



GUIDE FOR ELECTRONIC DATA INTERCHANGE

Version 5.b (April 2021)



- 1. Intention of this guide.....5
- 2. How to get started6
- 3. Communications 7
- 4. Messages.....8
- 5. Global Location Numbers (GLN) and Logistical Structure9
- 6. ORDERS document guide (Order) 16
 - 6.1. ORDERS D.96A 16
 - 6.1.1. Call-Off Order..... 16
 - 6.1.2. Consignment Order 17
 - 6.2. ORDERS Message Structure 18
 - 6.2.1. Header section..... 18
 - 6.2.2. Detail section..... 23
 - 6.2.3. Summary section 27
 - 6.3. Examples of an ORDERS message..... 28
 - 6.3.1. Ordinary order example..... 28
 - 6.3.2. Purchase order in consignment 30
- 7. ORDRSP document guide (Order Response Message)..... 31
 - 7.1. ORDRSP D.96A 31
 - 7.1.1. Modifications to Item Lines..... 32
 - 7.1.2. Sending terms for purchase order replies 32
 - 7.1.3. How to indicate differences in quantity 32
 - 7.1.4. How to indicate shipments with various dates of delivery 33

7.2.	ORDRSP Message Structure.....	34
7.2.1.	Header section.....	34
7.2.2.	Detail section.....	37
7.2.3.	Summary section	43
7.3.	Examples of an ORDRSP message.....	44
7.3.1.	ORDRSP to a purchase order accepted without amendments.....	44
7.3.2.	ORDRSP to a purchase order not accepted	44
7.3.3.	ORDRSP purchase order accepted with amendments	45
8.	DESADV document guide (Dispatch Advice Message)	46
8.1.	DESADV D.96A.....	46
8.2.	DESADV Message Structure.....	48
8.2.1.	Header section.....	48
8.2.2.	Package section	51
8.2.3.	Detail section.....	52
8.2.4.	Summary section	55
8.3.	Example of DESADV message.....	56
9.	RECADV (Receiving Advice Message).....	58
9.1.	RECADV D.96A.....	58
9.1.1.	Scenario without discrepancies.....	58
9.1.2.	Scenario with discrepancies.....	59
9.1.3.	Lot numbers.....	59
9.2.	RECADV Message Structure.....	60
9.2.1.	Header section.....	60

9.2.2.	Package section	63
9.2.3.	Detail section.....	64
9.2.4.	Summary section	68
9.3.	Example of RECADV message.....	69
9.3.1.	RECADV message, receipt and acceptance of sent message.....	69
9.3.2.	RECADV message, receipt with discrepancies.....	70
10.	Document versions	71

1. Intention of this guide

The objective of this guide is to provide companies with all the necessary information to efficiently interchange commercial documents through an EDI format with Logaritme Serveis Logístics, A.I.E.

So that the above-mentioned exchange proceeds efficiently, we consider it to be essential that all the implicated departments of your organization know the content of this user-guide, especially those departments involved in the area of informatics.

Current EDI users will find this guide useful for adapting their systems to the requirements of Logaritme, as much in regard to communications as to the structure of messages.

For new EDI users, this guide will provide information that will assist you with getting started.

For any inquiries in relation to the content of this guide and/or the start-up of the EDI project, please contact Logaritme Serveis Logístics, A.I.E. or our EDI provider, eDiversa.

LOGARITME SERVEIS LOGISTICS, A.I.E.'s contact information	eDiversa's contact information
For management inquiries e-mail: planificacio@logaritme.net	Phone: 931 833 790 e-mail: edi.logaritme@ediversa.com

2. How to get started

Current EDI users should share the content of this user-guide with their EDI services supplier to ensure that their systems are properly adapted to the requirements of Logaritme Serveis Logístics, A.I.E.

New users will have to provide us with certain information relevant to the EDI system. You can do this by completing the form in the following link:

<https://www.ediversa.com/en/projects-of-clients>

If your company still does not have an EDI system in place, please keep this information until you get started.

Please bear in mind that our sector uses the EDI system in accordance with the regulation and recommendations of GS1 (formerly, EAN International). The above-mentioned recommendations stipulate that EAN codes are the sole system-identifier of all products and their implicated parts during the interchange of documents via EDI. Companies that do not support EAN coding should contact AECOC (The Spanish Association of Commercial Codification, representative of Spain's GS1) to initiate its acquisition.

3. Communications

Logaritme Serveis Logístics, A.I.E. provides a GLN identifier for EDI and a mailbox within the eDiversa network.

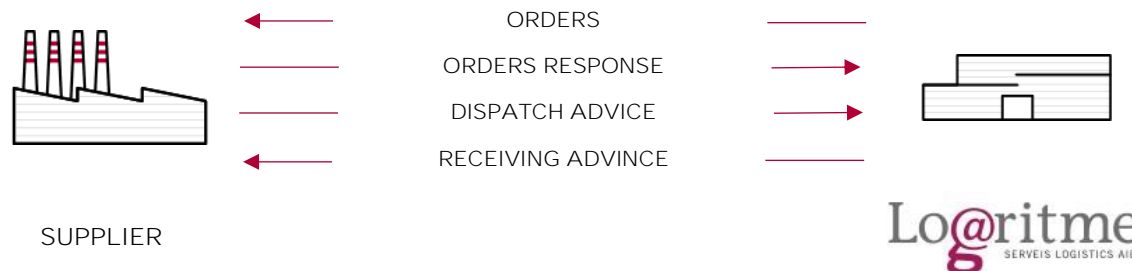
Company	GLN
LOGARITME SERVEIS LOGISTICS, A.I.E.	8431299900009

4. Messages

This user-guide has been designed to accompany the AECOC Health Sector User-Guide. It provides information that Logaritme will include in the messages sent (purchase order and receiving advice messages), as well as other information that Logaritme will take into consideration when reading messages received (purchase order response and dispatch advice messages). In regard to messages received, take note that any data not covered inside this guide will never provoke the rejection of any messages; nevertheless, such data will be ignored.

