INTERNATIONAL STANDARD

ISO 10685-2

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2016-05-15

Ophthalmic optics — Spectacle frames and sunglasses electronic catalogue and identification —

Part 2: Commercial information

Optique ophtalmique — Catalogue de montures de lunettes et de lunettes de soleil et identification —

Partie 2: Informations commerciales

Reference number
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Contents

Page

Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information.

The committee responsible for this document is ISO/TC 172, *Optics and photonics*, Subcommittee SC 7, *Ophthalmic optics and instruments*.

This second edition cancels and replaces the first edition (ISO 10685–2:2012), of which it constitutes a minor revision.

ISO 10685 consists of the following parts, under the general title *Ophthalmic optics — Spectacle frames and sunglasses electronic catalogue and identification*:

— *Part 1: Product identification and electronic catalogue product hierarchy*

— *Part 2: Commercial information*

— *Part 3: Technical information*

This corrected version of ISO 10685–2:2016 incorporates the following corrections:

— the sentence in 5.2 relating to Annex A has been reworded;

— Annex A has been designated as "normative".

Ophthalmic optics — Spectacle frames and sunglasses electronic catalogue and identification —

Part 2: Commercial information

1 Scope

This part of ISO 10685 specifies the commercial information and file format used for trading spectacle frames and sunglasses.

This part of ISO 10685 includes sunglass clip-ons.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 10685–1, *Ophthalmic optics — Spectacle frames and sunglasses electronic catalogue and identification — Part 1: Product identification and electronic catalogue product hierarchy*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
commercial information
information needed to order frames and sunglasses

4 Symbols and abbreviated terms

MSRP manufacturer suggested retail price

5 Commercial information

5.1 Identification

Any commercial information requires the appropriate frame identification as specified in ISO 10685-1.

5.2 Commercial data for frames item catalogue

Table 1 and Table 2 specify the fields used to identify the commercial information portion of the electronic frame item catalogue. See also detailed field descriptions and examples in Annex A.

— "Name" column defines the tag and attribute names within the XML file (see Annex B for schema definition).

— "O/M" column indicates whether a field is optional (O) or mandatory (M).

— "Format" column indicates the data type, e.g. TEXT.

— "Length" column indicates the field character length. The decimal lengths listed do not include the decimal point or the sign. For example, a field with the length of three could contain "100", "10.1" or "-1.01".

— "Description" column is the description of the field.

Table 1 — Spectacle frame information for the commercial portion of the electronic frame catalogue

Name	O/M	Format	Length	Description
Usrtype	M	Text	1	Type of user
Usecod	O	Text	1	Type of use
Sdtpl	O	Date	10	Start date of the applicable wholesale price
Edtpl	O	Date	10	End date of the applicable wholesale price
Prc	O	Decimal	Max 13	Wholesale price
Msrpsdtpl	O	Date	10	Start date of MSRP pricelist
Msrpedtpl	O	Date	10	End date of MSRP pricelist
Msrp	O	Decimal	Max 13	Manufacturer suggested retail price
Image	O	Text	Max 50	Name of image file
Mcoldes	M	Text	Max 50	Manufacturer colour description
Nrf	O	Integer	Max 3	NRF code or subset of NRF code for colour
Fmtyp	O	Text	1	Frame type as it relates to lens mounting
Mat	M	Text	1	Main material
Jntspg	O	Boolean	1	Sprung joint
Aspec	O	Text	Max 100	Additional specifications of the frame
Shapes	O	Table		See Table 3

Table 2 — Sunglass information for the commercial portion of the electronic frame catalogue

Name	O/M	Format	Length	Description
Usrtype	M	Text	1	Type of user
Usecod	O	Text	1	Type of use
Sdtpl	O	Date	10	Start date of the applicable wholesale price
Edtpl	O	Date	10	End date of the applicable wholesale price
Prc	O	Decimal	Max 13	Wholesale price
Msrpsdtpl	O	Date	10	Start date of MSRP pricelist
Msrpedtpl	O	Date	10	End date of MSRP pricelist
Msrp	O	Decimal	Max 13	Manufacturer suggested retail price
Image	O	Text	Max 50	Name of image file
Mcoldes	O	Text	Max 50	Manufacturer colour description
Nrf	O	Integer	Max 3	NRF code or subset of NRF code for colour
Fmtyp	O	Text	1	Frame type as it relates to lens mounting
Mat	M	Text	1	Main material of the front
SMat	O	Text	1	Main material of the side
Jntspg	O	Boolean	1	Sprung joint
Aspec	O	Text	Max 100	Additional specifications of the sunglass
Shapes	O	Table		See Table 3

