

Standardization of electronic ordering for ophthalmic lenses

ORDERS OPTO v34.2 standard (prescription lenses)

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Validation

Validation – Updates		
Date	Release	Validation committee
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Revision history

History				
Date	Release	Author	Action (pages)	Subject
15.02.04	V0.1	JL Levesque	All pages	Initial English version put to the Drafting Committee (ISO CD 16033).
18.05.05	V0.2	JC Leroy	All pages	Part translation of French document. Additions (Clarifications)
26.06.05	V0.3	JC Leroy	All pages	Final translation and addition of OPTO34 format fields.
04.10.05	V0.4	JC Leroy	All pages	Final draft for validation by the EDI-OPTIQUE Association
24.10.05	V1.0	JC Leroy	p. 8	Addition of new application codes. Final version.

19.11.05	V1.1	JC Leroy	All pages	Minor label and data number error corrections #384, #335, #194). Addition of eyeglass frame catalog references (#393, #394, #395). Additional technical data added (#396, #397). Addition of EDIFACT segment number references. Reorganisation of data sequence according to EDIFACT message structure. Addition of segment table.
08.01.05	V1.2	JC Leroy	All pages	Spelling, typo and page formatting corrections Replacement of data number #390 by #398 to avoid duplication

Reference document

Documents				
Date	Release	Author	Name of document	Title
03.06.99	V1.0	JL Levesque	16033-2.doc	ISO/CD 16033 Ophthalmic optics and instruments — Information interchange for commercial transactions in the field of Ophthalmic optics — Part 1: Spectacle lenses: prescription

Terms and acronyms

Terms and acronyms	
Term	Description
Field	A concept and its associated attribute, the definition, representation, identification and meaning of which have been determined for processing and automatic data interchange purposes (ISO 7372).
Composite field	A group of fields containing at least two component fields (ISO 7372). Composite fields are defined in the Element directory for composite data (EDCD) included in the UN-TDID
EDIFACT	E lectronic D ata I nterchange F or A dministration, C ommerce and T ransport Electronic data interchange (EDI) standards developed by UN/ECE WP.4 . Designed to provide a national and international generic syntax and a set of standardised messages. Syntax rules and the directory of similar data elements are defined under ISO standards ISO 9735 and ISO 7372 respectively.
Interchange	Communication between partners using a structured set of messages and segments, starting with a header segment and ending with a control segment (ISO 9735).
Message	A well identified and structured set of segments complying with specific electronic transaction requirements (example: an order, catalogue or bill).
Qualifier	A field, the value of which is expressed as a code, giving a particular meaning to the function of another field or segment. (ISO 9735).
Segment	A predefined set of fields and functionally-related field groups, identified by its sequential position within the given set. A segment starts with a segment identifier and ends with a segment end marker: this may be a service data segment or an application data segment (ISO 9735).
Status M	Mandatory: the segment must be present. Absence of the segment will prevent message being read.
Status O	Optional: the segment may or may not be completed, and is not conditioned by the rest of the message. Absence of the segment will not prevent the message being read, irrespective of context.
Status C	Conditional: the segment may be mandatory or optional according to current context. The conditions determining the context are specified in the comments.

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1 Introduction

This standard applies to orders of prescription ophthalmic lenses.

The purpose of this document is to present the data item composing the order message.

The document is organized as follows:

- Chapter 2 lists all the data items.
- Chapter 3 describes the structure of the order message and its different uses. It also introduces the EDIFACT format used in this EDI-Optique standard.
- Chapter 4 is not yet complete in the current document. However, it contains the table of EDIFACT segments.
- Chapter 5 describes the statistical appendix used by group purchase organizations and distributors to compile sales statistics.

Note:

Any field modifications (versus the ORDER OPTO v33 standard) are highlighted for identification. Additions are identified by different colored lines in the tables.

The document is also designed to clarify a substantial number of points.

2 Message dictionary

2.1 Identification of players

Message issuer:

Receiver:

Order issuer:

Supplier:

Make:

Delivered company:

Billed account:

Payer:

3 Significant data - Overview

3.1 Document header

D # ¹	M/O ²	Labels	Segment and qualifier ³	Type ⁴	Length ⁵	Links	Comments
#1	M	Record Id		AN	3		Order header identification code = "ENT" Please note that this item is not included in the EDIFACT file.
#2	O	Interchange number	UNB	AN	..14		This item is generated by the EDIFACT translation application. This interchange number is unique to each shipper. It is allocated on a sequential basis.

¹"D" = data item.

²"M" = mandatory, "O" = optional

³":" = qualifier data, "with" = qualifier segment. Please note that the EDIFACT segment reference (see segment table) is indicated in brackets (Sxxxx).

⁴"AN" = alphanumeric, "N" = numerical

⁵"n" = fixed length, ..n = up to n characters

D # ¹	M/O 2	Labels	Segment and qualifier ³	Type ⁴	Length ⁵	Links	Comments
							Identical to the EDIFACT file number. Very useful for subsequent searches.
#272	O	Test indicator	UNB	AN	1		"0 or blank" = actual order, "1" = test order.
#3	M	Identification code for the message issuer's application	UNB	AN	..14		Identification code for the order issuer's management application. Use only upper case letters. Do not forget to add application release n°. ABC Release 123 will appear "ABC.123". The application release reference allows corrections to be made once an error source has been identified. The following code list is not fully comprehensive. Please note that some applications do not indicate release references despite recommendations. ABC.XXX APOLLO.XXX ASPE ATOL.XXX CIBA.XXX CODIR.XXX CRISTALLIN.XXX EXEC.XXX

D # ¹	M/O 2	Labels	Segment and qualifier ³	Type ⁴	Length ⁵	Links	Comments
							EURONET.XXX IFA.XXX INDO.XXX INFO.XXX IPRO IRI ISS.XXX KARSTADT.XXX LEONARD.XXX LEONARDOPS LG3 LOH.XXX O2K01 OCS.XXX OPSYS.XXX OPTIMUM.XXX OPTOVISION.XXX RODENSTOCK.XXX RUPP.XXX STRATEMEYER.XXX VERTICAL WECO.XXX WETZLICHT.XXX ZEISS.XXX
#4	M	Order number	BGM (S0020) with 21 or 105 or 311	AN	..15		Buyer's order number. Generally allocated by the sales point management system. Please note: not to be confused with the supplier's order number.

D # ¹	M/O 2	Labels	Segment and qualifier ³	Type ⁴	Length ⁵	Links	Comments
							This order number should be stored in the supplier's order management system as it will be used in subsequent messages referring to the order, such as order confirmation, delivery note and bill. This number is also used by the client's application to identify the initial order.
#5	M	Order type	BGM (S0020) with 21 or 105 or 311	AN	..3		"21" = calculation request. "105" = new order. "311" = request for quote. Processing rules "21" = optimisation request (thickness, weight, etc.) from optician to supplier. EDI response providing all technical data following calculations is not yet defined. "105" = firm order. "311" = request for quote, time for completion, manufacturing feasibility. The last two options normally require an order confirmation from the supplier (ORDRSP).
#6	M	Order date	DTM (S0030) with 4	N	12		Date on which the order is validated in the practice management software (PMS). Format: CCYYMMDDHHMM Example: 199510151620 = October 15. 1995, at 16.20 hrs.

D # ¹	M/O 2	Labels	Segment and qualifier ³	Type ⁴	Length ⁵	Links	Comments
#280	M	Electronic order transmission date	UNB	N	8		Date generated by the EDI communication application used by the optician or distributor. Format: CCYYMMDD Example: 19951015 = October 15, 1995
#281	M	Electronic order transmission time	UNB	N	4		Date generated by the EDI communication application used by the optician or distributor. Format: HHMM Example: 1620 = 16.20 hrs (4.20 p.m.)
#7	O	General comment	FTX (S0070) with AAG	AN	..70		Please note: the processing of this data cannot be automated. Therefore, this data is only a comment which will require a manual intervention to be processed.
#8	M	Order issuer code	NAD (S0120) with BY	AN	..14		Order issuer's code
#234	C	Order issuer code qualifier	NAD: 167 NAD: 100 (S0120)	AN	..3	Data item #	"167" = EU VAT number. "100" = supplier's customer code allocated by the supplier. "YZX" = national business identification code (SIRET). In France only. "ZZY" = EDI-Optique code (number allocated by the EDI-Optique Association to all optical stores in France)
#195	O	Country code	NAD (S0120) with BY	AN	2	Data item #8	Buyer's country code.

D # ¹	M/O 2	Labels	Segment and qualifier ³	Type ⁴	Length ⁵	Links	Comments
							Country table – two alphanumeric characters ISO3166. (See section 3.2 for the exact references.) This data item is mandatory whenever item #264 is not "167".
#9	O	Name of person	CTA (S0120) with OC	AN	..15	Data item #8	Name of contact person for order issuer in case of difficulties relating to the order.
#10	O	Telephone number, e-mail, X400 number	COM (S0230) with TE or TM or XF	AN	..25	Data item #9	Telephone number or e-mail, or X400 number for the contact person (example: sales department extension number, service, etc.)
#11	M	Supplier code	NAD (S0120) with SU	AN	..14		Supplier code.
#235	C	Supplier code qualifier	NAD: 167 NAD: 100 (S0120)	AN	..3	Data item #11	"167" = EU VAT number. "100" = code allocated to the supplier by the sales outlet management application. "YZX" = national business identification code (SIRET). In France only.
#12	O	Delivered company code	NAD (S0120) with ST	AN	..14		This item is only recorded if the goods are to be delivered to a company other than the one issuing the order or to a site other than the default delivery site. This information applies to the whole order.
#236	C	Delivered company code qualifier	NAD: 167 NAD: 100 (S0120)	AN	..3	Data item #12	"167" = EU VAT number. "100" = code allocated by the supplier to the company where delivery is to take place.

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D # ¹	M/O 2	Labels	Segment and qualifier ³	Type ⁴	Length ⁵	Links	Comments
							"YZX" = national business identification code (SIRET). In France only. "ZZY" = EDI-Optique code (number allocated by the EDI-Optique Association to all optical stores in France)
#196	O	Address	NAD (S0120) with ST	AN	..35	Data item #12	If need be, the address may be entered on several lines. 1st line
#197	O	Address	NAD (S0120) with ST	AN	..35	Data item #196	2nd line
#198	O	Address	NAD (S0120) with ST	AN	..35	Data item #196	3 rd line
#199	O	City	NAD (S0120) with ST	AN	..35	Data item #12	
#200	O	Post code (Zip code)	NAD (S0120) with ST	AN	..9	Data item #12	
#201	O	Country	NAD (S0120) with ST	AN	2	Data item #12	Country code for the company where goods to be delivered. Country table – two alphanumeric characters ISO3166. (See section 3.2 for the exact references.) This data item is mandatory whenever item #236 is not "167".
#337	O	Name of carrier	NAD (0120) with CA	AN	..35		Name of carrier Carrier name is designed to allow logistics operators to select the carrier in a set list, in accordance with the supplier.

D # ¹	M/O 2	Labels	Segment and qualifier ³	Type ⁴	Length ⁵	Links	Comments
#13	O	Billed account code	NAD (S0120) with AA	AN	..14		This data item is recorded when a customer has several billing accounts with the same supplier. These accounts generally correspond to different conditions of sale.
#237	C	Billed account code qualifier	NAD: 167 NAD: 100 (S0120)	AN	..3	Data item #13	"167" = EU VAT number. "100" = code allocated by the supplier to the billing account. "YZX" = national business identification code (SIRET). In France only. "ZZY" = EDI-Optique code (number allocated by the EDI-Optique Association to all optical stores in France).
#14	O	Payer code	NAD (S0120) with PL	AN	..14		This data item is recorded when the company paying the bill differs from the company responsible for the order
#38	C	Payer code qualifier	NAD: 167 NAD: 100 (S0120)	AN	..3	Data item #14	"167" = EU VAT number. "100" = code allocated by the supplier to the company responsible for payment. "YZX" = national business identification code (SIRET). In France only. "ZZY" = EDI-Optique code (number allocated by the EDI-Optique Association to all optical stores in France).
#15	O	Message transit address	NAD (S0120) with IB	AN	..14		Message transit system address For example in the case of group transactions.

D # ¹	M/O 2	Labels	Segment and qualifier ³	Type ⁴	Length ⁵	Links	Comments
							Example: - If orders sent to suppliers must first be sent to an optician's group purchasing consortium and if the consortium does not practice order consolidation (ricochet mode), then it is the consortium's identification code that will appear on the order. - If Rupp + Hubrach has a single order processing site in Germany for the rest of Europe, the supplier code will be R+H Germany for German customers, R+H Denmark for Danish customers, etc. However, date item 15 will still bear the German site's identification code.
#239	C	Message transit address qualifier	NAD: 167 NAD: 100 (S0120)	AN	..3	Data item #15	"167" = EU VAT number. "100" = code allocated by the supplier to the message transit system. "YZX" = national business identification code (SIRET). In France only.
#16	O	Currency	CUX (S0290) with 2	AN	..3		Reference currency for the whole order. The default value for national interchanges is the national currency. Currency codes are listed in the ISO 4217 currency table with three alphanumerical characters. (See section 3.2 for the exact references.)

D # ¹	M/O 2	Labels	Segment and qualifier ³	Type ⁴	Length ⁵	Links	Comments
#17	O	Blanket contract?	SCC (S0590) with 4	AN	1		Binary value: "0" = no "1" = yes Indicates for example that the order is part of an "annual order", a common practice among opticians. Opticians and their consortia negotiate a price under an annual volume contract, which does not require reference to a specific order number or contract number.

3.2 The order introduction line - overview

D # ⁶	M/O ⁷	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
#56	M	Record Id		AN	3		Introduction line identification = "G00". Please note that this item is not included in the EDIFACT file.
#57	M	Order line number	LIN (S0940) with 0	N	6		<i>Note:</i> Each line number must be unique. The buyer's order number combined with the buyer's order line number determines: the unique character of each order sent to the supplier,

⁶"D" = data item.

⁷"M" = mandatory, "O" = optional

⁸":" = qualifier data, "with" = qualifier segment. Please note that the EDIFACT segment reference (see segment table) is indicated in brackets (Sxxxx).