Logaritme Serveis Logístics, A.I.E. will interchange these document types:

Document type	Meaning	From	To
ORDERS D.96A UN EAN008	Orders	Logaritme	Supplier
ORDRSP D.96A UN EAN005	Orders Response	Supplier	Logaritme
DESADV D.96A UN EAN005	Dispatch Advice Message	Supplier	Logaritme
RECADV D.96A UN EAN003	Receiving Advice Message	Logaritme	Supplier



5. Global Location Numbers (GLN) and Logistical Structure

Company	Main GLN (mailbox)	EDI Network
LOGARITME SERVEIS LOGISTICS, A.I.E.	8431299900009	eDiversa

Centre	GLN	Address	City	Province	P.C.	NIF
Logaritme	8431299000006	c/ Molí d'en Guineu, 18-22 Polígon Industrial Molí del Racó	Sant Sadurní d'Anoia	Barcelona	008770	
Magatzem Sant Sadurní d'Anoia	8431299000020	c/ Molí d'en Guineu 18-22 Polígon Moli del Reco	Sant Sadurní d'Anoia	Barcelona	008770	
Magatzem APQ Logaritme (Coral Stocks)	8431299900115	c/ Garraf - Parcel·la 2, N°2A/2B Polígon Industrial Fondos de l'estació	La Granada del Penedès	Barcelona	008792	
Magatzem Arnau de Vilanova	8431299140009	Av. Alcalde Rovira Roure, 80	Lleida	Lleida	025198	
Magatzem Hospital Universitari Joan XXIII	8431299000013	Carrer del Doctor Mallafre Guash, 4	Tarragona	Tarragona	043007	
Magatzem Hospital Germans Trias i Pujol	8431299900740	Carretera de Canyet s/n	Badalona	Barcelona	008916	
Magatzem Hospital Universitari Doctor Josep Trueta	8431299900757	Carretera de França s/n	Girona	Girona	017007	
Magatzem Hospital Verge de la cinta	8431299900764	Carrer de les Esplanetes, 14	Tortosa	Tarragona	043500	

Centre	GLN	Address	City	Province	P.C.	NIF
Magatzem Hospital de Viladecans	8431299900771	Av. Gavà, 38	Viladecans	Barcelona	008840	
Magatzem Hospital de Bellvitge	8431299150008	c/ Feixa Llarga s/n	L'Hospitalet de Llobregat	Barcelona	008907	
Magatzem Hospital Vall d'Hebron (Bunker)	8431299100003	Passeig de la Vall d'Hebron s/n	Barcelona	Barcelona	008035	
Magatzem Hospital Vall d'Hebron (Manteniment)	8431299000037	Passeig de la Vall d'Hebron s/n Bloc Mat. Inf (-3)	Barcelona	Barcelona	008035	
ICS (Unitat de tramitació)	8431299600008	c/ Gran Via de les Corts Catalanes, 587-589	Barcelona	Barcelona	008007	Q5855029D
Hospital Universitari Vall d'Hebron	8431299900788	Passeig Vall d'Hebron, 119-129	Barcelona	Barcelona	008035	Q5855029D
Hospital Universitari Bellvitge	8431299900795	c/ Feixa Llarga, s/n	L'Hospitalet de Llobregat	Barcelona	008907	Q5855029D
Hospital Germans Trias i Pujol	8431299300007	Carretera de Canyet s/n	Badalona	Barcelona	008916	Q5855029D
Hospital Universitari Doctor Josep Trueta	8431299130000	Carretera de França s/n	Girona	Girona	017007	Q5855029D
Hospital Universitari Joan XXIII	8431299400004	c/ Dr. Mallafré Guasch, 4	Tarragona	Tarragona	043007	Q5855029D
Hospital Universitari Arnau de Vilanova	8431299200000	Av. Alcalde Rovira Roure, 80	Lleida	Lleida	025198	Q5855029D
Hospital Verge de la cinta	8431299000044	Carrer de les Esplanetes, 14	Tortosa	Tarragona	043500	Q5855029D
Hospital de Viladecans	8431299900559	Av. Gavà, 38	Viladecans	Barcelona	008840	Q5855029D

Centre	GLN	Address	City	Province	P.C.	NIF
AP50 Terres de l'Ebre	8431299900665	Av. Esplanetes, 14	Tortosa	Tarragona	043500	Q5855029D
AP51 Barcelona Ciutat	8431299900672	c/ Balmes, 22 3ª Planta	Barcelona	Barcelona	008007	Q5855029D
AP52 Metropolitana Nord	8431299900535	Carretera. De Can Ruti, s/n	Badalona	Barcelona	008916	Q5855029D
AP53 Catalunya Central	8431299900689	c/ Pica d'Estats, 13-15 Polígon Industrial Sant Isidre III	Sant Fruitós de Bages	Barcelona	008272	Q5855029D
AP54 Girona	8431299900696	Av. França, s/n	Girona	Girona	017007	Q5855029D
AP55 Camp de Tarragona	8431299900702	Carrer del Doctor Mallafre Guash, 4	Tarragona	Tarragona	043007	Q5855029D
AP56 Lleida	8431299900719	Rbla. de Ferran, 44	Lleida	Lleida	025007	Q5855029D
AP57 Metropolitana Sud	8431299900726	Carretera de la Feixa Llarga, s/n	L'Hospitalet de Llobregat	Barcelona	008907	Q5855029D
AP58 Alt Pirineu i Aran	8431299900733	c/ Sant Jordi, 13	Tremp	Lleida	025620	Q5855029D
Banc de Sang i Teixits	8431299500001	Passeig Taulat, 116 Edifici Dr. Frederic Duran i Jordà	Barcelona	Barcelona	008005	Q5856387E
Can Bou CASAP	8431299800002	Av. Màlaga, 18-20	Castelldefels	Barcelona	008860	Q0801353D
Hospital de Cerdanya Agrupació Europea de Cooperació Territorial	8431299900092	Camí d'Ur, 31	Puigcerdà	Girona	017520	V55096580
Institut de Diagnòstic per la Imatge	8431299900108	c/ Esteve Terradas, 30 Edifici Mestral 2ª planta	Barcelona	Barcelona	008023	Q5856249G
IDI HVH General Plta -1	8431299900122	Av. Vall d'Hebron, 119-129 Hospital General	Barcelona	Barcelona	008035	
IDI Metro Nord HUGTiP Planta -1	8431299900139	Carretera de Canyet, s/n	Badalona	Barcelona	008916	