Table 2 *(continued)*

Name	O/M	Format	Length	Description
Lsbcurv	O	Decimal	Max 4	Lens base curve
Ldes	O	Text	Max 50	Lens description including colours and related properties
Ctyp	O	Text	Max 50	Category of the lens (CEN in Europe, AS/NZS in Australia, ANSI in USA)
Rtyp	O	Text	Max 100	Restriction of the lens
Fltyp	O	Text	1	Filtration type of the lens
Lmat	O	Integer	1	Material of the lens

Table 3 — Rimless shapes

Name	O/M	Format	Length	Description
Shpid	M	Integer	Max 14	Shape ID
Shpdesc	O	Text	Max 50	Shape description
Shpimage	O	Text	Max 50	Shape image file link
NOTE Table 3 is repeatable. There can be multiple shapes for a rimless frame.				

For sample XML file, see Annex C.

Annex A
(normative)

Field descriptions

Table A.1 contains detailed field descriptions and examples for the electronic frame catalogue.

Table A.1 — Field of descriptions and examples for the electronic frame catalogue

Name	Example	Comments/Codification	Additional comments	ebXML Mapping
Usrtype	B	A – man, B – woman, C – child, D – unisex	Manufacturer code to define gender type of frame.	ReferencedOpticProduct → DesignatedOpticProduct Classification → ApplicableOpticProduct Characteristic
Usecod	A	A – standard, B – sport		ReferencedOpticProduct → DesignatedOpticProduct Classification → ApplicableOpticProduct Characteristic
Sdtpl	1997-07-16 T19:20:30+01:00	YYYY-MM-DDThh:mm:ssTZD	An indication the manufacturer has a price change and the date effective.	ApplicableOpticTrade Agreement → ValidityDelimitedPeriod
Edtpl	1997-10-16 T19:20:30+01:00	YYYY-MM-DDThh:mm:ssTZD	An indication the manufacturer has a price change and the date it is no longer effective.	ApplicableOpticTrade Agreement → ValidityDelimitedPeriod
Prc	50.00		Wholesale price of the product.	ApplicableOpticTrade Agreement → SpecifiedOpticPrice Information → AssignedOpticPrice → ChargeAmount
Msrpsdtpl	1997-07-16 T19:20:30+01:00	YYYY-MM-DDThh:mm:ssTZD	An indication the manufacturer has an MSRP change and the date effective.	ApplicableOpticTrade Agreement → ValidityDelimitedPeriod
Msrpedtpl	1997-10-16 T19:20:30+01:00	YYYY-MM-DDThh:mm:ssTZD	An indication the manufacturer has an MSRP change and the date it is no longer effective.	ApplicableOpticTrade Agreement → ValidityDelimitedPeriod
Msrp	130.00		Manufacturers Suggested Retail Price.	ApplicableOpticTrade Agreement → SpecifiedOpticPrice Information → AssignedOpticPrice → ChargeAmount
Image	ftp://xyz.com		The frame image URL to download the image.	MultimediaPresentation Picture → DigitalImageBinaryObject
Mcoldes	WHITE TRANSPARENT	ISO 16284	Frame colour description given by the manufacturer.	ReferencedOpticProduct → ColorDescription

