristic>
```

Please consult the OPTO v11 Optic Catalogue – Implementation guide – common parts **for detailed explanation on how to use characteristics.**

Please find below the list of characteristics for the PriceInformation classes:

Price Information Property
PriceInformationClass No specific characteristic

ContactLensPriceInformationClass

ID	Name	Mandatory
790	Minimun Total Diameter	true
791	Maximum Total Diameter	true
792	Total Diameter Step	true
793	Mimimum Base Curve Radius	true
864	Maximum Base Curve Radius	true
865	Base Curve Radius Step	true
398	Minimum Sphere	true
400	Maximum Sphere	true
399	Sphere Step	true
401	Minimum Cylinder	false
403	Maximum Cylinder	false
402	Cylinder Step	false
404	Minimum Axis	false
406	Maximum Axis	false
405	Axis Step	false
408	Minimum Addition	false
410	Maximum Addition	false
409	Addition Step	false
777	Minimum Prism	false
778	Maximum Prism	false
779	Prism Step	false
407	Near Profile Code	false
780	Near Profile Label	false
413	Time to delivery	false
863	Electronic Order Allowed	true

SoftContactLensPriceInformationClass

No specific characteristic

HardContactLensPriceInformationClass

ID	Name	Mandatory
809	Front Minimum Cylinder	false
810	Front Maximum Cylinder	false
811	Front Cylinder Step	false
812	TABO Axis	false
816	Minimun Eccentricity	false
817	Maximum Eccentricity	false
818	Eccentricity Step	false

CareProductPriceInformationClass

ID	Name	Mandatory
880	Electronic Order Allowed	true

4.2.3. Action code

Data Number:

- **For Contact Lens = #396**

Mandatory Data

Description: The code specifying the action for this optic trade agreement.

Data Type: Action Code

List of values:

- **1 :** new, modified
- **2 :** deleted

Example

<ActionCode>1</ActionCode>

Note:

- The ActionCode and the LastChangedDateTime are the two key information used to comply with the catalogue update mechanism used by the OPTO v11 Optic Catalogue process. To understand the use of this mechanism, please refer to the OPTO v11 Optic Catalogue – Implementation guide – common parts (chapter 6.4).

4.2.4. Last Changed Date Time

Data Number:

- **For Contact Lens = #781**

Mandatory Data

Description: The date and time of the last change performed on the optic catalogue item trade agreement.

Data Type: Date Time

Example:

<LastChangedDateTime>2009-12-17T09:30:47Z</LastChangedDateTime>

4.3. Referenced Optic Product (Optic Catalogue Item)

Mandatory Data

Description: The optic product corresponding to the optic catalogue item.

Example:

```
<ReferencedOpticProduct>
  …
<ReferencedOpticProduct>
```

4.3.1. Specified Optic Product Identification (Optic Product)

Description: A collection of identifier for this optic product.

Each product type can be characterized by several identifiers (manufacturer, ordering, and distributor product codes):

- **MF** : Manufacturer product code **Mandatory Data**

  Data Number:

  - **For Contact Lens = #298**
  - **For Contact Lens Packaging = #961**
  - **For Care Product = #744**

- **SA** : Supplier Ordering product code **Mandatory Data**

  Data Number:

  - **For Contact Lens = #299**
  - **For Care Product = #745**

- **GS1** : GTIN product code **Mandatory Data**

  Data Number:

  - **For Contact Lens Packaging = #698**
  - **For Care Product = #743**

- **ACL** : ACL product code **Mandatory Data**

  Data Number:

  - **For Care Product = #871**

Example:

```
<SpecifiedOpticProductIdentification>
        <ID schemeID="MF">123</ID>
</SpecifiedOpticProductIdentification>
```

Notes:

- The Edi-Optique Association recommends using a unique id for each product.

4.3.2. Opened Product Lifespan Measure

Data Number:

- **For Care Product = #875**

Mandatory Data

Description: Indicative number of days during which the product can be stored under normal conditions after opening.