Centre	GLN	Address	City	Province	P.C.	NIF
IDI Metro Sud HUB Planta -1	8431299900146	Av. Feixa Llarga, s/n	Hospitalet de Llobregat	Barcelona	008907	
IDI Tarragona HJ23 Planta -1	8431299900153	c/ Doctor Mallafré i Guasch, 4	Tarragona	Tarragona	043005	
IDI Lleida HAV Planta -1	8431299900160	Av. Alcalde Roura, 80	Lleida	Lleida	025198	
IDI Girona HUJT Planta -1	8431299900177	Av. França, s/n	Girona	Girona	017007	
IDI HVH Trauma TC (SS) HRT.	8431299900184	Av. Vall d'Hebron 119-129	Barcelona	Barcelona	008035	
IDI HVH General ANGIO HG PB	8431299900191	Av. Vall d'Hebron 119-129	Barcelona	Barcelona	008035	
IDI HVH General PET HG. -1	8431299900207	Av. Vall d'Hebron 119-129	Barcelona	Barcelona	008035	
IDI HVH General RM (-1) H.G.	8431299900214	Institut de Diagnòstic per la Imatge	Barcelona	Barcelona	008035	
IDI HVH General TC H.G. PB.	8431299900221	Av. Vall d'Hebron 119-129	Barcelona	Barcelona	008035	
IDI TAC Urgències AG Planta 1	8431299900238	Av. Vall d'Hebron 119-129	Barcelona	Barcelona	008035	
IDI Angio (PB) H.G.	8431299900245	Av. Vall d'Hebron 119-129	Barcelona	Barcelona	008035	
IDI Lleida HAV MN (SS) ED.NOU	8431299900252	Av. Alcalde Rovira Roure, 80	Lleida	Lleida	025198	
IDI Lleida HAV RM (SS) ED.NOU	8431299900269	Av. Alcalde Rovira Roure, 80	Lleida	Lleida	025198	
IDI Tarragona HJ23 MN Soterrani.	8431299900276	c/ Doctor Mallafré i Guasch, 4	Tarragona	Tarragona	043007	

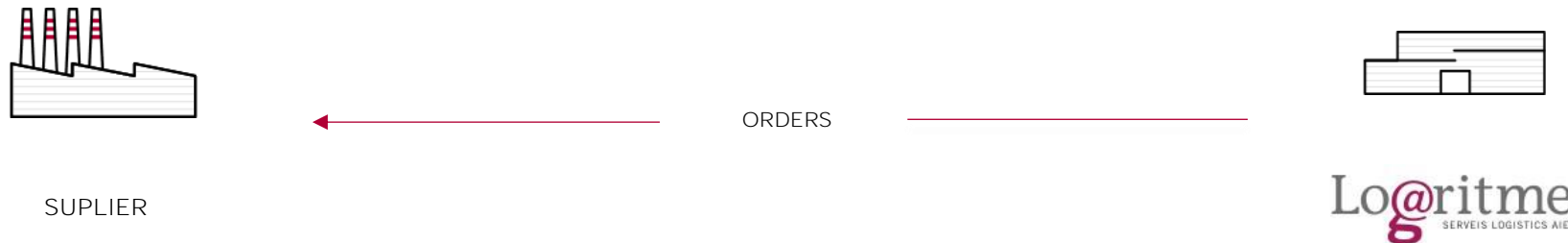
Centre	GLN	Address	City	Province	P.C.	NIF
IDI Tarragona HJ23 RM PB (neteja)	8431299900283	c/ Doctor Mallafré i Guasch, 4	Tarragona	Tarragona	043007	
IDI Tarragona HJ23 TC PB	8431299900290	c/ Doctor Mallafré i Guasch, 4	Tarragona	Tarragona	043007	
IDI Tarragona HJ23 RX PB 1ª Planta	8431299900306	c/ Doctor Mallafré i Guasch, 4	Tarragona	Tarragona	043007	
IDI Tarragona HJ23 RX PB	8431299900313	c/ Doctor Mallafré i Guasch, 4	Tarragona	Tarragona	043007	
IDI Tarragona HJ23 Edifici D RX Pl. B.	8431299900320	c/ Doctor Mallafré i Guasch, 4	Tarragona	Tarragona	043007	
IDI HVH MI RM Planta -2	8431299900337	Av. Vall d'Hebron 119-129	Barcelona	Barcelona	008035	
IDI Metro Nord HUGTiP RM Planta 0	8431299900344	Carretera de Canyet, s/n	Badalona	Barcelona	008916	
IDI Metro Sud HUB RM Planta 0	8431299900351	Av. Feixa Llarga, s/n	Hospitalet del Llobregat	Barcelona	008907	
IDI MetroSud HUB MN Planta -1	8431299900368	Av. Feixa Llarga, s/n	Hospitalet del Llobregat	Barcelona	008907	
IDI Metro Sud HDiR TC, Planta 2	8431299900375	Av. Gran via de l'Hospitalet, 199-203	Hospitalet del Llobregat	Barcelona	008908	
IDI Tarragona HJ23 RM, Planta 0	8431299900382	c/ Doctor Mallafré i Guasch, 4	Tarragona	Tarragona	043005	
IDI Tarragona CAP Torreforta RX Planta 0	8431299900399	C/Gomera,10	Tarragona	Tarragona	043006	
IDI Tarragona CAP Reus RX, Planta 0	8431299900405	Cami de Riudoms,53-55	Reus	Tarragona	043202	

Centre	GLN	Address	City	Province	P.C.	NIF
IDI Tarragona CAP Salou RX, Planta O	8431299900412	C/ del carrilet,12	Salou	Tarragona	043840	
IDI Tarragona CP RX, Planta O	8431299900429	Travessia Comella Moro, 15	El Catllar	Tarragona	043764	
IDI T. Ebre HVC RM, Planta O	8431299900436	C/ Esplanetes, 44-58	Tortosa	Tarragona	043500	
IDI T. Ebre HVC TC, Planta O	8431299900443	C/ Esplanetes, 44-58	Tortosa	Tarragona	043500	
IDI T. Ebre HVC RX, Planta O	8431299900450	C/ Esplanetes, 44-58	Tortosa	Tarragona	043500	
IDI T. Ebre CAP Baix Ebre MN, Planta O	8431299900467	Avinguda de Cristòfol Colom, 16-20	Tortosa	Tarragona	043500	
IDI Girona HUJT RM, Planta -1	8431299900474	Avinguda de França, s/n	Girona	Girona	017007	
IDI Girona HUJT MN, Planta -1	8431299900481	Avinguda de França, s/n	Girona	Girona	017007	
IDI Girona HUJT ANGIO, Planta O	8431299900498	Avinguda de França, s/n	Girona	Girona	017007	
IDI Girona HUJT RX, Planta O	8431299900504	Avinguda de França, s/n	Girona	Girona	017007	
IDI Girona CAP Güell RX, Planta O	8431299900511	c/ Mossèn Joan Pons, 6	Girona	Girona	017001	
IDI Girona, Servei de radiologia Planta Baixa.	8431299900528	Parc Hospitalari Martí i Julià c/ Doctor Castany, s/n	Girona	Girona	017190	
IDI Barcelona Manso RM	8431299900801	c/ Manso, 35-19 (PL.-1)	Barcelona	Barcelona	08015	