⁹"AN" = alphanumeric, "N" = numerical

¹⁰"n" = fixed length, ..n = up to n characters

D # ⁶	M/O 7	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
							the recording of the data by the supplier, who can then reuse them for subsequent transactions and transmit them to clients This unique nature is what enables the order issuer's management software to automatically process subsequent messages relating to the order, such as order confirmation, tracking, delivery note and billing. Suppliers must record the order numbers and order line numbers so they can be easily restored
#59	O	Pair identifier	LIN (S0940) with 0	AN	..10		Common identifier for a pair of lenses. This may for example be the bin number (the slot where the optician stores the lenses for a particular client). This identifier should not be confused with the file reference number specified in data item #57.
#60	M	Prism balancing	PIA (S0950) with 1	N	1		"0" = standard. "1" = balance cancelled. If the value entered is "0", the manufacturer will be responsible for defining optimal prism balancing parameters. If the value entered is "1", the required special base specification (data item #126) is given separately for each eye. The manufacturer should then comply with this information.
#61	O	Weight balancing	PIA (S0950) with 1	N	1		"0" = standard. "1" = balance cancelled.

D # ⁶	M/O 7	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
							If the value entered is "0", the manufacturer will be responsible for optimal weight balancing. If the value is "1", the required weight is specified separately for each eye (data item #127). The manufacturer should then comply with this information.
#62	O	Thickness balancing	PIA (S0950) with 1	N	1		"0" = standard. "1" = balance cancelled. If the value entered is "0", the manufacturer will be responsible for optimal thickness balancing. If the value entered is "1", the required thicknesses are specified separately for each eye (data item #128 and #129). The manufacturer should then comply with this information.
#63	O	Required delivery date	DTM (S1010) with 2	N	8		Format: CCYYMMDD
#64	O	Expected payment date	DTM (S1010) with 138	N	8		Format: CCYYMMDD
#65	O	Comment for pair	FTX (S1080) with AAG	AN	..50		Please note: the processing of this data cannot be automated. Therefore, this data is only a comment which will require a manual intervention to be processed.
#267	M	Line type	RFF (S1250) with FI (1154)	AN	1		"1" = ophthalmic lens.
#268	O	Reason for return, broken lens or replacement of goods	RFF (S1250) with ABO (1154)	AN	1		If the goods are returned, this item indicates the party responsible for the return. "1" = Order issuer's error "2" = Supplier's error

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D # ⁶	M/O 7	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
#269	C	Reason for return, breakage or replacement of goods	RFF (S1250) with SZ (1154)	AN	2	Data item #268	This field is not coded by the EDI Association The message codes should therefore be defined jointly by the order issuer and the supplier. Returned goods require all the data relating to the equipment concerned to be recorded for processing and the "action code" for the order lines must be set to "1" (data items #75, #142 and #164).
#270	C	Order reference for return or broken lens	RFF (S1250) with RET (1154)	AN	15	Data item #268	Number for buyer's first order (data item #4) related to the order line number. This field is used in the event of returns, to relate each successive order to the initial order. Processing rules In the event of a return (broken lens or exchange), data must be recorded in this field with the initial order number. Any lines containing information, calculations, etc. are then coded with action code "4" (data items #075, #142 and #164). This field is empty in all other cases.
#271	C	Date and time of initial order	DTM (S1260) with 171	N	12	Data item #268	This item includes date and time of order validation in the sales outlet management application. The date must be identical to data item #6 in the initial order. CCYYMMDDHHMM Example: 199510151620 = October 15. 1995, at 16.20 hrs.

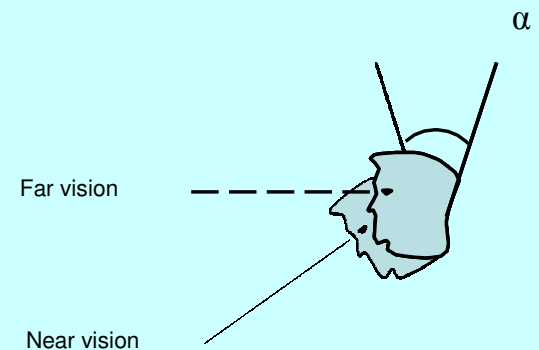
D # ⁶	M/O 7	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
#350	O	Order line number reference for returns or broken lens	RFF (S1250) with RET (1156)	AN	..6	Data item #268	Order introduction line identifier (data item #57) used as reference in the initial order (see data item #270). Processing rules - In the event of a broken lens or exchange, data must be recorded in this field if the initial order contained several order lines. - In all other cases, no data is entered in this field.
#374	O	Terms of sale code	RFF (S1250) with COP (1154)	AN	.. 15		Code identifying the terms of sale that the buyer expects the supplier to apply. The list of terms of sale must have been previously agreed by the buyer and the supplier. Example: TERCERA: terms of sale corresponding to the Afflelou company's "third level" terms of sale. <i>Note:</i> Some suppliers automatically determine what the most favourable terms are for each buyer. In this case, the item is purely notional.
#375	C	Order reference for terms of sale	RFF (S1250) with OP (1154)	AN	..15	Data item #374	Number of the buyer's initial order (data item #4) related to this order introduction line. This field is used

D # ⁶	M/O 7	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
							in cases when terms of sale applied to the initial order are applied to subsequent orders. Processing rules - This field is mandatory when the terms of sale field is higher than "01". - This field is empty in all other cases. <i>Note:</i> If only one lens or the frame is returned to the supplier, the reference for the introduction line must be completed and any items to be re-supplied must be entered in the sub-lines.
#376	O	Order line number reference for the terms of sale	RFF (S1250) with OP (1156)	AN	..6	Data item #374	Order introduction line identifier (data item #57) used as reference in the initial order (see data item #375). Processing rules This field is mandatory when the sales offer level field is higher than "1".
#351	M	Sales offer level	RFF (S1250) with CO (1156)	N	2		Indicates the order line ranking in the sequence of lines in a sales offer. "01" = first pair. "02" = second pair. "03" = third pair. This data item requires data entry...

D # ⁶	M/O ⁷	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments																																										
							If the order is not part of a sales offer, code "01" is recorded. If the order concerns a breakage, the field contains the sales offer level indicated in the corresponding line in the initial order. Example of an order not covered by a sales offer: <table><tr><td></td><td>Order n°</td><td>Line n°</td><td>Order ref. n°</td><td>Order line ref. n°</td><td>Sales offer level</td></tr><tr><td>Order</td><td>2000</td><td>1</td><td></td><td></td><td>01</td></tr></table> Example of sales offer: <table><tr><td></td><td>Order n°</td><td>Line n°</td><td>Order ref. n°</td><td>Order line ref. n°</td><td>Sales offer level</td></tr><tr><td>1st order</td><td>1000</td><td>1</td><td></td><td></td><td>01</td></tr><tr><td>2nd order</td><td>1000</td><td>4</td><td>1000</td><td>1</td><td>02</td></tr><tr><td>3rd order</td><td>1002</td><td>6</td><td>1000</td><td>1</td><td>03</td></tr></table> Example: breakage on third pair under the sales offer mentioned above: <table><tr><td>Breakage</td><td>1003</td><td>1</td><td>1002</td><td>6</td><td>03</td></tr></table>		Order n°	Line n°	Order ref. n°	Order line ref. n°	Sales offer level	Order	2000	1			01		Order n°	Line n°	Order ref. n°	Order line ref. n°	Sales offer level	1st order	1000	1			01	2 nd order	1000	4	1000	1	02	3rd order	1002	6	1000	1	03	Breakage	1003	1	1002	6	03
	Order n°	Line n°	Order ref. n°	Order line ref. n°	Sales offer level																																												
Order	2000	1			01																																												
	Order n°	Line n°	Order ref. n°	Order line ref. n°	Sales offer level																																												
1st order	1000	1			01																																												
2 nd order	1000	4	1000	1	02																																												
3rd order	1002	6	1000	1	03																																												
Breakage	1003	1	1002	6	03																																												
#366	O	Reading distance	MEA (S1120) with AAE, when CCI (S1100) with ABO and DLE (7036)				Distance in millimeters from lens to sheet of paper at usual reading distance. This value is identical for both eyes. General values Extremes: 200 to 999 Mean value: 400																																										

D # ⁶	M/O 7	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
							Processing rules Mandatory if the reading distance is specified as mandatory in the catalogue.
#377	O	Identifier for the head/eye ratio measurement tool	CCI (S1100) with ABO and CTO (7036)	AN	..35		Identification code for the ratio measurement software. Use only upper case letters. Do not forget to add application release n°. ABC Release 123 will appear as "ABC.123". The application release n° enables corrections to be carried out systematically once an error source has been identified.
#362	O	Head/eye ratio	MEA (S1120) with AAE, when CCI (S1100) with ABO and CTO (7036)	N	2		Decimal number (format 0V9). Ratio based on relative head and eye movements. This value is identical for both eyes. Also referred to as the HE ratio. General values Extremes: 0 to 1 Mean value: 0.5
#363	O	Stability ratio	MEA (S1120) with AAE, when CCI (S1100) with ABO and CST (7036)	N	2	Data item #362	Decimal number (format 0V9). Standard deviation from mean head/eye ratio. This value is identical for both eyes.

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D # ⁶	M/O 7	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
							General values Extremes: 0 to 1 Mean value: 0.2
#396	O	Vertical head tilt reading	MEA (S1120) with AAE, when CCI (S1100) with ABO and IT (7036)				Integer. Head inclination differential expressed in degrees between patient's distance vision posture and near vision posture. 
#397	O	Vision preference	MEA (S1120) with AAE, when CCI (S1100) with ABO and PU (7036)	N	2		General values Extremes: 0 to 35 Mean value: 25 Indicates wearer's most frequent use of optical equipment. "00" = no indication. "01" = distance vision. "02" = intermediate vision. "03" = near vision. "04" = distance and intermediate vision. "05" = near and intermediate vision. "06" = distance and near vision. "07" = distance, intermediate and near vision.

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D # ⁶	M/O 7	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
#66	O	Consortium membership code	NAD (S1480) with BV	AN	..14		Code allocated to an individual optician by a consortium. For example: membership code for a CDO member.
#245	C	Consortium membership code qualifier	NAD: 167 or 100 (S1480)	AN	..3	Data item #66	"167" = EU VAT number. "100" = membership code allocated by consortium. "YZX" = national business identification code (SIRET). In France only. "ZZY" = EDI-Optique code (number allocated by the EDI-Optique Association to all optical stores in France)
#67	O	Optician's reference	RFF (S1520) with AEG	AN	..20		Optician's client reference number Data item used by commercial agents when phoning and in paper documentation references. Electronic order references, however, use data item #57 to identify the order line.
#68	O	Wearer's name	NAD (S1480) with UD	AN	..35		Name of end-user (person wearing the eyeglasses) Please note: this data item and the following item may be subject to transmission restrictions. When data contained in the order refers to data included in the patient's medical file, it can only be associated with data identifying the wearer with the latter's consent, and in France, must be accompanied by a request to and/or authorization from the Data protection and privacy commission.
#208	O	First name	NAD (S1480) with UD	AN	..35	Data item #68	End-user's first name.

D # ⁶	M/O 7	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
#209	O	Title	NAD (S1480) with UD	AN	..15	Data item #68	Mr., Dr. etc.
#210	O	Sex	NAD (S1480) with UD	AN	1	Data item #68	"1" = male "2" = female.
#211	O	Professional code	NAD (S1480) with UD	AN	..4	Data item #68	Based on official denominations for professions and socio-economic categories (INSEE PCS code). (See references in section 3.2.)
#212	O	Address	NAD (S1480) with UD	AN	..35	Data item #68	1st line of end-user's address
#213	C	Address	NAD (S1480) with UD	AN	..35	Data item #212	2nd line
#214	C	Address	NAD (S1480) with UD	AN	..35	Data item #212	3 rd line
#215	C	City	NAD (S1480) with UD	AN	..35	Data item #212	
#229	C	Post code (Zip code)	NAD (S1480) with UD	AN	..9	Data item #212	
#216	O	Country	NAD (S1480) with UD	AN	2	Data item #68	
#217	O	Date of birth	DTM (S1530) avec 329 and with RFF = ZZZ	N	8	Data item #68	End-user's date of birth. Format: CCYYMMDD
#218	O	Leisure pursuits	RFF (S1520) with ZZZ	AN	..4	Data item #68	According to list drawn up by the partners. Leisure pursuits are not coded by the EDI-Optique Association.
#219	C	Mailing authorized?	CTA (S1580) with AL	AN	1	Data item #212	Binary value: "0" = no "1" = yes

D # ⁶	M/O 7	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
#69	O	Delivery destination code	NAD (S1480) with ST	AN	..14		Only complete if the company where the goods for this order line are to be delivered differs from the company referenced in the order header (data item #12).
#246	C	Delivery destination code qualifier	NAD: 167 NAD: 100 (S1480)	AN	..3	Data item #69	"167" = EU VAT number. "100" = code allocated by the supplier to the company where delivery is to take place. "YZX" = national business identification code (SIRET). In France only. "ZZY" = EDI-Optique code (number allocated by the EDI-Optique Association to all optical stores in France)
#220	O	Address	NAD (S1480) with ST	AN	..35	Data item #69	1st line
#221	C	Address	NAD (S1480) with ST	AN	..35	Data item #220	2nd line
#222	C	Address	NAD (S1480) with ST	AN	..35	Data item #220	3 rd line
#223	C	City	NAD (S1480) with ST	AN	..35	Data item #220	
#224	C	Post code (Zip code)	NAD (S1480) with ST	AN	..9	Data item #220	
#225	O	Country code	NAD (S1480) with ST	AN	2	Data item #69	
#352	O	Customer code.	NAD (S1480) with AC	AN	..14		When the entity issuing the order is a distribution platform that will then deliver the order to a sales outlet, the platform may require the final customer's address to be on the delivery notes. The customer code is used in this case.

D # ⁶	M/O 7	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
							In France, this would apply to distribution platforms such as GVIS, Guilde, etc.
#353	C	Customer code qualifier	NAD: 167 NAD: 100 (S1480)	AN	..3	Data item #69	"167" = EU VAT number. "100" = code allocated by the supplier to the company where delivery is to take place. "YZX" = national business identification code (SIRET). In France only. "ZZY" = EDI-Optique code (number allocated by the EDI-Optique Association to all optical stores in France)
#354	O	Address	NAD (S1480) with AC	AN	..35	Data item #69	1st line
#355	C	Address	NAD (S1480) with AC	AN	..35	Data item #220	2nd line
#356	C	Address	NAD (S1480) with AC	AN	..35	Data item #220	3rd line
#357	C	City	NAD (S1480) with AC	AN	..35	Data item #220	
#358	C	Post code (Zip code)	NAD (S1480) with AC	AN	..9	Data item #220	
#359	O	Country code	NAD (S1480) with AC	AN	2	Data item #69	
#70	O	Billing account code	NAD (S1480) with AA	AN	..14		Only complete if the company to be billed for this order line differs from the company referenced in the order header (data item #13).
#247	C	Billing account code qualifier	NAD: 167 NAD: 100 (S1480)	AN	..3	Data item #70	"167" = EU VAT number. "100" = code allocated by the supplier to the billing account.