Data Type: DurationMesure

Example:

<OpenedProductLifespanMeasure unitCode="DAY">30</OpenedProductLifespanMeasure>

4.3.3. Name

Data Number:

- **For Contact Lens = #392**
- **For Care Product = #746**

Mandatory Data (1..*)

Description: Name of product which distinguishes it from other products and if necessary to be used in trade messages such as order and invoice.

Data Type: String

Product names in multiple languages are supported.

Example:

<Name languageID="en">Name of Product</Name>

4.3.4. Functional Description

Data Number:

- **For Contact Lens = #684**
- **For Care Product = #759**

Optional Data (0..*)

Description: The technical information webpage shall contain if adequate information such as:

- Production Technology for front and back geometry
- Junction design
- Lenticular design
- Border thickness
- Center thickness special remarks
- Optic Zone Diameter
- Oval Optic Zone Diameter
- Transmittance
- Regulatory information

Data Type: String

Links to the functional webpage can be implemented in multiple languages.

Example:

<FunctionalDescription languageID="en">Functionnal Description</FunctionalDescription>

4.3.5. Short Description (0..*)

Data Number:

- **For Contact Lens = #376**
- **For Care Product = #747**

Mandatory Data (0..*)

Description: Short name of the product which distinguishes it from other products and if necessary to be used in trade messages such as order and invoice.

Data Type: String

Short descriptions in multiple languages are supported.

Example:

<ShortDescription languageID="en">Short Description</ShortDescription><

4.3.6. Actual Quantity

Data Number:

- **For Care Product = #752 (Volume) - #872 (Unit Quantity)**

Mandatory Data

Description: Volume of product and unit quantity

- MLT : millilitre
- U2 : tablet
- 14 : shot
- GRM : grams

Data Type: QuantityType

Example:

<ActualQuantity unitCode="MLT">800</ActualQuantity>

4.3.7. Inner Pack Quantity

Data Number:

- **For Contact Lens = #324**
- **For Care Product = #751**

Mandatory Data

Description: Number of packaging unit per box.

Data Type: QuantityType

Example:

<InnerPackQuantity>5</InnerPackQuantity>

4.3.8. Color Description

Data Number:

- **For Contact Lens = #326**

Optional Data (0..*)

Description: The description for the color of the optic product.

Data Type: String

Multiple language colour descriptions are supported.

Example:

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

4.3.9. Packaging Optic Logistic Unit Information (Referenced Optic Product)

Optional Element

<PackagingOpticLogisticUnitInformation>
…
</PackagingOpticLogisticUnitInformation>

4.3.9.1. Actual Quantity

Data Number:

- **For Contact Lens = #725**
- **For Care Product = #873**

Mandatory Data

Description: Number of packaging unit per box.

Data Type: QuantityType

Example:

<ActualQuantity>3</ActualQuantity>

4.3.10. Designated Optic Product Classification (Optic Product)

Mandatory Element

Description: The classification designated for this optical product.

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.**

Please find below the classification diagram

4.3.10.1. Applicable Optic Product Characteristic (Optic Product Classification)

Optional Data (0..n)

Description: A collection of optical material characteristic which compose this optical product.