Centre	GLN	Address	City	Province	P.C.	NIF
IDI Barcelona Manso TC	8431299900818	c/ Manso, 35-19 (PL.-1)	Barcelona	Barcelona	08015	
IDI Girona HUJT PET PI. SS SECTOR B	8431299900825	Avinguda de França, s/n	Girona	Girona	17007	
Parc Sanitari Pere Virgili	8431299110002	c/ Esteve Terradas, 30	Barcelona	Barcelona	008023	Q5855029D
Agència de Salut Pública de Catalunya	8431299900542	Edifici Salvany - Roc Boronat, 81-95	Barcelona	Barcelona	008005	
Agència de Salut Pública de Barcelona	8431299900641	Roc Boronat, 81-95	Barcelona	Barcelona	008005	
CDR Costa Ponent	8431299900566	c/ Gran Via, 201 Magatzem general Hospital. Durant i Reynals)	L'Hospitalet de Llobregat	Barcelona	008907	
CDR Tarragona	8431299900658	c/ Dr. Mallafré i Guasch 4, Edifici D Planta 6, P1	Tarragona	Tarragona	043007	
CDR Barcelonès Nord i Maresme	8431299900573	Camí del Mig, 35	Mataró	Barcelona	008303	
CDR Granollers	8431299900580	c/ Can Parera, 7	Montornès del Vallès	Barcelona	008170	
CDR Catalunya Central	8431299900597	c/ Pica d'Estats 13-15 Polígon Sant Isidre III	Sant Fruitós de Bages	Barcelona	008272	
CDR Sabadell	8431299900603	Carretera Barcelona 473	Sabadell	Barcelona	008204	
CDR Consorci Terrassa	8431299900610	Carretera Torrebonica s/n Edifici d'Atenció Primària	Terrassa	Barcelona	008227	
CDR Mútua Terrassa	8431299900627	Rbla Egara, 386	Terrassa	Barcelona	008221	
CDR Cerdanyola	8431299900634	Carretera Nacional 150 cantonada c/Tarragona	Ripollet	Barcelona	008291	

6. ORDERS document guide (Order)

6.1. ORDERS D.96A



Scenario for purchase order messages

The message ORDERS gives details about the goods or services ordered in accordance to previous agreements between Logaritme and the supplier. It also specifies quantities, dates, recipient destination points, prices, and total monetary costs. A purchase order is issued for every delivery destination point.

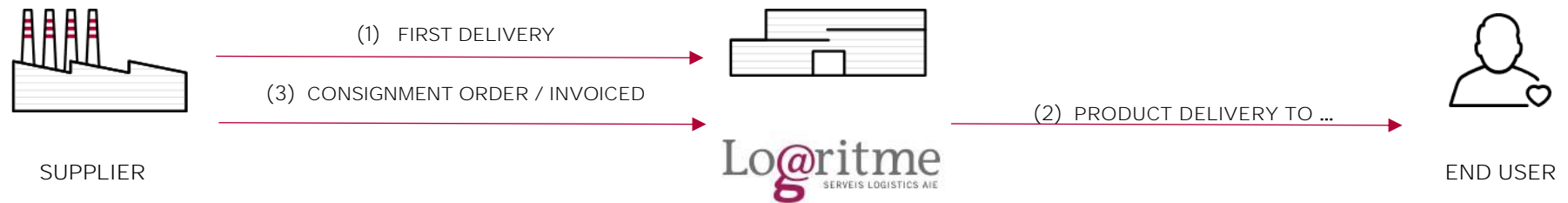
Logaritme uses EANCOM's purchase orders to indicate services or a specific criterion which applies to each order. Every order function has a corresponding code. Out of all the scenarios covered within the AECOC Health Sector user-guide, Logaritme will use only those listed below:

- ▶ Call-Off Order (cancels a blanket order, from BGM segment DE 1001 with code 226).
- ▶ Consignment Order (from BGM segment DE 1001 with code 227).

6.1.1. Call-Off Order

A call-off order is sent by a buyer who has previously sent a blanket order (in this case it refers to the contract) to inform the supplier of the requirements to a specific delivery of goods and/or services - quantities, locations, and specified dates. In a call-off order, the buyer will include a reference number to a blanket order. A buyer is able to issue various call-off orders for each blanket-order that is sent. The purchase order message code 226 indicates that a call-off order message in relation to a previous blanket-order has been sent.

6.1.2. Consignment Order



Scenario for consignment order messages

Steps taken in the scenario described above:

- ▶ The supplier delivers the goods in consignment to the health establishment. These goods are delivered but are not invoiced.
- ▶ The health establishment that receives the goods in consignment delivers the goods to the final user.
- ▶ The health establishment issues a purchasing order using the BGM segment code 227 from element DE 1001 to indicate the type of consignment in transfer from ALI segment DE 4183; however, if the consignment order is “to invoice and replace,” the segment ALI is not used.

6.2. ORDERS Message Structure

6.2.1. Header section

Elements	Status	Description	Code Values	Examples
UNH - Message header				
0062	Mandatory	Message reference number (generated by sender)		12345
S009-0065	Mandatory	Message type Identifier	ORDERS	ORDERS
S009-0052	Mandatory	Message type version number	D	D
S009-0054	Mandatory	Message type release number	96A	96A
S009-0051	Mandatory	Controlling agency	UN	UN
S009-0057	Mandatory	Association assigned code	EAN008	EAN008
Segment required with all cases				
Example: UNH+12345+ORDERS:D:96A:UN:EAN008'				
BGM - Document number				
C002-1001	Mandatory	Document type	226 = Call-off order (call-off order cancels blanket order) 227 = Consignment order (prosthesis)	226
1004	Mandatory	Document/message number (generated by sender)		123
1225	Conditional	Document/message function	9 = Original	9
Segment required in all cases.				
Example: BGM+226+123+9'				

Elements	Status	Description	Code Values	Examples
DTM - Date				
C507-2005	Mandatory	Date qualifier	137 = Document date 64 = Delivery date/time, earliest 63 = Delivery date/time, latest	137
C507-2380	Mandatory	Date		20210301
C507-2379	Mandatory	Date format qualifier	102 = CCYYMMDD 203 = CCYYMMDDHHMM	102
This segment is repeated three times, to date the order and inform the scheduled delivery time (init/final time).				
Example: DTM+137:20210301:102'				
ALI - Additional information				
4183	Mandatory	Special Conditions, codified	81E = Invoiced (but not replenished) 82E = Replenished (but not invoiced) 83E = Deliver full order	81E
Segment used for orders in consignment (prosthesis). In case of "invoice with replacement" do not use this segment.				
Example: ALI+++81E'				

