
**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

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 10685-2 was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 7, *Ophthalmic optics and instruments*.

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*

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 referenced documents are indispensable for the application of this document. 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*

ISO 13666, *Ophthalmic optics — Spectacle lenses — Vocabulary*

ISO 16284, *Ophthalmic optics — Information interchange for ophthalmic optical equipment*

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

The following tables specify the fields used to identify the commercial information portion of the electronic frame item catalogue (see Table 1 and Table 2). Additional information and examples are available in Annex A.

- The “name” column defines the tag and attribute names within the XML file (see Annex B for schema definition).
- The “O/M” column indicates whether a field is optional (O) or mandatory (M).
- The “format” column indicates the data type, e.g. TEXT.
- The “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’.
- The “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	O	TEXT	Max 50	MANUFACTURER COLOUR DESCRIPTION
Nrf	O	INTEGER	Max 3	NRF CODE OR SUBSET OF NRF CODE FOR COLOUR
Fmtypl	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

Table 2 (continued)

NAME	O/M	FORMAT	LENGTH	DESCRIPTION
Msrpedtpl	0	DATE	10	END DATE OF MSRP PRICELIST
Msrp	0	DECIMAL	Max 13	MANUFACTURER SUGGESTED RETAIL PRICE
Image	0	TEXT	Max 50	NAME OF IMAGE FILE
Mcoldes	0	TEXT	Max 50	MANUFACTURER COLOUR DESCRIPTION
Nrf	0	INTEGER	Max 3	NRF CODE OR SUBSET OF NRF CODE FOR COLOUR
Fmty	0	TEXT	1	FRAME TYPE AS IT RELATES TO LENS MOUNTING
Mat	M	TEXT	1	MAIN MATERIAL OF THE FRONT
SMat	0	TEXT	1	MAIN MATERIAL OF THE SIDE
Jntspg	0	BOOLEAN	1	SPRUNG JOINT
Aspec	0	TEXT	Max 100	ADDITIONAL SPECIFICATIONS OF THE SUNGLASS
Shapes	0	TABLE		SEE TABLE 3
Lsbcurv	0	DECIMAL	Max 4	LENS BASE CURVE
Ldes	0	TEXT	Max 50	LENS DESCRIPTION INCLUDING COLOURS AND RELATED PROPERTIES
Ctyp	0	TEXT	Max 50	CATEGORY OF THE LENS (CEN IN EUROPE, AS/NZS IN AUSTRALIA, ANSI IN USA)
Rtyp	0	TEXT	Max 100	RESTRICTION OF THE LENS
Fltyp	0	TEXT	1	FILTRATION TYPE OF THE LENS
Lmat	0	INTEGER	1	MATERIAL OF THE LENS

Table 3 — Rimless shapes

NAME	O/M	FORMAT	LENGTH	DESCRIPTION
Shpid	M	INTEGER	Max 14	SHAPE ID
Shpdsc	0	TEXT	Max 50	SHAPE DESCRIPTION
Shpimage	0	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	ApplicableOpticTradeAgreement → 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	ApplicableOpticTradeAgreement → ValidityDelimitedPeriod
Prc	50.00		Wholesale price of the product	ApplicableOpticTradeAgreement → SpecifiedOpticPriceInformation → 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	ApplicableOpticTradeAgreement → 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	ApplicableOpticTradeAgreement → ValidityDelimitedPeriod
Msrp	130.00		Manufacturers Suggested Retail Price	ApplicableOpticTradeAgreement → SpecifiedOpticPriceInformation → AssignedOpticPrice → ChargeAmount
Image	ftp://xyz.com		The frame image URL to download the image.	MultimediaPresentationPicture → DigitalImageBinaryObject
Mcoldes	WHITE TRANS-PARENT	ISO 16284	Frame colour description given by the manufacturer	ReferencedOpticProduct → ColorDescription
Nrf	205		National retail federation colour code (needed only for US)	ReferencedOpticProduct → DesignatedOpticProduct Classification → ApplicableOpticProduct Characteristic
Fmtypl	A	A - rim mount, B - semi-rimless mount, C - rimless mount		ReferencedOpticProduct → DesignatedOpticProduct Classification → SubClassCode (with ClassCode=FrameClass)

Table A.1 (continued)

NAME	EXAMPLE	COMMENTS/CODIFICATION	Additional comments	ebXML Mapping
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 sunglasses (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: MultimediaPresentationPicture → DigitalImageBinaryObject
Lsbcurv	06.00	ISO 13666 XX.XX DIOPTRIS	Nominal curvature of the front surface of the lens	ReferencedOpticProduct → DesignatedOpticProduct Classification → ApplicableOpticProduct Characteristic
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 → ApplicableOpticCENRestriction → 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 → ApplicableOpticCENRestriction → ID

Table A.1 (continued)