You have to use the properties describes in the abstract Material Class. (OpticClassifications.xml)

Please consult the OPTO v11 Optic Catalogue – Implementation guide – common parts **for detailed explanation on how to use classifications and characteristics.**

Please find below the list of characteristics for each class of Contact Lens, Contact Lens Packaging and Care Products:

Contact Lens Product

ContactLensClass

ID	Name	Mandatory
668	Indications	false
366	Adaptation Criteria	false
669	Packaging Description	false
857	Custom Code	true
327	Trial Contact lens	true
333	Contact Lens Usage	true
337	Wear Schedule	true
771	Pupil Color	true
670	Front Surface Geometry	true
372	Delivery range	true
360	Front Central Optic Zone Diameter	false
772	Back Central Optic Zone Diameter	false
675	Handeling information	false
676	Delivery information	false
361	Geometric center thickness	true
679	FDA group	true
682	Handling Tint	true
329	Special Grave	true
330	Special Mark	false
683	Marking image	false
969	Control Code	false
1063	Correction Type	true

SoftContactLensClass

No specific characteristic

OneCurveSoftContactLensClass

No specific characteristic

BiCurveSoftContactLensClass

No specific characteristic

TriCurveSoftContactLensClass

No specific characteristic

MultiCurveSoftContactLensClass

No specific characteristic

AsphericSoftContactLensClass

No specific characteristic

BiAsphericSoftContactLensClass

No specific characteristic

SpheroAsphericSoftContactLensClass

No specific characteristic

InvertedQuadriCurveSoftContactLensClass

No specific characteristic

ToricSoftContactLensClass

ID	Name	Mandatory
341	Ballast	true

PeripheralTorusSoftContactLensClass

No specific characteristic

MultiFocalSoftContactLensClass

No specific characteristic

HardContactLensClass

No specific characteristic

OneCurveHardContactLensClass

No specific characteristic

BiCurveHardContactLensClass

No specific characteristic

TriCurveHardContactLensClass

No specific characteristic

MultiCurveHardContactLensClass

No specific characteristic

AsphericHardContactLensClass

No specific characteristic

BiAsphericHardContactLensClass

No specific characteristic

SpheroAsphericHardContactLensClass

No specific characteristic

InvertedQuadriCurveHardContactLensClass

No specific characteristic

ToricHardContactLensClass

ID	Name	Mandatory
341	Ballast	false

PeripheralTorusHardContactLensClass

No specific characteristic

MultiFocalHardContactLensClass

No specific characteristic

ContactLensPackagingClass

ID	Name	Mandatory
700	Total Diameter	true
701	Base Curve Radius	true
702	Sphere	true
703	Back Cylinder	false
962	Front Cylinder	false
704	Axis	false
705	Addition	false
833	Prism	false
1051	Near Profil Code	false
1052	Near Profil Label	false

CareProductClass

ID	Name	Mandatory
749	Application Type	true
750	Packaging Description	false
874	Custom Code	true

MultipurposeCareProductClass

ID	Name	Mandatory
753	Standard use duration	false

PeroxideCareProductClass

ID	Name	Mandatory
753	Standard use duration	false

DisinfectionCareProductClass

ID	Name	Mandatory
753	Standard use duration	false

ProteinRemovalCareProductClass

ID	Name	Mandatory
753	Standard use duration	false

RinsingCareProductClass

ID	Name	Mandatory
753	Standard use duration	false

WashingCareProductClass

ID	Name	Mandatory
753	Standard use duration	false

CleaningCareProductClass

ID	Name	Mandatory
753	Standard use duration	false

MoisteringCareProductClass

No specific characteristic

RinsingCareProductClass

ID	Name	Mandatory
753	Standard use duration	false

WashingCareProductClass

ID	Name	Mandatory
753	Standard use duration	false

CleaningCareProductClass

ID	Name	Mandatory
753	Standard use duration	false

MoisterizingCareProductClass

No specific characteristic

4.3.11. Composed Optic Material (Optic Product)

Optional Element

Can only be used for Contact Lens

Description: The material of this optical product.

Example:

```
<ComposedOpticMaterial>
…
</ComposedOpticMaterial>
```

4.3.11.1.Identifier

Data Number = #677

Mandatory Data

Description: Product Material Code

Data Type: Identifier

Example:

```
<ID>444</ID>
```

4.3.11.2.Applicable Optic Product Characteristic (Optic Material)

Optional Data (0..n)

Description: A collection of optical material characteristic which compose the optical product.

Characteristics are described in the abstract Material Class and related child classes. (OpticClassifications.xml)

Please consult the OPTO v11 Optic Catalogue – Implementation guide – common parts **for detailed explanation on how to use characteristics.**

Please find below the list of characteristics for each the Material and ContactLensMaterial classes:

Material Property

MaterialClass

No specific characteristic

ContactLensMaterialClass

ID	Name	Mandatory
365	Oxygen Transmissibility	False
934	Tranmissibility Measurement Technique	False
364	Oxygen Permeability	False
343	Water Content	False
678	HEMA	True
328	UV Blocking	True

SoftContactLensMaterialClass

ID	Name	Mandatory
#1019	Contact Lens Material	true

HardContactLensMaterialClass

ID	Name	Mandatory
#1020	Contact Lens Surface Type	true

4.3.12. Restricted Optic Control (Optic Product)

Optional Element

Can only be used for Contact Lens

Description: The optical controls to apply for this manufacturing line of the contact lens.