Elements	Status	Description	Code Values	Examples
FTX – Free text				
4451	Mandatory	Text subject qualifier	AAI = General information	AAI
C108-4440	Mandatory	Literal free text		
Segment is sometimes used to indicate remarks in free text regarding purchase orders.				
Example: FTX+AAI+++free text on the order'				
RFF – Reference to other messages				
C506-1153	Mandatory	Reference qualifier	BO = Blanket order number DQ = Delivery note number (for cases of consignment)	BO
C506-1154	Mandatory	Reference number		567
Segment is always identified with the blanket order number (contract). In cases of consignment, another RFF segment is used along with a delivery note number.				
Example: RFF+BO:567'				

Elements	Status	Description	Code Values	Examples
NAD - Parties involved in purchase order				
3035	Mandatory	Party qualifier	MS = Message issuer/sender MR = Message recipient BY = Buyer (requester) SU = Supplier (requestee) IV = Invoicee (invoice recipient) DP = Delivery party (point/store products are delivered to)	BY
C082-3039	Mandatory	Party identification (GLN, Global Location Number), in format EAN-13.		8431299600008
C082-3055	Location Number), in format EAN-13.		9 = EAN	9
C080-3036	Mandatory	Code list responsible agency, coded		ICS
C059-3042	Conditional	Party name		Pg Vall d'Hebron 119-129 (Esc. Infermeria)
3164	Conditional	Party address		Barcelona
3251	Conditional	City name		08035
Logaritme's purchase orders will contain the following data: MS, MR, US, BY, IV and DP. In addition to this it, will include: GLN, name, address, postal code, and the city/town identifiers.				
Example: NAD+BY+8431299600008::9++ICS(Unitat de tramitacio)+Pg Vall d'Hebron 119-129 (Esc.infe:rmeria)+Barcelona++08035'				

Elements	Status	Description	Code Values	Examples
RFF - References related to the parties				
C506-1153	Mandatory	Reference qualifier	VA = Tax identification number (NIF)	VA
C506-1154	Mandatory	Reference number		Q5855029D
Logaritme will indicate the NIF in all parts indicated in the previous segment, except for the party UC (Patient).				
Example: RFF+VA:Q5855029D'				

6.2.2. Detail section

Elements	Status	Description	Code Values	Examples
LIN – Line-item header				
1082	Mandatory	Line-Item number		1
C212-7140	Mandatory	GTIN (EAN) item number		8400862141404
C212-7143	Mandatory	Item number type, coded	EN = EAN	EN
The line-item header segment is mandatory. Items are identified with their GTIN (Global Trade Identification Number), in EAN format.				
Example: LIN+1++8400862141404:EN'				
PIA – Additional product Id.				
4347	Mandatory	Product Id. function qualifier	1 = Additional Identification	1
C212-7140	Mandatory	Item number		A45U25
C212-7143	Mandatory	Item number type, coded	SA = Supplier's article number IN = Buyer's item number Logaritme SN = Serial number UA = Ultimate customer's article number ICS	SA
Logaritme will always send the supplier's article number and the buyer's item number within its purchase orders. The serial number is sent when needed.				
Example: PIA+1+ A45U25:SA'				

Elements	Status	Description	Code Values	Examples
IMD – Item description				
7077	Mandatory	Item description type, coded	F = Free form	F
C273-7008	Mandatory	Item description in free text		SYRINGES
Segment is used to provide a description of the items, using free text. Logaritme always sends this information.				
Example: IMD+F+::: SYRINGES'				
QTY – Quantities				
C186-6063	Mandatory	Quantity qualifier	21 = Ordered quantity 59 = Number of consumer units in traded unit	21
C186-6060	Mandatory	Quantity (according to previous qualifier)		15
A segment of this type will always be sent along with the quantity requested; optionally, another segment with the number of consumer units in traded unit.				
Example: QTY+21:15'				

Elements	Status	Description	Code Values	Examples
DTM – Date of delivery				
C507-2005	Mandatory	Date qualifier	2 = Delivery date requested 49E = Minimum shelf life remaining at time of receipt (days)	2
C507-2380	Mandatory	Date		20210301
C507-2379	Mandatory	Date format qualifier	102 = CCYYMMDD (qualifier 2) 804 = Days (qualifier 49E)	102
A segment specifying the date, and when relevant, the time or period of an activity identified by the date/time/period.				
Example: DTM+2:20210301:102'				
MOA – Line-item monetary amount				
C516-5025	Mandatory	Monetary amount type qualifier	203 = Line net amount, without taxes 388 = Line-item amount (taxes included)	388
C516-5004	Mandatory	Monetary amount (according to previous qualifier)		765.77
Logaritme will always send the total monetary amount for every item line, including taxes.				
Example: MOA+388:765.77'				

Elements	Status	Description	Code Values	Examples
PRI – Unitary prices				
C509-5125	Mandatory	Price qualifier	AAA = Net unit price, without tax.	AAA
C509-5118	Mandatory	Price (per unit according to previous qualifier)		73
This segment is sent to indicate the net unit price (tax included).				
Example: PRI+AAA:73'				
TAX – Tax information				
5283	Mandatory	Tax qualifier	7 = Tax	7
C241-5153	Mandatory	Type of tax	VAT = Value added tax	VAT
C243-5278	Mandatory	Tax rate, percentage.		21
This segment will be sent to indicate the tax information that applies to the item.				
Example: TAX+7+VAT+++:::21'				
MOA – Tax amount				
C516-5025	Mandatory	Monetary amount type qualifier	124 = Tax amount	124
C516-5004	Mandatory	Tax amount		15.33
This segment is used to indicate the monetary amounts related to the tax specified in the previous TAX segment.				
Example: MOA+124:15.33'				
NAD – Patient identification				
3035	Mandatory	Party qualifier	UC = Ultimate Consignee (patient's code)	UC
C082 – 3039	Mandatory	Party identification Patient's case history		8456789425107
This segment is conditional. It is used to indicate the patient's reference code (to pull up case history or health insurance card info.); the recipient of the goods described in LIN segment.				
Example: NAD+UC+8456789425107'				

6.2.3. Summary section

Elements	Status	Description	Code Values	Examples
UNS – Section Control of line items and summary				
0081	Mandatory	Section identification	S = Detail/Summary section separation	S
Segment is mandatory. It indicates the end to the ‘Details Section’ and the start of the ‘Summary Section’				
Example: UNS+S’				
MOA – Total monetary amount for purchase order				
C516-5025	Mandatory	Monetary amount type qualifier	79 = Net total	79
C516-5004	Mandatory	Monetary amount		145.87
This segment is always sent to indicate the purchase order’s total payment amount.				
Example: MOA+79:145.87’				
UNT – End of the message				
0074	Mandatory	Number of segments in the message		72
0062	Mandatory	Message reference number assigned by sender		12345
This segment is mandatory. It indicates the end of the message.				
Example: UNT+72+12345’				