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D # ⁶	M/O 7	Labels	Segment and qualifier ⁸	Type ⁹	Length ¹⁰	Links	Comments
							"YZX" = national business identification code (SIRET). In France only. "ZZY" = EDI-Optique code (number allocated by the EDI-Optique Association to all optical stores in France)
#71	O	Payer code	NAD (S1480) with PL	AN	..14		Only complete if the company paying for this order line differs from the company referenced in the order header (data item #14).
#248	C	Payer code qualifier	NAD: 167 NAD: 100 (S1480)	AN	..3	Data item #71	"167" = EU VAT number. "100" = code allocated by the supplier to the company responsible for payment. "YZX" = national business identification code (SIRET). In France only. "ZZY" = EDI-Optique code (number allocated by the EDI-Optique Association to all optical stores in France)

3.3 Order sub-line for each eye

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
#72	M	Record Id		AN	1		Detail of the identification line = "G". Please note that this item is not included in the EDIFACT file.
#73	M	Settings	LIN (S0940)	AN	2		"10" = right eye only. "11" = right eye, first pair. "12" = right eye, second pair. "20" = left eye only. "21" = left eye, first pair. "22" = left eye, second pair.
#74	M	Order sub-line number	LIN (S0940) with 10	N	6		<i>Note:</i> Each line number must be unique. The buyer's order number combined with

¹¹"D" = data item.

¹²"M" = mandatory, "O" = optional

¹³ ":" = qualifier data, "with" = qualifier segment. Please note that the EDIFACT segment reference (see segment table) is indicated in brackets (Sxxxx).

¹⁴"AN" = alphanumeric, "N" = numerical

¹⁵"n" = fixed length, ..n = up to n characters

D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
			or 11 or 12 or 20 or 21 or 22				+ buyer's order line is used: 1. to check the uniqueness of each order sent to the supplier, 2. by the supplier to record the data, which can then be reused for subsequent transactions and transmitted to clients. The data can be reused by the supplier in subsequent messages. It will thus appear again in data item #69 in the bill.
#75	M	Action code	LIN (S0940) with 10 or 11 or 12 or 20 or 21 or 22	N	1		"1" = add to order. "4" = for information only.
#76	M	Item code or product code	LIN (S0940) with 10 or 11 or 12 or 20 or 21 or 22	AN	..13	If data item #77 = "OP" then use LIN Else use PIA	Product identification code. Code length depends on type of code: • 10 characters for OPC codes. • 6 characters for EDI supplier codes. • Maximum 13 characters for OCS codes.

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D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#77	M	Item code qualifier	and PIA (S0950) with 5	AN	3	Data item #76	"OP" = OPC* code. "SA" = EDI supplier code. "OCS" = OCS** code. (*) The OPC code is the 10 digit bar code used for retail articles. The first 5 characters are defined by the Optical Product Code Council and identify the manufacturer. The next 4 digits are allocated directly by the manufacturer for a particular product. The last digit is the control character. Example of OPC code:  http://www.mecsw.com/specs/opc.html (**) The OCS code (Optiek Communicatie Standaard) is a 13 digit retail item code defined by Optiplaza, the Dutch solution provider. This code is rarely used in France. http://www.optiplaza.nl/index.cfm?PageID=199
#78	C	Type of ophthalmic lens	PIA (S0950) with 5	N	1	Data item #77 != "OP"	Ophthalmic lens category: "0" = afocal. "1" = single vision. "2" = bifocal. "3" = trifocal.

D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
							"4" = progressive. "5" = intermediate. This data item is identical to data item #57 in the message catalogue (PRICAT). It is mainly used by payment consortia and groupings for statistical purposes. This item is not mandatory with an OPC, but is strongly recommended in all other cases. Please note changes compared to previous message versions: "0" = single vision. "1" = bifocal. "2" = trifocal. "3" = progressive. "4" = executive.
#279	C	Ophthalmic lens materials	PIA (S0950) with 5	N	1	Data item #77 != "OP"	Ophthalmic lens materials: "0" = mineral. "1" = organic. "2" = polycarbonate. "3" = trivex. Not to be confused with data item #144 in records "G19" and "G29", which indicates the type of lens edger to be used for a given edging operation.

D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
							Please note changes compared to previous message versions: "1" = mineral. "2" = organic. "3" = composite. "4" = polycarbonate.
#79	C	Item name, 1st line	IMD (S0960) with 8	AN	..30	Data item #77 != "OP"	Example: "Progressive R Perfalit".
#80	O	Item name, 2nd line	IMD (S0960) with 8	AN	..30	Data item #79	
#360	C	Vision type	IMD (S0960) with 155 (7009)	AN	2		Defines the type of correction required. In many cases, with single vision lenses, the order processing software may transmit monocular near vision PDs and monocular far vision PDs for a same prescription. This field indicates which of the two values should be used. Values available: "01" = distance vision. "02" = near vision. "03" = multifocal, progressive.
#134	O	Quantity	QTY (S0980) with 21	N	..6		Quantity ordered <i>Note:</i> Default quantity is "1" for all prescription orders.
#226	C	Packaging	QTY : CU QTY : SU (S0980)	AN	..2	Data item #134	"CU" = consumer unit, default value "SU" = supplier unit

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
							<i>Note:</i> The default value for this item is "CU" for all prescription orders. Example as applied to lenses: If lenses are delivered in boxes of 20, an order for 20 consumer units will imply the delivery of one box An order for 20 supplier units, on the other hand, will imply the delivery of 20 boxes, i.e. 400 lenses.
#136	O	Comment	FTX (S1080) with AAG	AN	..50		Please note: the processing of this data cannot be automated. Therefore, this data is only a comment which will require a manual intervention to be processed.
#81	O	Additional treatment code #1	CCI (S1100) with ADI	AN	..3		Categories of treatment applied: "01" = thickness optimisation. "02" = antireflection coating. "03" = anti-scratch coating and other varnishes. "04" = standard tint. "05" = special manufacturing process. This data item is often used by suppliers to reduce message processing time. It is also used by payment consortia and groupings for statistical purposes. Please note changes compared to previous message versions: "35" = standard tinting. "36" = special tinting.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
							"56" = special manufacturing process. "72"= vacuum processing. "73"= coating.
#373		Additional treatment type 1 code qualifier	CAV (S1110) when CCI (S1100) with ADI	AN	..2		If data item #81 = "02", then: "0" = no antireflection coating. "1" = standard efficiency antireflection coating. "2" = medium efficiency antireflection coating. "3" = high efficiency antireflection coating. "5" = multilayer antireflection coating. If data item #81 = "04", then: "0" = white. "1" = filter < 15% absorption. "2" = tinted. "4" = gradient-tinted. "5" = double gradient-tinted. "6" = triple gradient-tinted. "7" = special.
#82	C	Additional treatment code 1	CCI (S1100) with ADI	AN	..6	Data item #81	Mandatory data item. Code defined by manufacturer.
#83	O	Additional treatment 1 trade name	CAV (S1110)	AN	..30	Data item #81	This data item is used mainly for information purposes, in order to carry out consistency checks.
#298	O	Additional treatment 1 – Special tint definition	CAV (S1120)	AN	..30	Data item #81	Required to order special tint as defined by the optician. For example, "ZEISS tint 234". Text is required only when the client has chosen a special tint code.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
#249	O	Lens surface where additional treatment 1 is applied	MEA (S1120) with ST	AN	..3	Data item #81	"FR" = outer face. "IN" = inner face.
#313	O	Minimum absorption % associated with the tint used in additional treatment 1	MEA (S1120) with ST	N	..2	Data item #81	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#314	O	Maximum absorption % associated with the tint used in additional treatment 1	MEA (S1120) with ST	N	..2	Data item #81	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#84	O	Additional treatment code #2	CCI (S1100) with ADI	AN	..3		Categories of treatment applied: "01" = thickness optimisation. "02" = antireflection coating. "03" = shock-resistant coating and other varnishes. "04" = standard tint. "05" = special manufacturing process. This data item is often used by suppliers to reduce message processing time. It is also used by payment consortia and groupings for statistical purposes. Please note changes compared to previous message versions: "35" = standard tinting. "36" = special tinting. "56" = special manufacturing process.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
							"72"= vacuum processing. "73"= coating.
#378		Additional treatment 2 code qualifier	CAV (S1110) when CCI (S1100) with ADI	AN	..2		If data item #81 = "02", then: "0" = no antireflection coating. "1" = standard efficiency antireflection coating. "2" = medium efficiency antireflection coating. "3" = high efficiency antireflection coating. "5" = multilayer antireflection coating. If data item #81 = "04", then: "0" = white. "1" = filter < 15% absorption. "2" = tinted. "4" = gradient-tinted. "5" = double gradient-tinted. "6" = triple gradient-tinted. "7" = special.
#85	C	Additional treatment code 2	CCI (S1100) with ADI	AN	..6	Data item #84	Mandatory data item. Code defined by manufacturer.
#250	O	Lens surface where additional treatment 2 is applied	CAV (S1110)	AN	..3	Data item #84	"FR" = outer face. "IN" = inner face.
#86	O	Additional treatment 2 trade name	CAV (S1110)	AN	..30	Data item #84	This data item is used mainly for information purposes, in order to carry out consistency checks.
#299	O	Additional treatment 2 – Special tint definition	MEA (S1120) with ST	AN	..30	Data item #84	Required to order special tint as defined by the optician. For example, "ZEISS tint 234".

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
							Text is required only when the client has chosen a special tint code.
#315	O	Minimum absorption % associated with the tint used in additional treatment 2	MEA (S1120) with ST	N	..2	Data item #84	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#316	O	Maximum absorption % associated with the tint used in additional treatment 2	MEA (S1120) with ST	N	..2	Data item #84	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#87	O	Additional treatment code #3	CCI (S1100) with ADI	AN	..3		Categories of treatment applied: "01" = thickness optimisation. "02" = antireflection coating. "03" = shock-resistant coating and other varnishes. "04" = standard tint. "05" = special manufacturing process. This data item is often used by suppliers to reduce message processing time. It is also used by payment consortia and groupings for statistical purposes. Please note changes compared to previous message versions: "35" = standard tinting. "36" = special tinting. "56" = special manufacturing process. "72" = vacuum processing. "73" = coating.

D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#379		Additional treatment type 3 code qualifier	CAV (S1110) when CCI (S1100) with ADI	AN	..2		If data item #81 = "02", then: "0" = no antireflection coating. "1" = standard efficiency antireflection coating. "2" = medium efficiency antireflection coating. "3" = high efficiency antireflection coating. "5" = multilayer antireflection coating. If data item #81 = "04", then: "0" = white. "1" = filter < 15% absorption. "2" = tinted. "4" = gradient-tinted. "5" = double gradient-tinted. "6" = triple gradient-tinted. "7" = special.
#88	C	Additional treatment code 3	CCI (S1100) with ADI	AN	..6	Data item #87	Mandatory data item. Code defined by manufacturer.
#251	O	Lens surface where additional treatment 3 is applied	CAV (S1110)	AN	..3	Data item #87	"FR" = outer face. "IN" = inner face.
#89	O	Additional treatment 3 trade name	CAV (S1110)	AN	..30	Data item #87	This data item is used mainly for information purposes, in order to carry out consistency checks.
#300	O	Additional treatment 3 – Special tint definition	MEA (S1120) with ST	AN	..30	Data item #87	Required to order special tint as defined by the optician. For example, "ZEISS tint 234". Text is required only when the client has chosen a special tint code.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
#317	O	Minimum absorption % associated with the tint used in additional treatment 3	MEA (S1120) with ST	N	..2	Data item #87	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#318	O	Maximum absorption % associated with the tint used in additional treatment 3	MEA (S1120) with ST	N	..2	Data item #87	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#90	O	Additional treatment code #4	CCI (S1100) with ADI	AN	..3		Categories of treatment applied: "01" = thickness optimisation. "02" = antireflection coating. "03" = shock-resistant coating and other varnishes. "04" = standard tint. "05" = special manufacturing process. This data item is often used by suppliers to reduce message processing time. It is also used by payment consortia and groupings for statistical purposes. Please note changes compared to previous message versions: "35" = standard tinting. "36" = special tinting. "56" = special manufacturing process. "72" = vacuum processing. "73" = coating.

D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#380		Additional treatment type 4 code qualifier	CAV (S1110) when CCI (S1100) with ADI	AN	..2		If data item #81 = "02", then: "0" = no antireflection coating. "1" = standard efficiency antireflection coating. "2" = medium efficiency antireflection coating. "3" = high efficiency antireflection coating. "5" = multilayer antireflection coating. If data item #81 = "04", then: "0" = white. "1" = filter < 15% absorption. "2" = tinted. "4" = gradient-tinted. "5" = double gradient-tinted. "6" = triple gradient-tinted. "7" = special.
#91	C	Additional treatment code 4	CCI (S1100) with ADI	AN	..6	Data item #90	Mandatory data item. Code defined by manufacturer.
#252	O	Lens surface where additional treatment 4 is applied	CAV (S1110)	AN	..3	Data item #90	"FR" = outer face. "IN" = inner face.
#92	O	Additional treatment 4 trade name	CAV (S1110)	AN	..30	Data item #90	This data item is used mainly for information purposes, in order to carry out consistency checks.
#301	O	Additional treatment 4 – Special tint definition	MEA (S1120) with ST	AN	..30	Data item #90	Required to order special tint as defined by the optician. For example, "ZEISS tint 234". Text is required only when the client has chosen a special tint code.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
#319	O	Minimum absorption % associated with the tint used in additional treatment 4	MEA (S1120) with ST	N	..2	Data item #90	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#320	O	Maximum absorption % associated with the tint used in additional treatment 4	MEA (S1120) with ST	N	..2	Data item #90	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#93	O	Additional treatment code #5	CCI (S1100) with ADI	AN	..3		Categories of treatment applied: "01" = thickness optimisation. "02" = antireflection coating. "03" = shock-resistant coating and other varnishes. "04" = standard tint. "05" = special manufacturing process. This data item is often used by suppliers to reduce message processing time. It is also used by payment consortia and groupings for statistical purposes. Please note changes compared to previous message versions: "35" = standard tinting. "36" = special tinting. "56" = special manufacturing process. "72" = vacuum processing. "73" = coating.