4.3.12.1.Identifier

Mandatory Data

Description: Key control code. Note: All conditions set by the control lines must be met before control is invalid.

Data Type: String

Example:

<ID> CD123456</ID>

4.3.12.2.Action code

Data Number = #656

Mandatory Data

Description: The code specifying the action for this optic control.

Data Type: Action Code

List of values:

- **1 :** new, modified
- **2 :** deleted

Example

<ActionCode>1</ActionCode>

Note:

- The ActionCode and the LastChangedDateTime are the two key information used to comply with the catalogue update mechanism used by the OPTO v11 Optic Catalogue process. To understand the use of this mechanism, please refer to the OPTO v11 Optic Catalogue – Implementation guide – common parts (chapter 6.4).

4.3.12.3.Last Changed Date Time

Data Number = #600

Mandatory Data

Description: The date and time of the last change performed on the optic catalogue item control.

Data Type: Date Time

Example:

<LastChangedDateTime>2009-12-17T09:30:47Z</LastChangedDateTime>

4.3.12.4.Line Identifier

Data Number = #602

Mandatory Data

Description: Sequential number that uniquely identifies each element in a control

Data Type: Integer

Example:

```
<LineID>3</LineID>
```

4.3.12.5.Data Identifier

Data Number = #602

Mandatory Data

Description: Identifies the data control. The number given is the number of the data given in the order according to the data code list gives by AEO.

Data Type: String

Example:

```
<DataID>386</DataID>
```

4.3.12.6.Minimal Measure

Data Number = #603

Mandatory Data with Control Data Maximal Value if “Control Enumerated Value” is not filled

Description: Used to specify a minimum value for the control. For example, to control "2" or a prism, this value is the minimum prism.

Data Type: Measure

Example:

```
<MinimalMeasure unitCode="MMT">2</MinimalMeasure>
```

4.3.12.7.Maximal Measure

Data Number = #604

Mandatory Data with Control Data Minimal Value

Description: Used to specify a maximum value for the control. For example, to control "2" or a prism, this value is the maximum prism.

Data Type: Measure

Example:

```