6.3. Examples of an ORDERS message

6.3.1. Ordinary order example

```
UNH+ICS291+ORDERS:D:96A:UN:EAN008'  
BGM+226+5555+9'  
DTM+137:20210301:102'  
FTX+AAI+++free text on the order'  
RFF+BO:BO111222'  
NAD+MS+8431299900009::9++Logaritme+C/Moli d?'enGuineu 18-22+Sant Sadurni d?'Anoia++08770'  
NAD+MR+8400000000000::9++SUPPLIER COMPANY,S.A+Domicilio+Poblacion++08022'  
RFF+VA:A12345678'  
NAD+SU+8400000000000::9++SUPPLIER COMPANY,S.A+Domicilio+Poblacion++08022'  
RFF+VA:A12345678'  
NAD+BY+8431299600008::9++ICS(Unitat de tramitació)+Pg Vall d?'Hebron 119-129 (Esc. infe:rmeria+Barcelona++08035'  
RFF+VA:Q5855029D'  
NAD+IV+8431299600008::9++ICS(Unitat de tramitació)+Pg Vall d?'Hebron 119-129 (Esc. infe:rmeria+Barcelona++08035'  
RFF+VA:Q5855029D'  
NAD+DP+8431299000020::9++Mag. Sant Sadurni d?'Anoia+C/Moli d?'enGuineu 18-22+Sant Sadurni d?'Anoia++08770'  
LIN+1+++9999999999999:EN'  
PIA+1+111111:SA'  
PIA+1+222222:IN'  
IMD+F+++::: ITEM DESCRIPTION IN FREE TEXT'  
QTY+21:10'  
QTY+59:1'  
DTM+2:20210304:102'  
DTM+49E:365:804'  
MOA+388:24.2'  
MOA+203:20'  
PRI+AAA:2'  
TAX+7+VAT++++:::21'  
MOA+124:4.2'  
LIN+2+++8888888888888:EN'  
PIA+1+3333333:SA'  
PIA+1+4444444:IN'  
IMD+F+++:::ITEM DESCRIPTION IN FREE TEXT'  
QTY+21:20'
```

QTY+59:5'
DTM+2:20210304:102'
MOA+388:121'
MOA+203:100'
PRI+AAA:5'
TAX+7+VAT++++:21'
MOA+124:21'
UNS+S'
MOA+79:120'
UNT+38+ICS291'

6.3.2. Purchase order in consignment

UNH+ICS291+ORDERS:D:96A:UN:EAN008'
BGM+227+5555+9'
DTM+137:20210301:102'
ALI+++81E'
FTX+AAI+++free text on the order'
RFF+BO:BO111222333'
RFF+DQ:DQ111222333'
NAD+MS+84312999000009::9++Logaritme+C/Moli d?'enGuineu 18-22+Sant Sadurni d?'Anoia++08770'
NAD+MR+84000000000000::9++SUPPLIER COMPANY,S.A+Domicilio+Poblacion++08022'
RFF+VA:A12345678'
NAD+SU+84000000000000::9++SUPPLIER COMPANY,S.A+Domicilio+Poblacion++08022'
RFF+VA:A12345678'
NAD+BY+84312996000008::9++ICS (Unitat de tramitació)+PgVall d?'Hebron 119-129 (Esc. enfe:rmeria+Barcelona++08035'
RFF+VA:Q5855029D
NAD+IV+84312996000008::9++ICS (Unitat de tramitació)+PgVall d?'Hebron 119-129 (Esc. enfe:rmeria+Barcelona++08035'
RFF+VA:Q5855029D'
NAD+DP+84312990000020::9++Mag. Sant Sadurni d?'Anoia+C/Moli d?'enGuineu 18-22+Sant Sadurni d?'Anoia++08770'
LIN+1+++9999999999999:EN'
PIA+1+111111:SA'
PIA+1+222222:IN'
PIA+1+S1:SN'
IMD+F+++:::ITEM DESCRIPTION'
QTY+21:1'
QTY+59:1'
DTM+2:20210304:102'
MOA+388:1815'
MOA+203:1500'
PRI+AAA:1500'
TAX+7+VAT+++:::21'
MOA+124:815'
NAD+UC+123456789::9'
UNS+S'
MOA+79:1500'
UNT+32+ICS291'

7. ORDRSP document guide (Order Response Message)

7.1. ORDRSP D.96A

An ORDRSP message is sent by the supplier to Logaritme as a reply to a single ORDERS message.

Reply options:

- ▶ An acknowledgment of receipt and comprehension of data contained in the purchase order message.
- ▶ A confirmation that the purchase order has been accepted.
- ▶ Any suggested modification to the purchase order.
- ▶ A notice of rejection to the whole purchase order or a part of the purchase order.

As a guide, the following principles should be established to avoid ambiguity in the application of current EDI purchase order response messages:

- A purchase order response message indicates that the supplier has received a purchase order; it also indicates whether the supplier has accepted the purchase order entirely, partially, or not at all; when appropriate, it indicates necessary modifications to the 'purchase order', which are required to render the supplier capable of completing the order.
- The purchase order response message should refer back to the original purchase order.
- Enclosed within the same purchase order response message, it is possible to indicate an acknowledgement of receipt, confirmation (of acceptance or conditional acceptance), and proposed modifications by using the adequate qualifiers within the BGM and LIN segments.
- The only segments and data elements required within a purchase order response message are listed below:
 - ▶ Those marked as 'mandatory' in the table 'ORDRSP message structure'.
 - ▶ Those that modify previous instructions from the 'header section' and/or 'detail section,' such as adding clarifications or other conditions. If a line item is modified, it is mandatory to specify the GTIN code within LIN segment, and the supplier's and buyer's codes in PIA segment. The others are only mandatory if they are modified.
 - ▶ When a purchase order is either completely accepted or completely rejected, it is not necessary to indicate the item lines that appear in the previous purchase order. It is sufficient to send the header.

7.1.1. Modifications to Item Lines

Logaritme allows various amendments to data from item lines. Depending on the data being modified, it is necessary to wait for the following instruction from Logaritme:

- Case A: the order is sent anyway; Logaritme accepts the proposed amendments made by the supplier (indicate value “6” in the DE1229 of segment LIN). This case happens when the supplier modifies one of the following fields:
 - The quantity requested (only when less than the original).
 - The delivery date/time/period
 - The item line’s monetary amount (amendments to ordered quantity only – never to the unit price).
 - Number of consumer units in traded unit
- Case B: Shipment is cancelled and awaiting for instructions from Logaritme (in this case, indicate value “3” in the DE1229 LIN segment).