D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#381		Additional treatment type 5 code qualifier	CAV (S1110) when CCI (S1100) with ADI	AN	..2		If data item #81 = "02", then: "0" = no antireflection coating. "1" = standard efficiency antireflection coating. "2" = medium efficiency antireflection coating. "3" = high efficiency antireflection coating. "5" = multilayer antireflection coating. If data item #81 = "04", then: "0" = white. "1" = filter < 15% absorption. "2" = tinted. "4" = gradient-tinted. "5" = double gradient-tinted. "6" = triple gradient-tinted. "7" = special.
#94	C	Additional treatment code 5	CCI (S1100) with ADI	AN	..6	Data item #93	Mandatory data item. Code defined by manufacturer.
#253	O	Lens surface where additional treatment 5 is applied	CAV (S1110)	AN	..3	Data item #93	"FR" = outer face. "IN" = inner face.
#95	O	Additional treatment 5 trade name	CAV (S1110)	AN	..30	Data item #93	This data item is used mainly for information purposes, in order to carry out consistency checks.
#302	O	Additional treatment 5 – Special tint definition	MEA (S1120) with ST	AN	..30	Data item #93	Required to order special tint as defined by the optician. For example, "ZEISS tint 234". Text is required only when the client has chosen a special tint code.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
#321	O	Minimum absorption % associated with the tint used in additional treatment 5	MEA (S1120) with ST	N	..2	Data item #93	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#322	O	Maximum absorption % associated with the tint used in additional treatment 5	MEA (S1120) with ST	N	..2	Data item #93	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#96	O	Additional treatment code #6	CCI (S1100) with ADI	AN	..3		Categories of treatment applied: "01" = thickness optimisation. "02" = antireflection coating. "03" = shock-resistant coating and other varnishes. "04" = standard tint. "05" = special manufacturing process. This data item is often used by suppliers to reduce message processing time. It is also used by payment consortia and groupings for statistical purposes. Please note changes compared to previous message versions: "35" = standard tinting. "36" = special tinting. "56" = special manufacturing process. "72" = vacuum processing. "73" = coating.

D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#382		Additional treatment type 6 code qualifier	CAV (S1110) when CCI (S1100) with ADI	AN	..2		If data item #81 = "02", then: "0" = no antireflection coating. "1" = standard efficiency antireflection coating. "2" = medium efficiency antireflection coating. "3" = high efficiency antireflection coating. "5" = multilayer antireflection coating. If data item #81 = "04", then: "0" = white. "1" = filter < 15% absorption. "2" = tinted. "4" = gradient-tinted. "5" = double gradient-tinted. "6" = triple gradient-tinted. "7" = special.
#97	C	Additional treatment code 6	CCI (S1100) with ADI	AN	..6	Data item #96	Mandatory data item. Code defined by manufacturer.
#254	O	Lens surface where additional treatment 6 is applied	CAV (S1110)	AN	..3	Data item #96	"FR" = outer face. "IN" = inner face.
#98	O	Additional treatment 6 trade name	CAV (S1110)	AN	..30	Data item #96	This data item is used mainly for information purposes, in order to carry out consistency checks.
#303	O	Additional treatment 6 – Special tint definition	MEA (S1120) with ST	AN	..30	Data item #96	Required to order special tint as defined by the optician. For example, "ZEISS tint 234". Text is required only when the client has chosen a special tint code.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
#323	O	Minimum absorption % associated with the tint used in additional treatment 6	MEA (S1120) with ST	N	..2	Data item #96	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
324	O	Maximum absorption % associated with the tint used in additional treatment 6	MEA (S1120) with ST	N	..2	Data item #96	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
99	O	Additional treatment code #7	CCI (S1100) with ADI	AN	..3		Categories of treatment applied: "01" = thickness optimisation. "02" = antireflection coating. "03" = shock-resistant coating and other varnishes. "04" = standard tint. "05" = special manufacturing process. This data item is often used by suppliers to reduce message processing time. It is also used by payment consortia and groupings for statistical purposes. Please note changes compared to previous message versions: "35" = standard tinting. "36" = special tinting. "56" = special manufacturing process. "72" = vacuum processing. "73" = coating.

D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#383		Additional treatment type 7 code qualifier	CAV (S1110) when CCI (S1100) with ADI	AN	..2		If data item #81 = "02", then: "0" = no antireflection coating. "1" = standard efficiency antireflection coating. "2" = medium efficiency antireflection coating. "3" = high efficiency antireflection coating. "5" = multilayer antireflection coating. If data item #81 = "04", then: "0" = white. "1" = filter < 15% absorption. "2" = tinted. "4" = gradient-tinted. "5" = double gradient-tinted. "6" = triple gradient-tinted. "7" = special.
#100	C	Additional treatment code 7	CCI (S1100) with ADI	AN	..6	Data item #99	Mandatory data item. Code defined by manufacturer.
#255	O	Lens surface where additional treatment 7 is applied	CAV (S1110)	AN	..3	Data item #99	"FR" = outer face. "IN" = inner face.
#101	O	Additional treatment 7 trade name	CAV (S1110)	AN	..30	Data item #99	This data item is used mainly for information purposes, in order to carry out consistency checks.
#304	O	Additional treatment 7 – Special tint definition	MEA (S1120) with ST	AN	..30	Data item #99	Required to order special tint as defined by the optician. For example, "ZEISS tint 234". Text is required only when the client has chosen a special tint code.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
#325	O	Minimum absorption % associated with the tint used in additional treatment 7	MEA (S1120) with ST	N	..2	Data item #99	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#326	O	Maximum absorption % associated with the tint used in additional treatment 7	MEA (S1120) with ST	N	..2	Data item #99	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#102	O	Additional treatment code #8	CCI (S1100) with ADI	AN	..3		Categories of treatment applied: "01" = thickness optimisation. "02" = antireflection coating. "03" = shock-resistant coating and other varnishes. "04" = standard tint. "05" = special manufacturing process. This data item is often used by suppliers to reduce message processing time. It is also used by payment consortia and groupings for statistical purposes. Please note changes compared to previous message versions: "35" = standard tinting. "36" = special tinting. "56" = special manufacturing process. "72"= vacuum processing. "73"= coating.

D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#384		Additional treatment type 8 code qualifier	CAV (S1110) when CCI (S1100) with ADI	AN	..2		If data item #81 = "02", then: "0" = no antireflection coating. "1" = standard efficiency antireflection coating. "2" = medium efficiency antireflection coating. "3" = high efficiency antireflection coating. "5" = multilayer antireflection coating. If data item #81 = "04", then: "0" = white. "1" = filter < 15% absorption. "2" = tinted. "4" = gradient-tinted. "5" = double gradient-tinted. "6" = triple gradient-tinted. "7" = special.
#103	C	Additional treatment code 8	CCI (S1100) with ADI	AN	..6	Data item #102	Mandatory data item. Code defined by manufacturer.
#256	O	Lens surface where additional treatment 8 is applied	CAV (S1110)	AN	..3	Data item #102	"FR" = outer face. "IN" = inner face.
#104	O	Additional treatment 8 trade name	CAV (S1110)	AN	..30	Data item #102	This data item is used mainly for information purposes, in order to carry out consistency checks.
#305	O	Additional treatment 8 – Special tint definition	MEA (S1120) with ST	AN	..30	Data item #102	Required to order special tint as defined by the optician. For example, "ZEISS tint 234". Text is required only when the client has chosen a special tint code.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
#327	O	Minimum absorption % associated with the tint used in additional treatment 8	MEA (S1120) with ST	N	..2	Data item #102	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#328	O	Maximum absorption % associated with the tint used in additional treatment 8	MEA (S1120) with ST	N	..2	Data item #102	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.

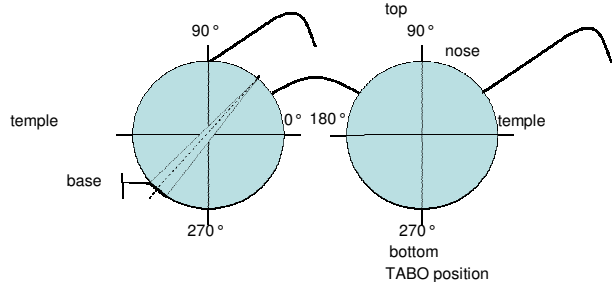
D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#105	O	Additional treatment code #9	CCI (S1100) with ADI	AN	..3		Categories of treatment applied: "01" = thickness optimisation. "02" = antireflection coating. "03" = shock-resistant coating and other varnishes. "04" = standard tint. "05" = special manufacturing process. This data item is often used by suppliers to reduce message processing time. It is also used by payment consortia and groupings for statistical purposes. Please note changes compared to previous message versions: "35" = standard tinting. "36" = special tinting. "56" = special manufacturing process. "72" = vacuum processing. "73" = coating.

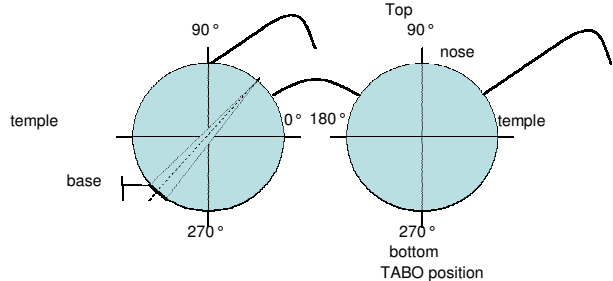
D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#398		Additional treatment type 9 code qualifier	CAV (S1110) when CCI (S1100) with ADI	AN	..2		If data item #81 = "02", then: "0" = no antireflection coating. "1" = standard efficiency antireflection coating. "2" = medium efficiency antireflection coating. "3" = high efficiency antireflection coating. "5" = multilayer antireflection coating. If data item #81 = "04", then: "0" = white. "1" = filter < 15% absorption. "2" = tinted. "4" = gradient-tinted. "5" = double gradient-tinted. "6" = triple gradient-tinted. "7" = special.
#106	C	Additional treatment code 9	CCI (S1100) with ADI	AN	..6	Data item #105	Mandatory data item. Code defined by manufacturer.
#257	O	Lens surface where additional treatment 9 is applied	CAV (S1110)	AN	..3	Data item #105	"FR" = outer face. "IN" = inner face.
#107	O	Additional treatment 9 trade name	CAV (S1110)	AN	..30	Data item #105	This data item is used mainly for information purposes, in order to carry out consistency checks.
#306	O	Additional treatment 9 – Special tint definition	MEA (S1120) with ST	AN	..30	Data item #105	Required to order special tint as defined by the optician. For example, "ZEISS tint 234". Text is required only when the client has chosen a special tint code.

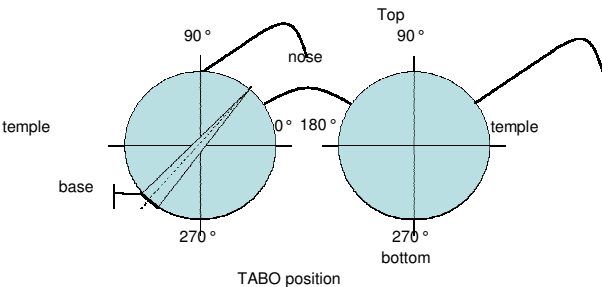
D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#329	O	Minimum absorption % associated with the tint used in additional treatment 9	MEA (S1120) with ST	N	..2	Data item #105	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#330	O	Maximum absorption % associated with the tint used in additional treatment 9	MEA (S1120) with ST	N	..2	Data item #105	Optional data item expressed as a %. Item may be required to order a standard or special tint with special absorption properties.
#108	C	Diameter	MEA (S1120) with AAE, when CCI (S1100) with ABO and ABG	N	4	Data #77 != "OP"	Decimal value in millimeters (format: 99V99). If the diameter entered is that provided by the buyer: • If the lens is centered, repeat the diameter. Example: 70,70 • If the lens is pre-decentered, enter the geometric diameter, followed by the effective diameter. Example: 70,75 • For some bifocal lenses, enter the horizontal diameter, followed by the vertical diameter. Example: 65,50 <i>Note:</i> The diameter transmitted in the order flow must be either the supplier's diameter or the buyer's, but never both. The supplier's diameter should preferably be used, to avoid confusion.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
#340	C	Diameter code qualifier	MEA: SDI MEA: BDI (S1120)	AN	..3	Data item #108	"SDI" = supplier's diameter "BDI" = buyer's diameter
#109	C	Sphere	MEA (S1120) with AAE, when CCI (S1100) with ABO and SPH	N	..4	Data #77 != "OP"	Decimal value in diopters (format: S99V99). Example: -10,25 (EDIFACT length 4) 2,50 (EDIFACT length 3)
#110	O	Cylinder	MEA (S1120) with AAE, when CCI (S1100) with ABO and CYL	N	..4		Decimal value in diopters (format: S99V99). Example: -10,25 (EDIFACT length 4) 2,50 (EDIFACT length 3)

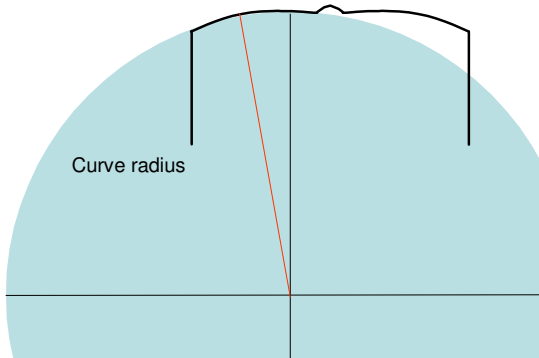
D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#111	C	Cylinder axis	MEA (S1120) with AAE, when CCI (S1100) with ABO and CLX	N	..3	Data item #110	Value in degrees (format: 999).
#112	O	Addition power	MEA (S1120) with AAE, when CCI (S1100) with ABO and ADD	N	..4		Decimal value in diopters (format: 99V99).
#113	O	Prism 1	MEA (S1120) with AAE, when CCI	N	..4		Decimal value in diopters (format: 99V99).

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
			(S1100) with ABO and PR1				
#114	C	Prism axis 1	MEA (S1120) with AAE, when CCI (S1100) with ABO and P1X	N	..3	Data item #113	Value in degrees in the TABO position (format 999). Some manufacturers prefer data item #115 to item 114.  The prism angle is calculated at the prism's half-base. This data item is exclusive of data item #115.
#115	O	Prism 1 axis position	MEA (S1120) with AAE, when CCI (S1100) with ABO and P1X	AN	..2	Data item #113	See diagram above: "BT" = top. "TP" = bottom. "NA" = nose. "TE" = temple.
#116	O	Prism 2	MEA (S1120) with AAE, when CCI (S1100) with ABO and PR2	N	..4		Decimal value in diopters (format: 99V99).