<MaximalMeasure unitCode="MMT">5</MaximalMeasure>
```

4.3.12.8.Enumerated Code

Data Number = #605

Mandatory Data if “Control Data Minimal and Maximal Value” are not filled

Description: Enumerated list values of values

Data Type: Code

Example:

<EnumeratedCode>0</EnumeratedCode>

<EnumeratedCode>2</EnumeratedCode>

<EnumeratedCode>TEST</EnumeratedCode>

4.3.12.9.Mandatory Indicator

Data Number = #1037

Mandatory Data

Description: The indicator identifying that the data is mandatory in the order

Data Type: Indicator

Example:

<MandatoryIndicator>true</MandatoryIndicator >

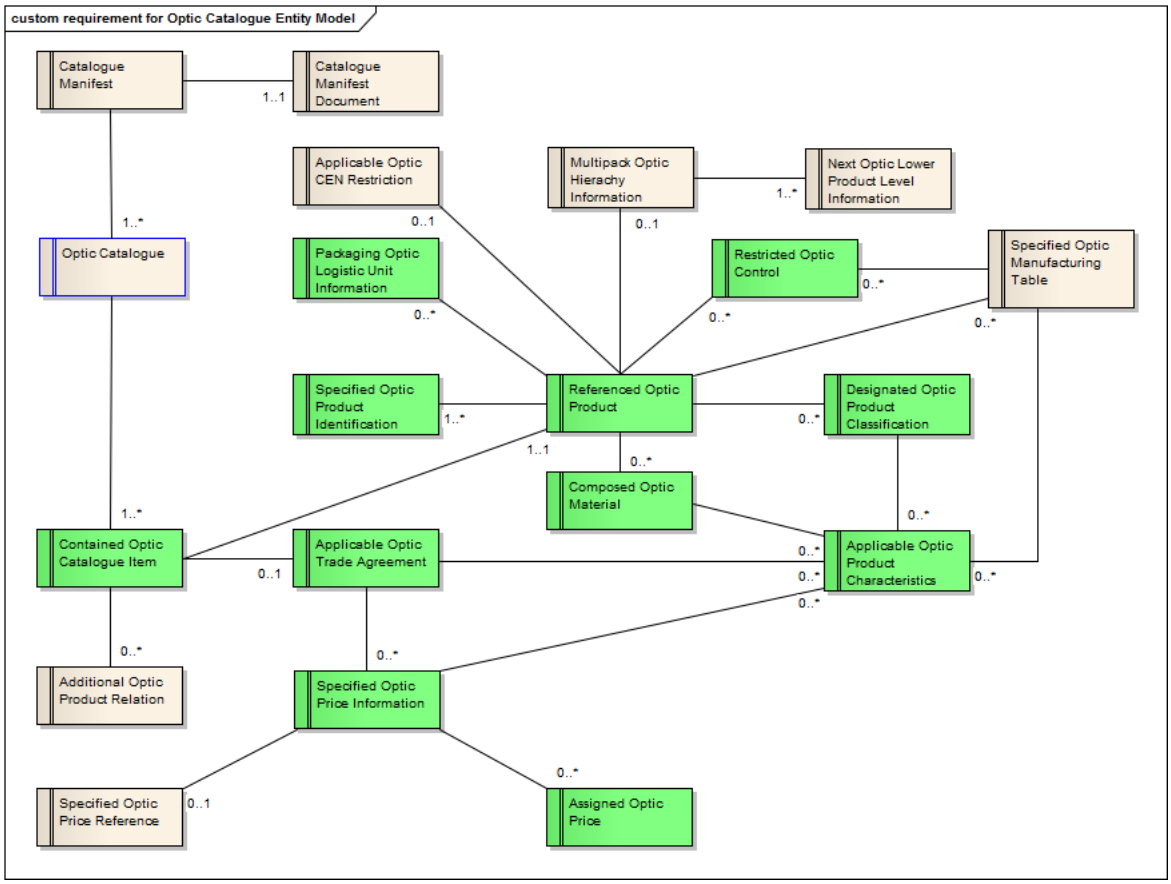
5. Understanding the difference between a contact lens and a contact lens packaging

The classification of products distinguishes contact lens products from contact lens packaging products. Both shall be considered as commercial contact lens product. However there is a large difference in the meaning of the two types of products:

- Contact lens products shall be considered as product families. They exist for multiple prescriptions. They may have several diameter and/or base curve radius available.
- Contact lens packaging products are available for only on prescription, one diameter and one base curve radius. Contact lens packaging products are associated to one barcode (GTIN) number.

Contact lens packaging are generally provided in the same catalogue manifest as the Contact lens products. This allows to list barcodes associated to contact lenses.

6. How to add a contact lens to a catalogue



Elements in green shall be used to add a contact lens to a catalogue.

Data located in Functional Group 21 (in the contact lens catalogue data dictionary) are mapped into elements of the OpticCatalogueItem object and of the OpticProduct object, including ProductIdentification, ProductMaterial, Logistic Unit Information and ProductClass (and Properties).

To characterize the contact lens product, it is necessary to identify the right Class in the OpticClassifications.xml file. To do so, drill down the contact lens class into the subclasses. Classes and subclasses define which of the properties are mandatory.