If the discrepancy is solved, another purchase order with the item in request may be received at a later date. This case will happen if any of the following fields are modified by the supplier:

- The EAN code
- The supplier’s item code/reference
- The price details

7.1.2. Sending terms for purchase order replies

Logaritme solicits one reply from the supplier for every order made to the supplier and requires it within a period of 48 hours. Nevertheless, in cases when errors are found in the first reply (mistakes or missing information for any or some item lines), a second reply that complements or amends the original reply can be sent. These replies should be sent within a reasonable time period so that Logaritme can adopt the necessary measurements (according to the information that is sent).

7.1.3. How to indicate differences in quantity

In order to indicate that the quantity shipped will be less than the quantity requested (it is not possible to indicate an increase in quantity) by a purchase order, follow these instructions:

- To indicate the final quantity to be shipped (not the original requested by Logaritme) use segment QTY’s element 6060 with qualifier 21

- To indicate the quantity that will not be delivered (using negative values) use segment QVR's element 6064 with qualifier 21.
- Optionally, to indicate the reason for the discrepancy use segment QVR's element 4221

If, hypothetically, there is a request for 10 units, but the final quantity to be shipped will be 8, it should be indicated in the following manner:

QTY+21:8'

QVR+-2:21'

7.1.4. How to indicate shipments with various dates of delivery

Occasionally, it is impossible to deliver the whole purchase order on the date solicited by the buyer but otherwise all the line items within a purchase-order would be accepted. In such cases, there needs to be as many line items as there are delivery dates (DTM). Each line item must indicate the quantity to be delivered and its corresponding date. If not all the line items requested are to be delivered, indicate the QVR segment corresponding to the difference in some of the line items.

If, hypothetically 10 units are requested but only 5 are delivered on the date solicited by the buyer (for example, 21/06/2010), 3 more one week later (28/06/2010), and 2 are not delivered at all; it should be indicated in the following manner (this example only uses the segments LIN, QTY, DTM and QVR):

LIN+1+6+8400862141404:EN'

QTY+21:5'

DTM+2:20200621:102'

LIN+1+6+8400862141404:EN'

DTM+2:20200628:102'

QVR+-2:21'

7.2. ORDRSP Message Structure

7.2.1. Header section

Elements	Status	Description	Code Values	Examples
UNH - Message header				
0062	Mandatory	Message reference number (generated by sender)		12345
S009-0065	Mandatory	Message type Identifier	ORDRSP	ORDRSP
S009-0052	Mandatory	Message type version number	D	D
S009-0054	Mandatory	Message type release number	96A	96A
S009-0051	Mandatory	Controlling agency	UN	UN
S009-0057	Mandatory	Association assigned code	EAN005	EAN005
Segment mandatory in all cases				
Example: UNH+12345+ORDRSP:D:96A:UN:EAN005'				
BGM - Document number				
C002-1001	Mandatory	Document/message number (generated by sender)	231 = Order Response	231
1004	Mandatory	Document/message function		123
1225	Mandatory	Message function	4 = Change 27 = Not accepted 29 = Accepted without amendment	4
<p>This segment is mandatory. The following code values, which apply to the message's field function are used in the following manner:</p> <ul style="list-style-type: none"> • 4 = Change: the supplier accepts (to provide the products/services) but proposes amendments to one or more items. • 27 = Not accepted: the supplier rejects the whole purchase order • 29 = Accepted without amendments: the supplier accepts (to provide products/services) the purchase order and all of its conditions 				
Example: BGM+231+123+4'				

Elements	Status	Description	Code Values	Examples
DTM - Date				
C507-2005	Mandatory	Date qualifier	137 = Document date (Date when a reply is issued.)	137
C507-2380	Mandatory	Date		20210301
C507-2379	Mandatory	Date format qualifier	102 = CCYYMMDD	102
This segment is mandatory.				
Example: DTM+137:20210301:102'				
RFF - Reference to other messages				
C506-1153	Mandatory	Reference qualifier	ON = Order number	ON
C506-1154	Mandatory	Reference number		567
It is mandatory to indicate the purchase order number (ON).				
Example: RFF+ON:567'				

Elements	Status	Description	Code Values	Examples
NAD - Parties involved in message				
3035	Mandatory	Party qualifier	MS = Message issuer/sender MR = Message recipient BY = Buyer (requester) SU = Supplier (requestee) IV = Invoicee (invoice recipient) DP = Delivery party (point/store products are delivered to)	MS
C082-3039	Mandatory	Party identification (GLN, Global Location Number) in EAN-13 format		8400000000000
C082-3055	Conditional	Code list responsible agency, coded	9 = EAN	9
It is mandatory for the supplier to send an NAD segments that correspond to the buyer (BY), supplier (SU), and issuer/sender of message/document (MS), and message/document recipient (MR). The rest are conditional.				
Example: NAD+MS+8400000000000::9'				

7.2.2. Detail section

Elements	Status	Description	Code Values	Examples
LIN – Line-item header				
1082	Mandatory	Line item number		1
1229	Mandatory	Action/notification request, coded	3 = Change 5 = Accepted without amendments 6 = Accepted with amendments 7 = Not accepted	3
C212-7140	Mandatory	Item number GTIN (EAN)		8400862141404
C212-7143	Mandatory	Item number type, coded	EN = EAN	EN
<p>The line-item header segment is mandatory. It is where the item is identified with its code GTIN (Global Trade Identification Number), in EAN format, and the line-item status is indicated. When the data of a line item is modified:</p> <ul style="list-style-type: none"> To indicate a new purchase order for an item line, use code value 3 (case B from Logaritme) To indicate that the modifications do not require a new purchase order, use code value 6 (case A) <p>Note: see section 7.1 for further explanation of these cases</p>				
Example: LIN+1+3+8400862141404:EN'				

Elements	Status	Description	Code Values	Examples
PIA – Additional product Id.				
4347	Mandatory	Product Id. function qualifier	1 = Additional identification	1
C212-7140	Mandatory	Item number		A45U25
C212-7143	Mandatory	Item number type, coded	SA = Supplier's article number IN = Buyer's Item number	SA
The supplier is required to include two PIA segments to indicate the supplier's article number (SA) and the buyer's item number (IN). The serial number is added as needed.				
Example: PIA+1+ A45U25:SA'				
IMD – Item description				
7077	Mandatory	Item description type, coded	F = Free form	F
C273-7008	Mandatory	Item description in free text		SYRENGES
This segment is conditional. It is used to indicate the article description using free text.				
Example: IMD+F+M+::: SYRENGES '				
QTY – Quantities				
C186-6063	Mandatory	Quantity qualifier	21 = Ordered quantity 59 = Number of consumer units in the traded unit	21
C186-6060	Mandatory	Quantity (according to the previous qualifier)		15
This segment is mandatory only if the indicated data is modified.				
Example: QTY+21:15'				