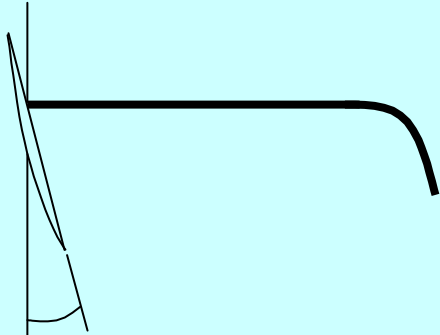
D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#117	C	Prism axis 2	MEA (S1120) with AAE, when CCI (S1100) with ABO and P2X	N	..3	Data item #116	Value in degrees in the TABO position (format 999). Some manufacturers prefer data item #118 to item 117.  The prism angle is calculated at the prism's half-base. This data item is exclusive of data item #118.
#118	O	Prism 2 axis position	MEA (S1120) with AAE, when CCI (S1100) with ABO and P2X	AN	..2	Data item #116	See diagram above: "BT" = top. "TP" = bottom. "NA" = nose. "TE" = temple.
#119	O	Inset 1	MEA (S1120) with AAE, when CCI (S1100) with ABO and DC1	N	..4		Decimal value in millimeters (format 99V99).
#120	C	Inset axis 1	MEA (S1120) with AAE, when CCI	N	..3	Data item #119	Value in degrees in the TABO position (format 999). Some manufacturers prefer data item #121 to item 120.

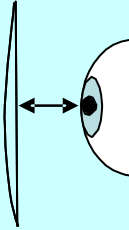
D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
			(S1100) with ABO and D1X				
#121	O	Position of inset axis #1	MEA (S1120) with AAE, when CCI (S1100) with ABO and D1X	AN	..2	Data item #119	See diagram above: "BT" = top. "TP" = bottom. "NA" = nose. "TE" = temple.
#122	O	Inset 2	MEA (S1120) with AAE, when CCI (S1100) with ABO and DC2	N	..4		Decimal value in millimeters (format 99V99).
#123	C	Inset axis 2	MEA (S1120) with AAE, when CCI (S1100) with ABO and D2X	N	..3	Data #122	Value in degrees in the TABO position. Some manufacturers prefer data item #124 to item #123.

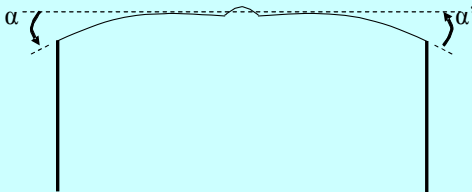
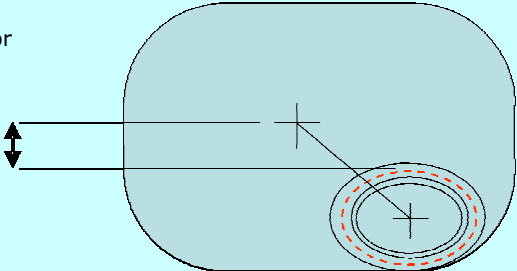
D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#124	O	Position of inset axis #2	MEA (S1120) with AAE, when CCI (S1100) with ABO and D2X	AN	..2	Data #122	See diagram above: "BT" = top. "TP" = bottom. "NA" = nose. "TE" = temple.
#125	O	Special diameter	MEA (S1120) with AAE, when CCI (S1100) with ABO and DAS	N	4		Decimal value in millimeters (format: 99V99). Example: 62.55.
#126	C	Special base	MEA (S1120) with AAE, when CCI (S1100) with ABO and BAS	N	5	Data #60 != " 1 "	Decimal value in diopters (format: S99V99). The base expresses the lens curve. This data item is generally identical to data item #176 in the frame order sub-line specifying the frame base.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
							$\text{Base} = \frac{\text{Mean indice (1.525)} - 1}{\text{lens curve radius in m (plane mode)}}$  General values Extremes: 0 to 20
#127	C	Special weight	MEA (S1120) with AAE, when CCI (S1100) with ABO and WGS	N	..3	Data item #61 != " 1 "	In grams (format: 999). (See weight balancing cancelled.)

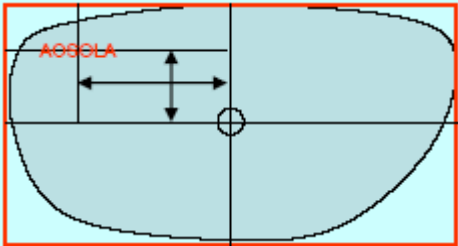
D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
#128	C	Special center thickness	MEA (S1120) with AAE, when CCI (S1100) with ABO and SMT	N	..4	Data item #62 != "1"	Decimal value in millimeters (format: 99V99).
#129	C	Special lens edge thickness	MEA (S1120) with AAE, when CCI (S1100) with ABO and SET	N	..4	Data item #62 != "1"	Decimal value in millimeters (format: 99V99).
#130	O	Special drilling spot thickness	MEA (S1120) with AAE, when CCI (S1100) with ABO and DPT	N	..4		Decimal value in millimeters (format: 99V99).
#131	O	Height of near vision segment	MEA (S1120) with AAE, when CCI (S1100) with ABO and HVP	N	..4		Decimal value in millimeters (format: 99V99).
#132	O	Decentering of near vision segment	MEA (S1120) with AAE, when CCI (S1100) with ABO and DVP	N	..4		Decimal value in millimeters (format: 99V99).
#133	O	Rotation angle required for near vision convergence	MEA (S1120) with AAE, when CCI	N	2		Value in degrees (format: 99).

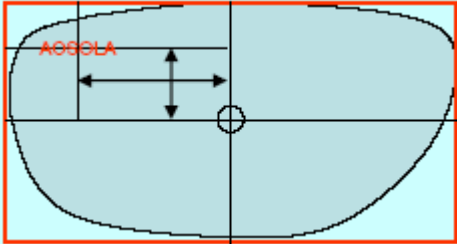
D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
			(S1100) with ABO and ANP				
#361	O	Pantoscopic angle	MEA (S1120) with AAE, when CCI (S1100) with ABO and APA (7036)	N	5		Decimal value in degrees (format: S99V99). The pantoscopic angle is also called the inclination angle  Pantoscopic angle In this example, the angle is positive. Pantoscopic angles may be negative. The pantoscopic angle is often identical for OD and OS. The pantoscopic angle is recorded in the frame catalogue under date item #519, but may be modified by the optician according to the wearer.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
							General values Extremes: -45 to 45 (positive values generally expected) Mean value: 6 Processing rules Mandatory if the pantoscopic angle is specified as mandatory in the catalogue.
#364	O	Eye-lens distance	MEA (S1120) with AAE, when CCI (S1100) with ABO and DVO (7036)	N	4		Decimal value in millimeters (format: 99V99).  General values Extremes: 0 to 50.00 Mean value (lens) 15.00 Value 0 is entered for contact lenses
#365	O	Face form angle	MEA (S1120) with AAE, when CCI (S1100) with ABO and ACO (7036)	N	4		Decimal value in degrees (format 99V99). The angle is measured from a plane plumb to the nose Angle α' in the example below is positive.

D # ¹¹	M/O 12	Labels	Segment and qualifier 13	Type ¹⁴	Length ¹⁵	Links	Comments
							 General values Extremes: 0 to 20 Mean value: 6
#367	O	Corridor length	MEA (S1120) with AAE, when CCI (S1100) with ABO and LCP (7036)	N	4		Decimal value in millimeters (format 99V99). Vertical distance between the distance vision center and the point where correction equals x% of the prescribed add power (see data item #368) 

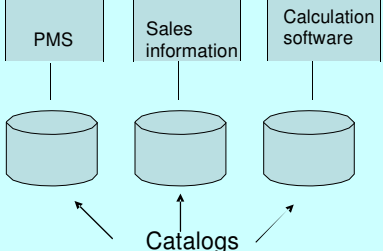
D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
							General values Extremes: 5 to 35 Processing rules Mandatory if the progression corridor length is specified as mandatory in the catalogue.
#368	O	Percentage of addition power	MEA (S1120) with AAE, when CCI (S1100) with ABO and PAD (7036)	N	2		Integer (format: 99). Percentage of the addition power used to measure corridor length. General values Extremes: 50 to 100 Mean value: 85 Note: this value may vary from one manufacturer to another. Common values are as follows: 90% for AO.SOLA, 85% for Essilor. Processing rules Mandatory if data item #9 is entered.
#369	O	Customization text	CCI (S1100) with PER (7036)	AN	..10		Allows the optician to enter a text which will appear on the OD lens. Generally when wearer's initials are engraved or marked.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
#370	O	Type of lens customization	CCI (S1100) with PER (7036)	AN	2		Indicates technique used to apply customization to the lens. "01" = marking. "02" = invisible engraving.
#371	0	Horizontal decentering of customized marks/engraving	MEA (S1120) with DS, when CCI (S1100) with PER and DHP (7036)	N	4		Value in millimeters (format 99V99). Indicates horizontal distance between center of engraved or marked customized text and box center. 
#372	0	Vertical decentering of customized text.	MEA (S1120) with DS, when CCI (S1100) with PER and DHP (7036)	N	4		Value in millimeters (format 99V99). Indicates vertical distance between center of engraved or marked customized text and box center.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
							
#390	O	Range type	CCI (S1100) with GAM (7036)	AN	..3		Indicates whether the product range is off-the-shelf, custom-made (Rx) or one-off. Please note: One-off ranges are subject to supplier approval of product feasibility. "1" = off the shelf. "2" = RX. "3" = one-off.
#391	O	Range name	CCI (S1100) with GAM (7036)	AN	..35		The range name is a trade name used to distinguish several ranges belonging to the same type. Range names may be used to distinguish ranges offering different services (ex: a "chrono" range indicating a rapid delivery service) or manufactured according to unusual parameters

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
							One same product with the same diameter may have different progression lengths in the "RXL16" and "RXL17" ranges.
#137	O	Basic tariff	PRI (S1190) with AAB	N	..15		The basic unit price includes any additional charges (format: 9(13)V99).
#138	O	Net sales price ex.VAT	PRI (S1190) with AAA	N	..15		Format: 9(13)V99).
#284	O	Balancing lens?	RFF (S1520) with ZZZ	N	1		Binary value: "0" = no "1" = yes Indicates whether the lens is a balancing lens, i.e. designed for someone who is deprived of sight in that eye, but manufactured to the same weight, thickness and prism specifications as the other lens. This Boolean item is generally linked to specific sales conditions.
#135	O	Transport specifications.	RFF (S1520) with AFZ	N	1		Indicates the type of transport service and/or logistics process applied by the supplier. "0" = normal. "1" = express delivery. "2" = with acknowledgement of receipt "3" = group consignment. "4" = special (for diagnosis lenses). "5" = remaining order due. "6" = degrouping.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
							<i>Note:</i> Code "4" does not apply to ophthalmic lenses. Please note changes compared to previous message versions: "0" = minor. "1" = off the shelf. "2" = RX. "3" = express delivery. "4" = special (for diagnosis lenses). "5" = remaining order due.
#283	O	Insurance request to lens supplier	RFF (S1520) with ABG (1154)	AN	1		"1" = yes
#385	O	Catalog name	RFF (S1520) with CAT (1154)	AN	..14		Refers to catalog data item #316 (PRICAT) This data must be recorded for each order line. Catalog data item #316 is sometimes modified by applications when reprocessing generated catalogs. The data required is the initial data. A given retail outlet may have several catalogs with several different versions.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
							 This field must contain the name of the catalog used to validate the lens chosen.
#386	O	Catalog perimeter code	RFF (S1520) with CAT (1156)	AN	..35		Refers to data item #385. This item is used when a supplier publishes several catalogs containing several distinct product groups.
#387	O	Catalog version and release.	RFF (S1520) with CAT (4000)	AN	..35		Format: Version. Release. Version: Refers to catalog data item #5 (PRICAT). This data must be recorded for each order line. Catalog data item #5 is sometimes modified by applications when reprocessing generated catalogs. The data required is the initial data. Release. Refers to catalog data item #315 (PRICAT). This data must be recorded for each order line.

D # ¹¹	M/O ¹²	Labels	Segment and qualifier ¹³	Type ¹⁴	Length ¹⁵	Links	Comments
							Catalog data item #315 is sometimes modified by applications when reprocessing generated catalogs. The data required is the initial data.
#388	O	Calculation engine name and version	RFF (S1520) with MC (1154)	AN	..14		Name of engine XXX Example: Essilor's UPX, version 2.34. UPX.234. Other example: AO Sola's AOCalc.
#389	O	Name of schedule file.	RFF (S1520) with FA	AN	70		Characters 0-9 and A-Z and "." are authorized. If data is recorded in the field, a file must be attached. The schedule file can be used to store proprietary data. Data in the order file must not be stored in the schedule file.

3.4 Sub-lines details relating to lens edging and fitting for each eye

D # ¹⁶	M/O ¹⁷	Labels	Segment and qualifier ¹⁸	Type ¹⁹	Length ²⁰	Links	Comments
#139	O	Record Id		AN	1		Detail of the identification line = "G". This order sub-line is optional. Please note that this item is not included in the EDIFACT file.
#140	M	Settings	LIN (S0940)	AN	2		"19" = right eye. "29" = left eye.

¹⁶"D" = data item.

¹⁷"M" = mandatory, "O" = optional

¹⁸":" = qualifier data, "with" = qualifier segment. Please note that the EDIFACT segment reference (see segment table) is indicated in brackets (Sxxxx).

¹⁹"AN" = alphanumeric, "N" = numerical

²⁰"n" = fixed length, ..n = up to n characters

D # ¹⁶	M/O ¹⁷	Labels	Segment and qualifier ¹⁸	Type ¹⁹	Length ²⁰	Links	Comments
#141	M	Order sub-line number	LIN (S0940) with 19 or 29	N	..6		<i>Note:</i> Each line must be numbered separately. The combination of buyer's order number + buyer's order line is used: 1. to check the unique character of each order sent to the supplier, 2. by the supplier to record the data, which can then be reused for subsequent transactions and transmitted to clients.
#142	M	Action code	LIN (S0940) with 19 or 29	N	1		"1" = add to order. "4" = for information only.
#161	O	Extra charges/Inclusions	LIN (S0940) with 19 or 29	AN	1		"A" = the price is added to the configuration price "I" = the price is included in the configuration price
#143	M	Service code	LIN (S0940) with 19 or 29 and PIA (S0950) with 1	N	1		"0" = without edging. "1" = edging and fitting. "2" = edging without fitting.
#392	O	Optimization	LIN (S0940) with 19 or 29 and PIA (S0950) with 1	N	1		"0" = no "1" = yes
#149	C	Thickness optimization method	LIN (S0940) with 19 or 29 and	N	1		Indicates the data required for edge thickness optimization. "1" = standard form. "2" = pre-digitized form.