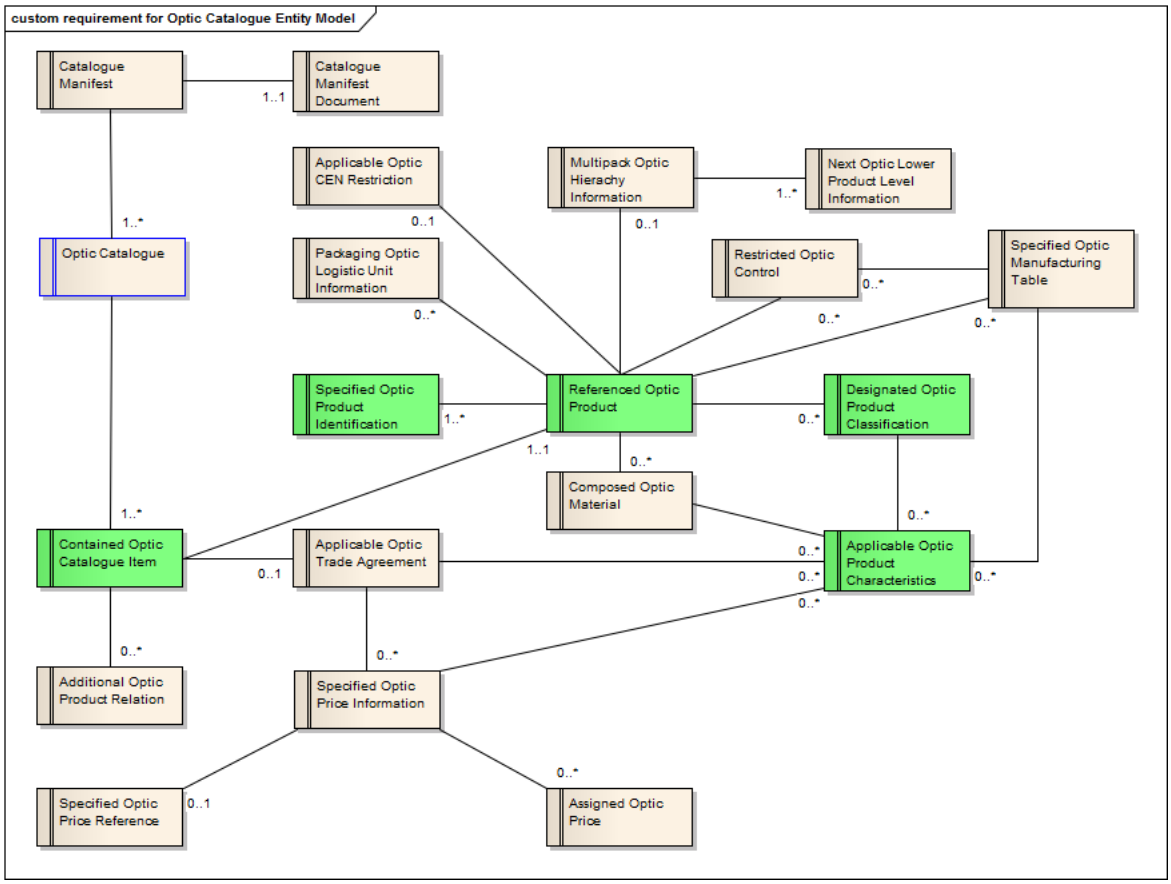
Similarly the Class hierarchy defined in the OpticClassifications.xml file, defines properties of the ProductMaterialClass.

Data located in Functional Group 22 (in the lens catalogue data dictionary) are mapped into elements of the Optic Trade Agreement object and of the Optic PriceInformation object.

Mandatory properties associated to the Optic Trade Agreement object and of the Optic PriceInformation object are defined in the TradeAgrementClass and in the PriceInformationClass.

Data located in Functional Group 99 (in the lens catalogue dictionary data) are mapped into the Control object (associated to the Manufacturing Table object).