NAME	EXAMPLE	COMMENTS/CODIFICATION	Additional comments	ebXML Mapping
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: 0 – undefined, 1 – plastic, 2 – mineral, 3 – other		ReferencedOpticProduct → ComposedOpticMaterial → ApplicableOpticProduct Characteristic

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Annex B
(normative)

Electronic frame catalogue schema (commercial section)

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

- i) <http://www.edi-optique.org/standard/>
- ii) http://www.thevisioncouncil.org/members/content_255.cfm?navID=457
- iii) <http://www.anfao.it/>

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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:OpticReusableAggregateBusinessInformationEntity:1"
xsi:schemaLocation="urn:edi:optique:data:standard:CatalogueManifest:1 http://www.edi-optique.org/standard/edioptic/data/standard/CatalogueManifest_1p1p1.xsd">

  <ocm:CatalogueManifestDocument>
    <oram:TestIndicator>>false</oram:TestIndicator>
    <oram:Description languageID="en">FRAMES SPRING 2011</oram:Description>
    <oram:VersionID>000011</oram:VersionID>
    <oram:ReleaseID>0</oram:ReleaseID>
    <oram:RequestReferenceID/>
    <oram:ProviderOpticParty>
      <oram:ID schemeID="ZZY" schemeDataURI="http://www.edi-optique.org/standard/edioptic/codelist/standard/OpticPartyIdentificationCode-1.7.gc">ACME</oram:ID>
      <oram:Name>ACME INC</oram:Name>
      <oram:DefinedOpticTradeContact>
        <oram:PersonName>John Smith</oram:PersonName>
        <oram:TelephoneCIUniversalCommunication>
          <oram:CompleteNumber>512-999-9999</oram:CompleteNumber>
        </oram:TelephoneCIUniversalCommunication>
      </oram:DefinedOpticTradeContact>
    </oram:ProviderOpticParty>
    <oram:ReceiverOpticParty>
      <oram:ID schemeID="IRS">A873</oram:ID>
      <oram:Name>Customer 873</oram:Name>
    </oram:ReceiverOpticParty>
    <oram:PrimaryCode listID="ISO 4217 3A" listVersionID="2007-06-18">EUR</oram:PrimaryCode>
  </ocm:CatalogueManifestDocument>
  <ocm:OpticCatalogue>
    <oram:ID>1</oram:ID>
    <oram:Description languageID="en">FRAME SPRING 2009</oram:Description>
    <oram:ValidityDelimitedPeriod>
      <oram:StartDateTime>2009-04-15T09:30:47Z</oram:StartDateTime>
      <oram:EndDateTime>2009-12-15T09:30:47Z</oram:EndDateTime>
    </oram:ValidityDelimitedPeriod>
    <oram:StatusCode>1</oram:StatusCode>
    <oram:SupplierOpticParty>
      <oram:ID schemeID="13S">123424</oram:ID>
      <oram:Name>Supplier 123424</oram:Name>
    </oram:SupplierOpticParty>
    <oram:DeliveryDelimitedPeriod>
      <oram:StartDateTime>1997-07-16T19:20:30+01:00</oram:StartDateTime>
    </oram:DeliveryDelimitedPeriod>
    <oram:HistorizationStartDate>2009-01-01</oram:HistorizationStartDate>
    <oram:ManufacturerOpticParty>
      <oram:ID schemeID="ZZY" schemeDataURI="http://www.edi-optique.org/standard/edioptic/codelist/standard/OpticPartyIdentificationCode-1.7.gc">ACME</oram:ID>
      <oram:Name>ACME INC</oram:Name>
    </oram:ManufacturerOpticParty>
    <oram:ContainedOpticCatalogueItem>
      <oram:ID>101</oram:ID>
      <oram:ActionCode>1</oram:ActionCode>
      <oram:LastChangedDateTime>2001-12-17T09:30:47Z</oram:LastChangedDateTime>
      <oram:MultimediaPresentationPicture>
        <oram:DigitalImageBinaryObject uri="ftp://xyz.com"/>
      </oram:MultimediaPresentationPicture>
      <oram:ApplicableOpticTradeAgreement>
        <oram:ProductOrderingDelimitedPeriod>
          <oram:StartDateTime>2001-12-17T09:30:47Z</oram:StartDateTime>
          <oram:EndDateTime>2001-12-17T09:30:47Z</oram:EndDateTime>
        </oram:ProductOrderingDelimitedPeriod>
        <oram:SpecifiedOpticPriceInformation>
          <oram:AssignedOpticPrice>
            <oram:ChargeAmount>50.0</oram:ChargeAmount>
            <oram:TypeCode>AAA</oram:TypeCode>
          </oram:AssignedOpticPrice>
        </oram:SpecifiedOpticPriceInformation>
      </oram:ApplicableOpticTradeAgreement>
    </oram:ContainedOpticCatalogueItem>
  </ocm:OpticCatalogue>
</ocm:CatalogueManifest>

```