D # ¹⁶	M/O ¹⁷	Labels	Segment and qualifier ¹⁸	Type ¹⁹	Length ²⁰	Links	Comments
			PIA (S0950) with 1				"3" = digitization. "4" = pattern tracing. In order to undertake thickness optimization, the manufacturer must have the final lens shape specifications. This data item is therefore mandatory for thickness optimization. Please note changes compared to previous message versions: "01" = no thickness optimization. "1" = standard form. "2" = pre-digitized form. "3" = digitization. "4" = pattern tracing.
#158	O	Comment	FTX (S1080) with ACB	AN	..50		Please note: the processing of this data cannot be automated. Therefore, this data is only a comment which will require a manual intervention to be processed.
#144	O	Type of lens edger required	CAV (S1110), when CCI (S1100) with EN and GRD	N	1		Identification data for the lens edger type. "0" = mineral. "1" = organic. "2" = polycarbonate. "3" = trivex. This data may differ from that contained in data item #279, lines "G10", "G11", "G22", etc.

D # ¹⁶	M/O ¹⁷	Labels	Segment and qualifier ¹⁸	Type ¹⁹	Length ²⁰	Links	Comments
							Please note changes compared to previous message versions: "1" = mineral. "2" = organic. "3" = composite. "4" = polycarbonate.
#285	O	Edging correction	MEA with VO, when CCI (S1100) with EN and GRD	N	..4	Data item #144	Signed value in millimeters.
#286	C	Application field for correction	MEA with VO, when CCI (S1100) with EN and GRD	AN	1	Data #285	"1" = radius "2" = diameter. "3" = perimeter.
#145	O	Type of finish	CAV, when CCI (S1100) with EN and FNH	N	1		"0" = default value. "1" = mirror. "2" = lens front. "3" = automatic. "4" = lens back. "5" = frame adjustment. "6" = frame base. "7" = nylor.
#146	C	Bevel position	MEA with VO, when CCI (S1100) with EN and BVL	N	2	Data item #145 1. If data item #145 == '3', then data item #146 = '00' or '%%'	"00" = automatic. "%%" = lens front * 100/lens back. "dd" = distance between the lens front and back in tenths of millimeters.

D # ¹⁶	M/O ¹⁷	Labels	Segment and qualifier ¹⁸	Type ¹⁹	Length ²⁰	Links	Comments
						2. If data item #145 == '2', then data item #146 = 'dd'	
#333	C	Groove position	MEA with VO, when CCI (S1100) with EN and GP	N	2	Data item #145 If data item #145 == '7' then data item #333 = '00' or '%'	"00" or "50" = centered groove. "%" = groove with % markings
#334	C	Groove depth	MEA with VO, when CCI (S1100) with EN and GD	N	3	Data #145 != '7'	Decimal value in millimeters (format: 9V99).
#335	C	Groove width	MEA with VO, when CCI (S1100) with EN and GW	N	3	Data #145 != '7'	Nylon wire groove width.
#147	O	Safety bevel	MEA with VO, when CCI with EN and (S1100) CBL	N	2		"0" = without safety bevel. "V" = safety bevel value. General values Extremes: 1 to 10
#148	O	Polishing	CAV, when CCI (S1100) with EN and PLH	N	1		"0" = standard lens edge. "1" = polished lens edge.
#293	O	Standard shape code	CAV,	AN	1		The actual lens shape is shown approximately by

D # ¹⁶	M/O ¹⁷	Labels	Segment and qualifier ¹⁸	Type ¹⁹	Length ²⁰	Links	Comments
			when CCI (S1100) with EN and SHC				reference to a standard type (suppliers usually have 8 or 9 standard types available).
#294	C	Standard shape code qualifier	CAV, when CCI (S1100) with EN and SHC	AN	.. 3	Data #293	"ESS" = Essilor. "AOS" = AO.SOLA, etc. Essilor's standard shape n°3 may correspond to AO.SOLA's shape n°6. This is why it is essential to specify the supplier with the code.
#150	O	Centering method	CAV, when CCI (S1100) with EN and CM	N	1		"1" = boxing system center. "2" = optical center or PRP (prism reference point). When the shape file attached to the order is based on a polar representation derived from a standard shape (data item #147 = "1"), the circle center must be specified. In DIN58208, "1" refers to point M, and "2" to point Z for non progressive lenses. "2" refers to the PRP for progressive lenses.
#151	O	Half pupillary distance (1/2 PD) (in boxed lens (boxing) system)	MEA with AAE, when CCI (S1100) with ABO and PDB	N	..4		Decimal value in millimeters (format 99V99). Horizontal distance between the optical center (distance vision) and the middle of the frame.
#152	O	"H" measurement (in boxed lens (boxing) system)	MEA with	N	..4		Decimal value in millimeters (format 99V99).

D # ¹⁶	M/O ¹⁷	Labels	Segment and qualifier ¹⁸	Type ¹⁹	Length ²⁰	Links	Comments
			AAE, when CCI (S1100) with ABO and HH				Distance from the frame base to - optical center (single vision), - fitting cross (progressive lenses), - segment top (bi or tri-focals)
#153	O	Horizontal inset (delta X)	MEA with AAE, when CCI (S1100) with ABO and HD	N	..4		Signed decimal value in millimeters (format S9V99). Horizontal distance from the optical center to the Box Center (<0 nasal decentering, >0 temporal decentering).
#154	O	Vertical inset (delta Y)	MEA with AAE, when CCI (S1100) with ABO and VD	N	..4		Signed decimal value in millimeters (format S9V99). Vertical distance from the optical center to the Box Center (<0 top decentering, >0 bottom decentering).
#155	O	Minimum diameter for thickness optimization (Effective diameter)	MEA with AAE, when CCI (S1100) with ABO and MDP	N	..5		Decimal value in millimeters (format 999V99). Minimum diameter for frame assembly. Equals 2E ("E" measurement x 2) in the precalibrating data flow.
#156	O	Near vision half pupillary distance (1/2 PD) (in boxed lens (boxing) system)	MEA with AAE, when CCI (S1100) with ABO and MDB	N	..4		Decimal value in millimeters (format 99V99). Horizontal distance from the near vision center to the middle of the frame.
#157	C	Minimum edge thickness required for optimization	MEA with AAE, when CCI	N	..3		Decimal value in millimeters (format 99V99). <i>Note:</i>

D # ¹⁶	M/O ¹⁷	Labels	Segment and qualifier ¹⁸	Type ¹⁹	Length ²⁰	Links	Comments
			(S1100) with ABO and MET				Mandatory in the case of thickness optimization.
#282	O	Center thickness for optimization	MEA with AAE, when CCI (S1100) with ABO and CTP	N	..3		Decimal value in millimeters (format 99V99).
#288	O	1st risk assumed by optician	CAV, when CCI (S1100) with EN and RK1	AN	..5		1 st risk code. Example: the lens is slightly too small. Risk codes are used by the optician when she/he chooses to ignore a known risk. Risks will be coded in a subsequent publication. Example: lens slightly too small: near vision optical center outside frame, etc.
#289	O	2nd risk assumed by optician	CAV, when CCI (S1100) with EN and RK2	AN	..5		2 nd risk code.
#290	O	3 rd risk assumed by optician	CAV, when CCI (S1100) with EN and RK3	AN	..5		3 rd risk code.
#291	O	4 th risk assumed by optician	CAV, when CCI (S1100) with EN and RK4	AN	..5		4 th risk code.
#292	O	5 th risk assumed by optician	CAV, when CCI (S1100) with EN and RK5	AN	..5		5 th risk code.

D # ¹⁶	M/O ¹⁷	Labels	Segment and qualifier ¹⁸	Type ¹⁹	Length ²⁰	Links	Comments
#159	O	Basic tariff	PRI (S1190) with AAB	N	..15		Format: 9(13)V99).
#160	O	Net sales price ex.VAT	PRI (S1190) with AAA	N	..15		Format: 9(13)V99).

3.5 Frame data associated with fitting instructions

D # ²¹	M/O ²²	Labels	Segment and qualifier ²³	Type ²⁴	Length ²⁵	Links	Comments
#162	0	Record Id		AN	3		Frame line identification code = "G90". This order sub-line is optional. Please note that this item is not included in the EDIFACT file.
#163	M	Order line number	LIN (S0940) with 1 and 90	N	6		Note: Each line must be numbered separately. The combination of buyer's order number + buyer's order line is used:

²¹"D" = data item.

²²"M" = mandatory, "O" = optional

²³":" = qualifier data, "with" = qualifier segment. Please note that the EDIFACT segment reference (see segment table) is indicated in brackets (Sxxxx).

²⁴"AN" = alphanumeric, "N" = numerical

²⁵"n" = fixed length, ..n = up to n characters

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D # ²¹	M/O 22	Labels	Segment and qualifier 23	Type ²⁴	Length ²⁵	Links	Comments
#162	0	Record identification code		AN	3		1. to check the unique character of each order sent to the suppliers, 2. by the supplier, to record the data, which can then be reused for subsequent transactions and transmitted to clients
#164	M	Action code	LIN (S0940) with 1 and 90	N	1		"1" = add to order (frame supplied by the supplier). "2" = frame supplied by the optician. "4" = for information only. Please note changes compared to previous message versions: "1" = add to order. "4" = for information only.
#165	M	Item code	LIN (S0940) with 1 and 90 or PIA (S0950) with 5	AN	35	If the code used is an UPC or EAN code, use segment LIN; in all other cases, use segment PIA	Product identification code. Code length depends on type of encoding used (see data item #166): • 12 alphanumerical characters for a UPC code; • 13 alphanumerical characters for an EAN code; • up to 35 alphanumerical characters for manufacturers' codes. This code allows full identification of the item ordered. If this is not the case, use the structured description based on make, model, frame type, color, bridge, temple and base.

D # ²¹	M/O ²²	Labels	Segment and qualifier ²³	Type ²⁴	Length ²⁵	Links	Comments
#166	M	Item code qualifier	LIN (S0940): UP LIN (S0940): EN PIA (S0950) MF	AN	2		"UP" = UPC code. "EN" = EAN13 code. "MF" = manufacturer's code.
#167	C	Make	PIA (S0950) with 5	A N	..14	If data item #166 == 'MF'	Example: "LOGO"
#168	C	Model	PIA (S0950) with 5	A N	.. 35	If data item #166 == 'MF'	
#169	C	Frame type	PIA (S0950) with 5	A N	1	If data item #166 == 'MF'	"0" = metal. "1" = plastic. "2" = grooved. "3" = hole and screw. "4" = design logo. "5" = clip. "6" = optyl. " " = other.
#170	O	Manufacturer's color	PIA (S0950) with 5	A N	..35	If data item #166 == 'MF'	Frame color. A color code is in the process of being developed. Use manufacturer's catalog code when available. In all other cases, describe in own words.
#179	C	Quantity	QTY (S0980) with 21	N	1	#16 4	Integer (format 9). If data item #164 is not "4", quantity is mandatory and must be higher than 0.
#180	O	Shape reader identification.	GIR (S1040)	A N	..14		Identification n° allocated by manufacturer.

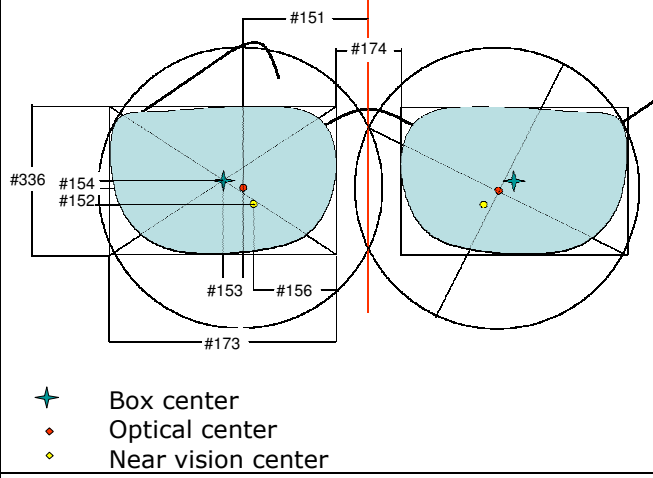
D # ²¹	M/O ²²	Labels	Segment and qualifier ²³	Type ²⁴	Length ²⁵	Links	Comments
			with 7				Note: Use only upper case letters. Examples: "ESSILOR.01" = Precalculated data "ESSILOR.02" = tablette "ESSILOR.03" = 90I "ESSILOR.04" = 900Ix "ESSILOR.05" = gamma 1 side "ESSILOR.06" = X89 "ESSILOR.07" = X90 "NIDEK.01" = 1st NIDEK reference, "NIDEK.NN" nth NIDEK reference "WECO.01" = 1st WECO reference "WECO.NN" nth WECO reference
#181	O	Shape reader version.	GIR (S1040) with 7	A N	..14		Shape reader version identified in data item #180. Identification n° allocated by manufacturer.
#182	O	Shape reader software version.	GIR (S1040) with 7	A N	..14		Firmware identification reference allocated by the manufacturer. Note: Use only upper case letters.
#183	C	Tracer make.	GIR (S1040) with 7	A N	..14	Data item #180	Note: Use only upper case letters. Example: "WECO", "ESSILOR", "BRIOT", "NIDEK", etc.
#184	O	Name of 1 st shape tracing document	DOC (S1060)	AN	..12	see GENRAL	Data depends on reference type

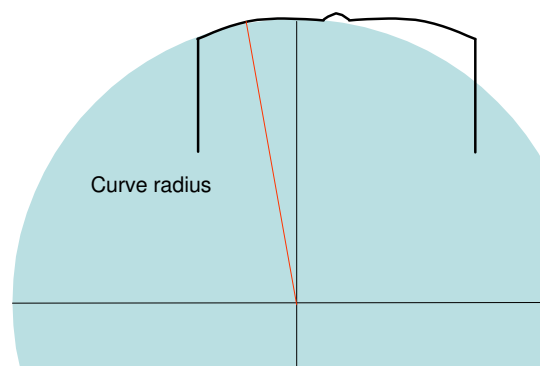
D # ²¹	M/O ²²	Labels	Segment and qualifier ²³	Type ²⁴	Length ²⁵	Links	Comments
			with 327			message	lens shape: • if the shape file being sent has been read by a shape reader, please indicate the DOS binary filename; • if the frame image has been scanned, please indicate the DOS binary filename; • if the lens shape is sent by fax, please enter the reference for the fax associated with the lens pattern tracing process.
#185	C	Type of associated document	DOC (S1060) with 327	AN	..3	Data item #184	"FT" = combined file transfer (binary file + image) in the same interchange. "FX" = fax sent separately. In a combined file transfer, data items 184 and 185 are used by the supplier's EDI translator to change the filename for the binary lens shape file. This helps to avoid possible mix-ups when the manufacturer receives the order. If information is sent by fax, no associated file is sent with the order. However, any data sent by fax derived from the pattern tracing process or from rough tracing derived from a customer sales application, must be sent under the reference indicated in data item #184, and be OCR readable so it can be used by manufacturer. Please note that drilling position data must also be sent via this channel. Please note that drilling position data must also be sent via this channel.