Table A.1 *(continued)*

Name	Example	Comments/Codification	Additional comments	ebXML Mapping
Nrf	205		National retail federation colour code (needed only for US).	ReferencedOpticProduct → DesignatedOpticProduct Classification → ApplicableOpticProduct Characteristic
Fmtyp	A	A – rim mount, B – semi-rimless mount, C – rimless mount		ReferencedOpticProduct → DesignatedOpticProduct Classification → SubClassCode (with ClassCode=FrameClass)
Mat	A	A – plastic, B – combination, D – metal, Z – other	Manufacturer to indicate frame front main material.	ReferencedOpticProduct → ComposedOpticMaterial → ApplicableOpticProduct Characteristic
SMat	A	A – plastic, D – metal, Z – other	Manufacturer to indicate frame side main material.	ReferencedOpticProduct → ComposedOpticMaterial → ApplicableOpticProduct Characteristic
Jntspg	True		Defines if the hinge is a sprung joint (true) or not (false).	ReferencedOpticProduct → DesignatedOpticProduct Classification → ApplicableOpticProduct Characteristic
Aspec	Twinned pad		Provide additional information for the differentiation of frames or sunglass (i.e bridge type, temple tip, sun lens).	ReferencedOpticProduct → DesignatedOpticProduct Classification → ApplicableOpticProduct Characteristic
Shapes			This table is dependent on the Fmtyp being rimless. This can support multiple shapes.	In Frame Shape product: ReferencedOpticProduct → DesignatedOpticProduct Classification → SubClassCode (with ClassCode=FrameShapeClass)
Shpid	1		The Shape id.	In Frame Product: ReferencedOpticProduct → DesignatedOpticProduct Classification → ApplicableOpticProduct Characteristic In Frame Shape product: ReferencedOpticProduct → SpecifiedOpticProduct Identification → ID
Shpdesc	Oval		The description of the shape.	In Frame Shape product: ReferencedOpticProduct → ShortDescription
Shpimage	ftp://xyz.com		The frame shape image URL to download the image.	In Frame Shape product: MultimediaPresentation Picture → DigitalImageBinaryObject
Lsbcurv	06.00	ISO 13666 XX.XX DIOPTRES	Nominal curvature of the front surface of the lens.	ReferencedOpticProduct → DesignatedOpticProduct Classification → pplicableOpticProduct Characteristic

Table A.1 *(continued)*

Name	Example	Comments/Codification	Additional comments	ebXML Mapping
Ldes	Brown		The description of the lens colour and related properties.	ReferencedOpticProduct → DesignatedOpticProduct Classification → ApplicableOpticProduct Characteristic
Ctyp	2	EN 1836 for Europe ANSI Z80.3 for US AS/NZS 1067 for Australia	The mandatory category of lens mounted in sunglasses.	ReferencedOpticProduct → ApplicableOpticCEN Restriction → CategoryID
Rtyp	Not suitable for driving and road use	EN 1836 for Europe ANSI Z80.3 for US AS/NZS 1067 for Australia	Restriction on the use of the lens/filter.	ReferencedOpticProduct → ApplicableOpticCEN Restriction → ID
Fltyp	A	A – photochromic lens; B – polarising lens; C – gradient tinted lens; D – uniform tinted lens; E – photochromic and polarizing; F – others	Filtration type of the lens.	ReferencedOpticProduct → DesignatedOpticProduct Classification → ApplicableOpticProduct Characteristic
Lmat	1	Only includes the following: 0 – undefined; 1 – plastic; 2 – mineral; 3 – other		ReferencedOpticProduct → ComposedOpticMaterial → ApplicableOpticProduct Characteristic

Annex B
(informative)

Electronic frame catalogue schema (commercial section)

The schema supporting the catalogue can be found on the following websites:

a) http://www.edi-optique.org/;

b) http://www.thevisioncouncil.org/;

c) http://www.anfao.it/.

Annex C
(informative)

Electronic frame catalogue XML sample (commercial section)

```
<xml version="1.0" encoding="UTF-8"?>
<!—Sample XML file for ISO 10685-->
<ocm:CatalogueManifest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:ocm="urn:edi:optique:data:standard:CatalogueManifest:1"
xmlns:oram="urn:edi:optique:data:standard:OpticReusableAggregateBusinessInforma-
tionEntity:1"
xsi:schemaLocation="urn:edi:optique:data:standard:CatalogureManifest: 1http://
www.edi-
optique.org/standard/edioptic/data/standard/CatalogueManifest_1p1p1.xsd>
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        <oram:ReleaseID>0</oram:ReleaseID>
        <oram:RequestReferenceID/>
        <oram:ProviderOpticParty>
              <oram:ID schemeID="ZZY" schemeDataURI="http://www.edi-optique.org/
standard/edioptic/codelist/standardOpticPartyIdentificationCode-1.7.gc">
ACME</oram:ID>
              <oram:Name>ACME INC</oram:Name>
              <oram:DefinedOpticTradeContact>
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```

```
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ACME</oram:ID>
              <oram:Name>ACME INC</oram:Name>
        </oram:ManufacturerOpticParty>
        <oram:ContainedOpticCatalogueItem>
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optique.org/standard/edioptic/codelist/standard/OpticClassifications_v1.0r12.xml"
```

```
listAgencyName="Association EDI Optique" listName="OpticClassifications"
listVersionID="1.0r12"listSchemeURI="http://www.edi-optique.org/standard/
edioptic/data/standard/OpticClassifications_v1.0r06.xsd"> FrameClass
</oram:ClassCode>
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</oram:Description>
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