7. How to add a Contact Lens packaging to a catalogue



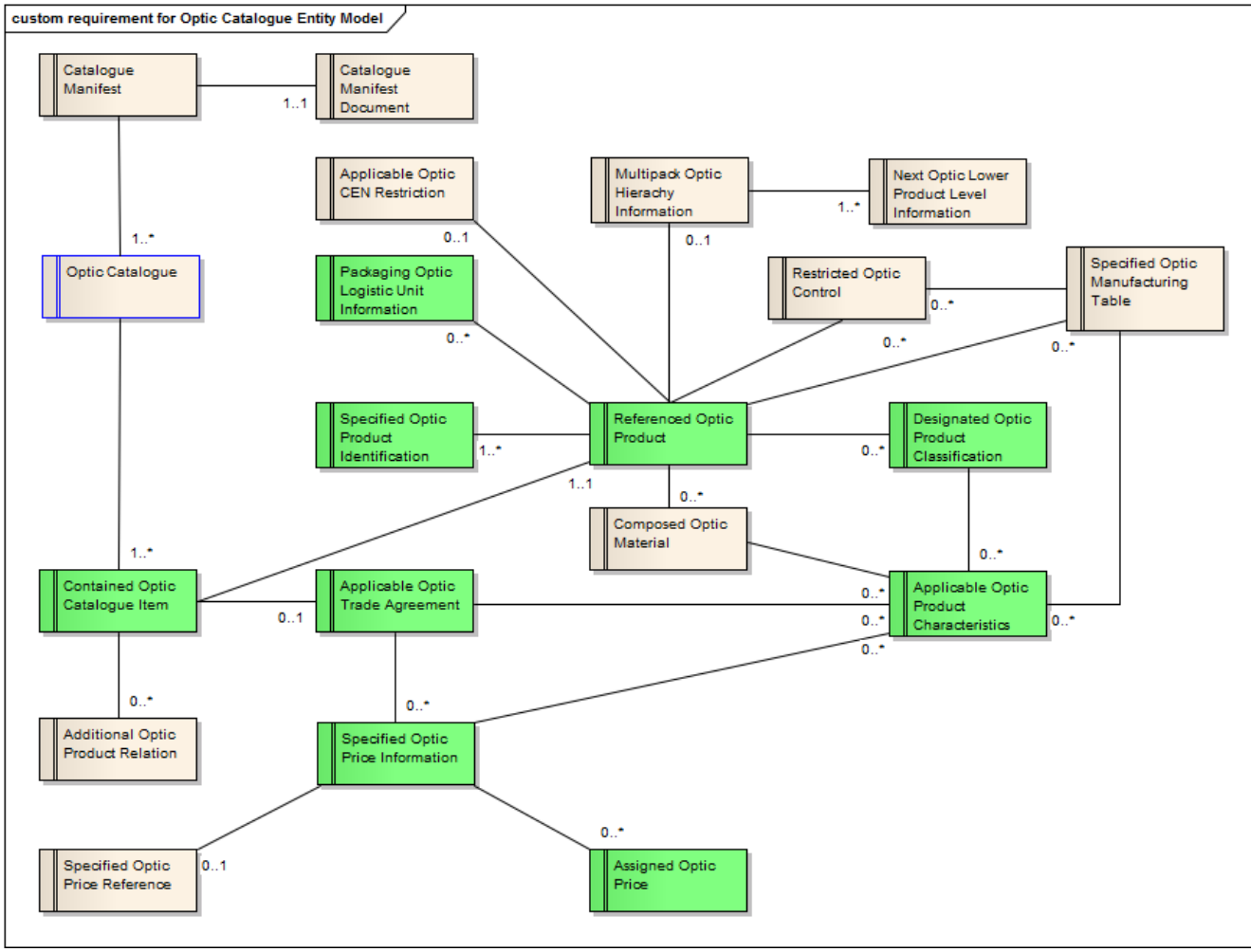
Elements in green shall be used to add a contact lens packaging to a catalogue.

Data located in Functional Group 25 (in the contact lens catalogue data dictionary) are mapped into the OpticCatalogueItem object and into the OpticProduct object (ProductIdentification, ProductClass)

In the Product Identification section both the Product Code and the GTIN of the Contact Lens shall be filled-up.

To characterize the contact lens packaging, it is necessary to use the Class ContactLensPackagingClass in the OpticClassifications.xml file and define which of the properties are mandatory.

8. How to add a Care Product to a catalogue



Elements in green shall be used to add a care product in a optic catalogue.

Data located in Functional Group 42 (in the contact lens catalogue data dictionary) are mapped into the OpticCatalogueItem object and in the OpticProduct object (ProductIdentification, HierachyInformation), Logistic Unit Information and Product Class (and Properties)

To characterize the care product, it is necessary to identify the right Class in the OpticClassifications.xml file. To do so, drill down the care product class into the subclasses. Classes and subclasses define which of the properties are mandatory.

Use Optic Price Information and AdditionalPrice to fill the prices of the care product.

9. How to add control to a Contact Lens

To add a control for a Contact Lens you have to use the control object linked to the OpticProduct object defined for the combination itself. The catalogue data defines how to specify the control.