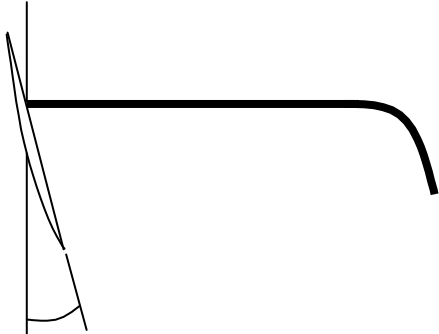
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D # ²¹	M/O ²²	Labels	Segment and qualifier ²³	Type ²⁴	Length ²⁵	Links	Comments
#273	C	Identifier type for the associated document	DOC (S1060) with 327	AN	..2	Data item #184	"0" = equipment. "1" = right eye. "2" = left eye.
#274	O	Name of 2 nd shape tracing document	DOC (S1060) with 327	AN	..12		Data depends on shape reference type: - if the shape file being sent has been read by a shape reader, please indicate the DOS binary filename; - if the frame image has been scanned, please indicate the DOS binary filename; - if the lens shape is sent by fax, please enter the reference for the fax associated with the lens pattern tracing process. Note: 1 or 2 shape tracing documents may be associated with complete lens and frame configurations. 1 file for full lens and frame order. The single file may comprise eye palpation data for both eyes. Data item #273 is set to "0", and data items 274, 275 and 276 are empty. 2 files for full lens and frame order. 1st file for either right or left lens. Data item #273 is set to "1" or "2", and data items 274, 275 and 276 are recorded for the second file.

D # ²¹	M/O ²²	Labels	Segment and qualifier ²³	Type ²⁴	Length ²⁵	Links	Comments
#275	C	Type of associated document	DOC (S1060) with 327	AN	..3	Data item #274	"FT" = combined file transfer (binary file + image) in the same interchange. "FX" = fax sent separately.
#276	C	Identifier type for the associated document	DOC (S1060) with 327	AN	..2	Data item #274	"1" = right eye. "2" = left eye.
#171	O	Frame elasticity.	MEA (S1120) with AAE, when CCI (S1100) with ABO and FRE	N	..4		Codes will be specified in a subsequent issue of this standard. Precision lens carving requires elasticity to be taken into account.
#172	O	Lens groove geometry	MEA (S1120) with AAE, when CCI (S1100) with ABO and SWG	N	..4		Elasticity is defined in this field, to enhance lens edging precision. Codes will be specified in a subsequent issue of this standard.

D # ²¹	M/O ²²	Labels	Segment and qualifier ²³	Type ²⁴	Length ²⁵	Links	Comments
#173	O	Horizontal boxed lens size ("A" measurement)	MEA (S1120) with AAE, when CCI (S1100) with ABO and FSA	N	..4		Decimal value in millimeters (format 99V99). Distance between the vertical sides of the rectangular box containing the lens shape.  ★ Box center ◆ Optical center ◆ Near vision center
#336	O	Vertical boxed lens size ("B" measurement)	MEA (S1120) with AAE, when CCI (S1100) with ABO and FSB	N	..4		Decimal value in millimeters (format 99V99).
#174	O	Distance between lenses ("D" measurement)	MEA (S1120) with AAE, when CCI (S1100) with ABO and BRD	N	..4		Decimal value in millimeters (format 99V99). Horizontal distance between the internal vertical sides of the rectangular "boxes" containing the right and left lens shapes^c.
#175	O	Temple	MEA (S1120) with AAE, when CCI (S1100) with ABO and ARM	N	..5		Decimal value in millimeters (format 99V99).

D # ²¹	M/O 22	Labels	Segment and qualifier 23	Type ²⁴	Length ²⁵	Links	Comments
#176	O	Frame base	MEA (S1120) with AAE, when CCI (S1100) with ABO and FRB	N	..5		Decimal value in diopters (format: S99V99). The base expresses the frame curvature. This data item is generally identical to data item #126 in the prescription lens order sub-line specifying the special lens base. $\text{Base} = \frac{\text{Mean index (1.525)} - 1}{\text{lens curve radius in m (plane mode)}}$  General values Extremes: 0 to 20

D # ²¹	M/O 22	Labels	Segment and qualifier 23	Type ²⁴	Length ²⁵	Links	Comments
#177	O	Temporal distance	MEA (S1120) with AAE, when CCI (S1100) with ABO and TG	N	..5		Temple aperture in millimeters (format 99V99).
#178	O	Frame pantoscopic angle	MEA (S1120) with AAE, when CCI (S1100) with ABO and PA	N	..3		Decimal value in degrees (format: S99V99). The pantoscopic angle is also called the pantoscopic tilt.  Pantoscopic angle In this example, the angle is positive. Pantoscopic angles may be negative. The pantoscopic angle is specified in the frame catalog under data item #519. General values Extremes: -45 to 45 (positive values generally expected) Mean value: 6

D # ²¹	M/O ²²	Labels	Segment and qualifier ²³	Type ²⁴	Length ²⁵	Links	Comments
#287	O	Tracer shape error correction	MEA (S1120) with AAE, when CCI (S1100) with ABO and CSR	N	..4	#287	Decimal value in millimeters (format 99V99). The correction is expressed on the diameter.
#186	O	Base tariff list	PRI (S1190) with AAB	N	..15		Format 9(13)V99).
#187	O	Net sales price ex. VAT	PRI (S1190) with AAA	N	..15		Format 9(13)V99).
#188	O	Extra charges/Inclusions	LIN (S0940) with 1 and 90	AN	1		"A" = the price is added to the configuration price "I" = the price is included in the configuration price

D # ²¹	M/O 22	Labels	Segment and qualifier 23	Type ²⁴	Length ²⁵	Links	Comments
#393	O	Catalog name	RFF (S1250) with CAT (1154)	AN	..14		Refers to frame catalog data item #316 (PRICAT). This data must be recorded for each order line. Catalog data item #316 is sometimes modified by applications when reprocessing generated catalogs. The data required is the initial data.
#394	O	Catalog perimeter code	RFF (S1250) with CAT (1156)	AN	..35		Refers to data item #393. Data item used when the supplier issues several catalogs containing different product group definitions.
#395	O	Catalog version and release.	RFF (S1250) with CAT (4000)	AN	..35		Format: Version. Release. Version: Refers to frame catalog data item #5 (PRICAT) This data must be recorded for each order line. Catalog data item #5 is sometimes modified by applications when reprocessing generated catalogs. The data required is the initial data. Release: Refers to catalog data item #315 (PRICAT) This data must be recorded for each order line. Catalog data item #315 is sometimes modified by applications when reprocessing generated catalogs. The data required is the initial data.

D # ²¹	M/O ²²	Labels	Segment and qualifier ²³	Type ²⁴	Length ²⁵	Links	Comments
#189	C	Frame manufacturer identification	NAD (S1490) with AAA with MF	AN	..14	If data item #166 == 'MF'	
#258	C	Frame manufacturer identifier type	NAD: 167 NAD: 100 (S1480)	AN	..3		"167" = EU VAT number. "100" = code allocated to the supplier by the sales outlet management application. "YZX" = national business identification code (SIRET). In France only.
#227	C	Manufacturer's name	NAD (S1480) with MF	AN	..35	If data item #258 = 100	Only in the case described above.
#190	O	Text to be engraved	HAN (S1890), when EQD (S1880) with ET	AN	..50		
#191	C	Temple to be engraved	HAN (S1890), when EQD (S1880) with ET	AN	1	Data item #190	"1" = right temple "2" = left temple.

3.6 Summary line overview

Optional recording when prices are not managed.

D # ²⁶	M/O ²⁷	Labels	Segment and qualifier ²⁸	Type ²⁹	Length ³⁰	Links	Links
192	O	Record Id		AN	3		Recap identification = "R20". Please note that this item is not included in the EDIFACT file.
193	O	Net total ex. VAT	MOA (S2100) with 116	N	..18		Format 9(16)V99).
194	O	Total quantities	CNT (S2100) with 23	N	..14		Total quantities for order lines for each eye.

²⁶"D" = data item.

²⁷"M" = mandatory, "O" = optional

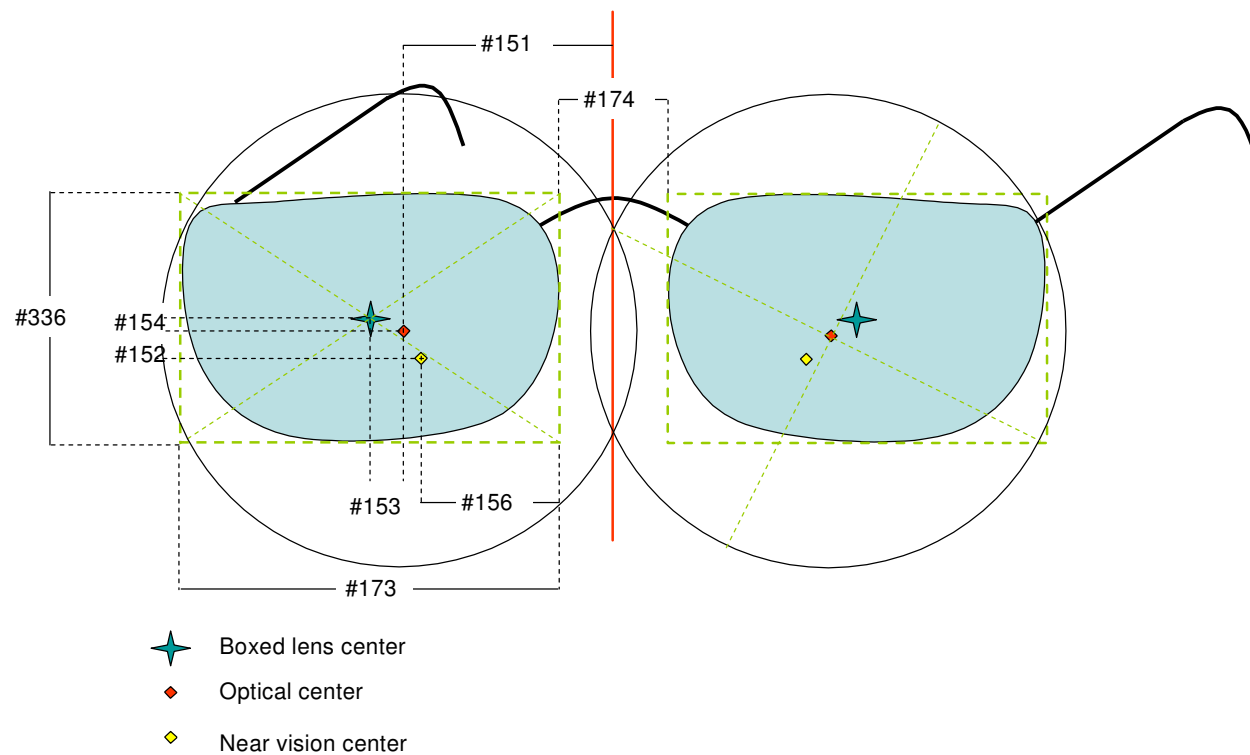
²⁸":" = qualifier data, "with" = qualifier segment. Please note that the EDIFACT segment reference (see segment table) is indicated in brackets (Sxxxx).

²⁹"AN" = alphanumeric, "N" = numerical

³⁰"n" = fixed length, ..n = up to n characters

3.7 Correction data details

The following diagram illustrates the meaning of some of the correction values used.



Data item	Label ISO 8624 (see section 3.2 for exact references.	Comments
#151	Half pupillary distance (1/2 PD) (in boxed lens (boxing) system)	Horizontal distance between the optical center (distance vision) and the middle of the frame.
#152	"H" measurement (in boxed lens (boxing) system)	Distance from the frame base to • optical center (single vision), • fitting cross (progressive lenses), • segment top (bi or tri-focals)
#153	Horizontal inset (delta X)	Horizontal distance from the optical center to the boxed lens Center (<0 nasal decentering, >0 temporal decentering).
#154	Vertical inset (delta Y)	Vertical distance from the optical center to the boxed lens Center (<0 top decentering, >0 bottom decentering).
#156	Near vision half pupillary distance (1/2 PD) (in boxed lens (boxing) system)	Horizontal distance from the near vision center to the middle of the frame.
#173	Horizontal boxed lens size ("A" measurement)	Distance between the vertical sides of the rectangular box which circumscribes the lens shape ^{a,b} .
#174	Distance between lenses ("D" measurement)	Horizontal distance between the internal vertical sides of the rectangular "boxes" containing the right and left lens shapes ^c .
#336	Vertical boxed lens size ("B" measurement)	Distance between the horizontal sides of the rectangular box which circumscribes the lens shape ^{a,b} .

- ^a In these definitions, the term *lens shape* refers to a hypothetical pair of spectacle lenses measured as follows:
- for a spectacle lens having a bevelled edge, the outermost edge of the spectacle lens, the lens having a bevel which includes a symmetrical angle of 120° and a bevel width greater than the width of the groove in the front;
 - for a spectacle lens having a flat or grooved edge, the outermost edge of the spectacle lens.

For spectacle frames having a significant face form angle, the horizontal boxed lens size shall be measured in the "plane" of the individual lens shape.

4 Message definition

4.1 Understanding ORDERS messages

ORDERS messages are built on a complex structure, based on the UN/EDIFACT standard.

4.1.1 Introducing the UN/EDIFACT format

Like any UN/EDIFACT message, the PRICAT message is made up of data elements, composites, segments and segment groups.

The basic data item is the data element. Data elements consist of sets of numbers (numerical fields) or groups of characters (alphanumeric fields). Their size may be fixed or variable. Data elements are grouped together in coherent sets called "composites". The separator for data elements within a same composite is ":". The separator between composites is "+".

Each UN/EDIFACT message is made up of segments. A segment consists of a set of separate data elements. Each segment is identified by a segment name. The segment name serves as the segment header and identifies its meaning. Thus, a "DTM" segment indicates a date. Under the UN/EDIFACT standard, a date does not simply contain information relating to the "date". The "DTM" segment contains a code indicating what the date refers to (preparation date, delivery date, etc.), the calendar date proper and a date format code (for instance: DDMMYY or YYMMDD).

Example of a "DTM" segment: DTM+242:0402141204:203'

This should be read as follows:

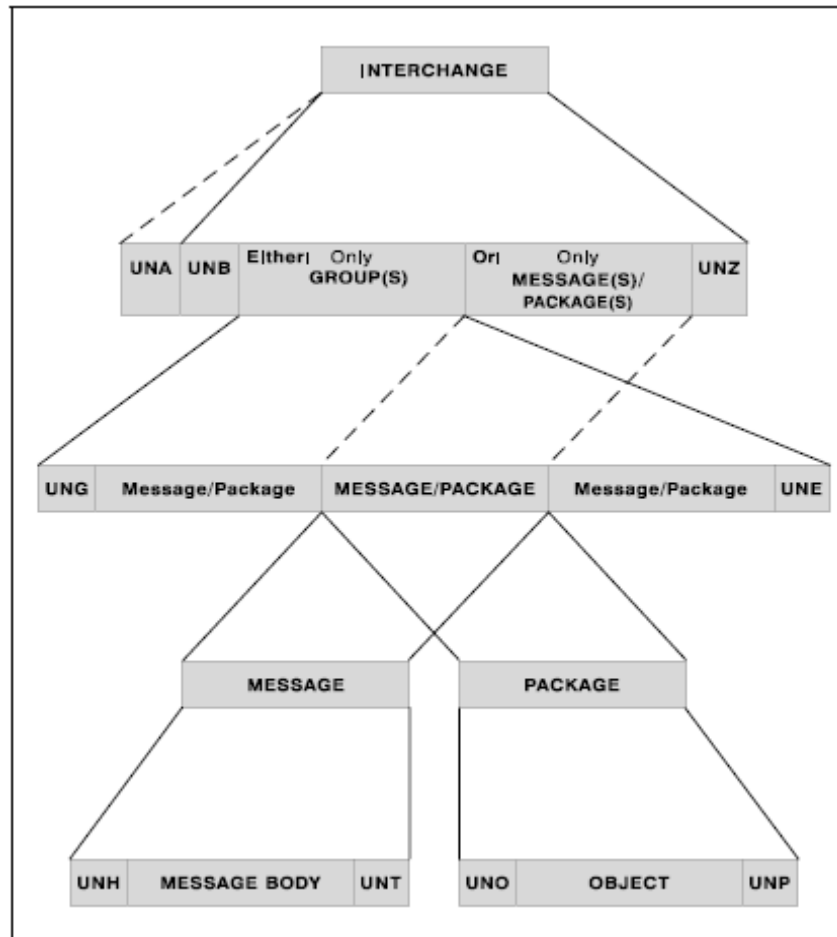
Message written on February 14th 2004 at 12.04 hours.

The order of the information in the segment is significant. Information cannot be changed around at will.

Each message is a structured set of segments. Some segments may be repeated once or several times in succession. Some are mandatory, while others remain optional. Some segments may be grouped. A segment group may be repeated a set number of times. Segment groups may be mandatory or optional.

4.1.2 Data interchange structure

EDIFACT data interchange is structured as follows:



4.1.3 Organisation of an ORDERS message

An order consists of six data levels:

Header	ENT
Ophthalmic lens wearer-specific parameters (prescription and services)	"G00"
Correction parameter sub-line for each eye	"G10", "G11"
Edging/Fitting parameter sub-line for each eye	"G19", "G29"
Frame parameter and lens fitting data sub-line (with form data)	"G90"
Summary/order footer	"R20"

Please note:

- each order is identified by data item #4;
- each order may contain one or more references to client files (each order line identified by data item #57 contains a file reference in data item #67. Note that the file reference is for easier manual data interchange and processing with the optician);
- each order line contains 1 or 2 lines of details relating to each eye, identified by data item #74;
- each order line contains no more than 2 lines of details relating to lens edging/fitting (one for each eye) identified by data item #174;
- each order line contains no more than one frame line identified by data item #163.

Data in an EDIFACT file is sequential. For instance, an order file will contain the following:

#4 = 3456	Order number
#57 = 1	Order line number
#67 = Albert.234	file reference
#74 = 2	OD sub-line
#74 = 3	OS sub-line
#174 = 4	OD edging/fitting sub-line
#174 = 5	OS edging/fitting sub-line
#74 = 6	Frame sub-line
#57 = 7	Order line number
#67 = Toto.12	File reference
#74 = 8	OD sub-line
#174 = 9	OD edging/fitting sub-line

Some order editing applications may only process one order line for each order, but others may include several.

4.2 References

Messages are based on the following standards:

- "ORDERS" message specifications
http://www.unece.org/trade/untidd/d96a/trmd/orders_t.htm
- Country table codes: ISO 3166
<http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/list-fr1.html>
- Currency code table ISO 4217
http://en.wikipedia.org/wiki/ISO_4217
- Denominations for professions and socio-economic categories (French INSEE PCS code).
http://www.insee.fr/fr/nom_def_met/nomenclatures/prof_cat_soc/html/L03_N4.HTM
- Ophthalmic optics — Spectacle frames — Measuring system and terminology
ISO 8624

5 Message description

5.1 To be completed

5.2 Table of segments

The table of segments provided below is taken from the UN/EDIFACT standard for "ORDERS" type messages.

HEADER SECTION

10	UNH	Message header	M	1
20	BGM	Beginning of message	M	1
30	DTM	Date/time/period	M	35
40	PAI	Payment instructions	C	1
50	ALI	Additional information	C	5
60	IMD	Item description	C	1
70	FTX	Free text	C	99
80	*	Segment group 1	C	99
90	RFF	Reference	M	1
100	DTM	Date/time/period	C	5
110		Segment group 2	C	99
120	NAD	Name and address	M	1
130	LOC	Place/location identification	C	25
140	FII	Financial institution information	C	5
150		Segment group 3	C	10
160	RFF	Reference	M	1
170	DTM	Date/time/period	C	5
180		Segment group 4	C	5
190	DOC	Document/message details	M	1
200	DTM	Date/time/period	C	5
210		Segment group 5	C	5
220	CTA	Contact information	M	1
230	COM	Communication contact	C	5
240		Segment group 6	C	5
250	TAX	Duty/tax/fee details	M	1
260	MOA	Monetary amount	C	1
270	LOC	Place/location identification	C	5
280		Segment group 7	C	5
290	CUX	Currencies	M	1
300	PCD	Percentage details	C	5
310	DTM	Date/time/period	C	5
320		Segment group 8	C	10
330	PAT	Payment terms basis	M	1
340	DTM	Date/time/period	C	5
350	PCD	Percentage details	C	1
360	MOA	Monetary amount	C	1
370		Segment group 9	C	10
380	TDT	Details of transport	M	1
390		Segment group 10	C	10
400	LOC	Place/location identification	M	1
410	DTM	Date/time/period	C	5
420		Segment group 11	C	5
430	TOD	Terms of delivery or transport	M	1
440	LOC	Place/location identification	C	2
450		Segment group 12	C	10
460	PAC	Package	M	1

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470	MEA	Measurements	C	5	
480		—— Segment group 13	C	5	
490	PCI	Package identification	M	1	
500	RFF	Reference	C	1	
510	DTM	Date/time/period	C	5	
520	GIN	Goods identity number	C	10	
530		—— Segment group 14	C	10	
540	EQD	Equipment details	M	1	
550	HAN	Handling instructions	C	5	
560	MEA	Measurements	C	5	
570	FTX	Free text	C	5	
580		—— Segment group 15	C	10	
590	SCC	Scheduling conditions	M	1	
600	FTX	Free text	C	5	
610	RFF	Reference	C	5	
620		—— Segment group 16	C	10	
630	QTY	Quantity	M	1	
640	DTM	Date/time/period	C	5	
650		—— Segment group 17	C	25	
660	APR	Additional price information	M	1	
670	DTM	Date/time/period	C	5	
680	RNG	Range details	C	1	
690		—— Segment group 18	C	15	
700	ALC	Allowance or charge	M	1	
710	ALI	Additional information	C	5	
720	DTM	Date/time/period	C	5	
730		—— Segment group 19	C	1	
740	QTY	Quantity	M	1	
750	RNG	Range details	C	1	
760		—— Segment group 20	C	1	
770	PCD	Percentage details	M	1	
780	RNG	Range details	C	1	
790		—— Segment group 21	C	2	
800	MOA	Monetary amount	M	1	
810	RNG	Range details	C	1	
820		—— Segment group 22	C	1	
830	RTE	Rate details	M	1	
840	RNG	Range details	C	1	
850		—— Segment group 23	C	5	
860	TAX	Duty/tax/fee details	M	1	
870	MOA	Monetary amount	C	1	
880		—— Segment group 24	C	100	
890	RCS	Requirements and conditions	M	1	
900	RFF	Reference	C	5	
910	DTM	Date/time/period	C	5	
920	FTX	Free text	C	5	

DETAIL SECTION

930	*	—— Segment group 25	C	200000	
940	LIN	Line item	M	1	
950	PIA	Additional product id	C	25	
960	IMD	Item description	C	99	
970	* MEA	Measurements	C	99	
980	QTY	Quantity	C	10	
990	PCD	Percentage details	C	5	
1000	ALI	Additional information	C	5	
1010	DTM	Date/time/period	C	35	
1020	MOA	Monetary amount	C	10	
1030	GIN	Goods identity number	C	1000	

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1040	GIR	Related identification numbers	C	1000
1050	QVR	Quantity variances	C	1
1060	DOC	Document/message details	C	5
1070	PAI	Payment instructions	C	1
1080	FTX	Free text	C	99
1090		—— Segment group 26	C	999
1100	CCI	Characteristic/class id	M	1
1110	CAV	Characteristic value	C	10
1120	MEA	Measurements	C	10
1130		—— Segment group 27	C	10
1140	PAT	Payment terms basis	M	1
1150	DTM	Date/time/period	C	5
1160	PCD	Percentage details	C	1
1170	MOA	Monetary amount	C	1
1180		—— Segment group 28	C	25
1190	PRI	Price details	M	1
1200	CUX	Currencies	C	1
1210	APR	Additional price information	C	1
1220	RNG	Range details	C	1
1230	DTM	Date/time/period	C	5
1240	*	—— Segment group 29	C	999
1250	RFF	Reference	M	1
1260	DTM	Date/time/period	C	5
1270		—— Segment group 30	C	10
1280	PAC	Package	M	1
1290	MEA	Measurements	C	5
1300	QTY	Quantity	C	5
1310	DTM	Date/time/period	C	5
1320		—— Segment group 31	C	1
1330	RFF	Reference	M	1
1340	DTM	Date/time/period	C	5
1350		—— Segment group 32	C	5
1360	PCI	Package identification	M	1
1370	RFF	Reference	C	1
1380	DTM	Date/time/period	C	5
1390	GIN	Goods identity number	C	10
1400		—— Segment group 33	C	9999
1410	LOC	Place/location identification	M	1
1420	QTY	Quantity	C	1
1430	DTM	Date/time/period	C	5
1440		—— Segment group 34	C	10
1450	TAX	Duty/tax/fee details	M	1
1460	MOA	Monetary amount	C	1
1470	LOC	Place/location identification	C	5
1480		—— Segment group 35	C	99
1490	NAD	Name and address	M	1
1500	LOC	Place/location identification	C	5
1510		—— Segment group 36	C	5
1520	RFF	Reference	M	1
1530	DTM	Date/time/period	C	5
1540		—— Segment group 37	C	5
1550	DOC	Document/message details	M	1
1560	DTM	Date/time/period	C	5
1570		—— Segment group 38	C	5
1580	CTA	Contact information	M	1
1590	COM	Communication contact	C	5
1600		—— Segment group 39	C	99
1610	ALC	Allowance or charge	M	1

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1620	ALI	Additional information	C	5	
1630	DTM	Date/time/period	C	5	
1640		—— Segment group 40	C	1	
1650	QTY	Quantity	M	1	
1660	RNG	Range details	C	1	
1670		—— Segment group 41	C	1	
1680	PCD	Percentage details	M	1	
1690	RNG	Range details	C	1	
1700		—— Segment group 42	C	2	
1710	MOA	Monetary amount	M	1	
1720	RNG	Range details	C	1	
1730		—— Segment group 43	C	1	
1740	RTE	Rate details	M	1	
1750	RNG	Range details	C	1	
1760		—— Segment group 44	C	5	
1770	TAX	Duty/tax/fee details	M	1	
1780	MOA	Monetary amount	C	1	
1790		—— Segment group 45	C	10	
1800	TDT	Details of transport	M	1	
1810		—— Segment group 46	C	10	
1820	LOC	Place/location identification	M	1	
1830	DTM	Date/time/period	C	5	
1840		—— Segment group 47	C	5	
1850	TOD	Terms of delivery or transport	M	1	
1860	LOC	Place/location identification	C	2	
1870		—— Segment group 48	C	10	
1880	EQD	Equipment details	M	1	
1890	HAN	Handling instructions	C	5	
1900	MEA	Measurements	C	5	
1910	FTX	Free text	C	5	
1920		—— Segment group 49	C	100	
1930	SCC	Scheduling conditions	M	1	
1940	FTX	Free text	C	5	
1950	RFF	Reference	C	5	
1960		—— Segment group 50	C	10	
1970	QTY	Quantity	M	1	
1980	DTM	Date/time/period	C	5	
1990		—— Segment group 51	C	100	
2000	RCS	Requirements and conditions	M	1	
2010	RFF	Reference	C	5	
2020	DTM	Date/time/period	C	5	
2030	FTX	Free text	C	5	
2040		—— Segment group 52	C	10	
2050	STG	Stages	M	1	
2060		—— Segment group 53	C	3	
2070	QTY	Quantity	M	1	
2080	MOA	Monetary amount	C	1	

SUMMARY SECTION

2090	UNS	Section control	M	1	
2100	MOA	Monetary amount	C	12	
2110	CNT	Control total	C	10	
2120		—— Segment group 54	C	10	
2130	ALC	Allowance or charge	M	1	
2140	ALI	Additional information	C	1	
2150	MOA	Monetary amount	M	2	

6 Acknowledgements

The EDI-Optique Association wishes to thank all those who have helped to draft and edit this document.