Elements	Status	Description	Code Values	Examples
DTM – Date of delivery				
C507-2005	Mandatory	Date qualifier	2 = Delivery date requested	2
C507-2380	Mandatory	Date		20210301
C507-2379	Mandatory	Date format qualifier	102 = CCYYMMDD	102
This segment is mandatory if the specified date of delivery on the purchase order is modified; it is used to indicate the date of delivery.				
Example: DTM+2:20210301:102'				
MOA – Monetary amount for the line item				
C516-5025	Mandatory	Monetary amount type qualifier	203 = Line net amount, without taxes 388 = Line-item amount (taxes included)	388
C516-5004	Mandatory	Monetary amount (according to previous qualifier)		765.77
This segment is mandatory only if the indicated MOA in the purchase order is modified. It is used to confirm the item line's monetary amount, including taxes.				
Example: MOA+388:765.77'				

Elements	Status	Description	Code Values	Examples
QVR - Discrepancies				
C279-6064	Mandatory	Quantity difference		-10
C279-6063	Mandatory	Quantity qualifier	21 = Ordered quantity	21
4221	Conditional	Discrepancy coded (indicates reason for discrepancy causing difference in quantity)	AA = Item discontinued by wholesaler AB = Item no longer produced AD = Item out of stock at manufacturer AS = Available now - scheduled to ship BK = Back-ordered from previous order BP = Shipment partial, Back-order to follow CP = Shipment partial, considered complete (no Back-order) CN = Next Carrier PS = In process - scheduled to ship (date) OS = Item out of stock because of strike of force majeure OW = Item out of stock at wholesaler	AD

Elements	Status	Description	Code Values	Examples
			TW = Item temporarily discontinued by wholesaler	
C960-4295	Conditional	Change reason, coded (indicate reason for change in this field)	AJT = Adjustment details AUE = Article code unknown AV = Out of inventory AQ = Alternative quantity and unit of measurement IS = Item represents substitution from original order PC = Pack Difference UM = Unit of Measure Difference WV = Committed purchase quantity not ordered	
This segment is conditional, used to indicate reasons for discrepancies in quantity. To express variances in quantity - use element 4221; for all other type of variances - use element 4295.				
Example: QVR+-10:21+AD' (10 units less to be delivered due to stock shortage).				

Elements	Status	Description	Code Values	Examples
PRI - Unitary prices				
C509-5125	Mandatory	Price qualifier	AAA = Net unit price, without tax.	AAA
C509-5118	Mandatory	Price (per unit, according to previous qualifier)		76.577
This segment is mandatory only if modified with respect to the purchase order. It is sent to confirm the final unit price.				
Example: PRI+AAA:76.577'				

7.2.3. Summary section

Elements	Status	Description	Code Values	Examples
UNS – Section control for line items and summary				
0081	Mandatory	Section Identification	S = Detail/Summary section separation	S
This segment is mandatory to separate the detail section from the summary section.				
Example: UNS+S'				
MOA – Total monetary amount for purchase order				
C516-5025	Mandatory	Monetary amount type qualifier	139 = Total payment amount	139
C516-5004	Mandatory	Monetary amount		145.87
This segment is optional. It confirms to total payment amount for the purchase order.				
Example: MOA+139:145.87'				
UNT – End of the message				
0074	Mandatory	Number of segments in the message		72
0062	Mandatory	Message reference number (assigned by sender)		12345
This segment is mandatory, used to indicate the end of the message.				
Example: UNT+72+12345'				

7.3. Examples of an ORDRSP message

7.3.1. ORDRSP to a purchase order accepted without amendments

UNH+RP291+ORDRSP:D:96A:UN:EAN005'

BGM+231+5555+29'

DTM+137:20210301:102'

RFF+ON:ICS291'

NAD+MS+8400000000000000::9'

NAD+MR+84312999000009::9'

NAD+SU+8400000000000000::9'

NAD+BY+84312996000008::9'

UNT+9+RP291'

7.3.2. ORDRSP to a purchase order not accepted

UNH+RP291+ORDRSP:D:96A:UN:EAN005'

BGM+231+5555+27'

DTM+137:20210301:102'

RFF+ON:ICS291'

NAD+MS+8400000000000000::9'

NAD+MR+84312999000009::9'

NAD+SU+8400000000000000::9'

NAD+BY+84312996000008::9'

UNT+9+RP291'

7.3.3. ORDRSP purchase order accepted with amendments

The first item line is accepted without modifications and the second one is accepted with amendments. The third one is not accepted.

UNH+ICS291+ORDRSP:D:96A:UN:EAN005'

BGM+231+5555+4'

DTM+137:20210301:102'

RFF+ON:ICS291'

NAD+MS+84000000000000::9'

NAD+MR+84312999000009::9'

NAD+SU+84000000000000::9'

NAD+BY+84312996000008::9'

LIN+1+5+99999999999999:EN'

LIN+2+3+88888888888888:EN'

PIA+1+3333333:SA'

PIA+1+4444444:IN'

IMD+F++:::ITEM DESCRIPTION IN FREE TEXT2'

QTY+21:10'

QTY+59:5'

DTM+2:20210304:102'

MOA+203:50'

QVR+-10:21+TW'

PRI+AAA:5'

LIN+3+7+77777777777777:EN'

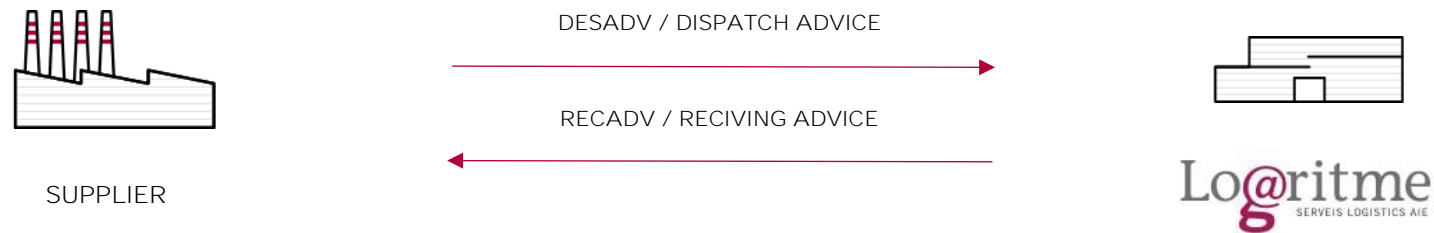
UNS+S'

MOA+139:120'

UNT+23+ICS291'

8. DESADV document guide (Dispatch Advice Message)

8.1. DESADV D.96A



Scenario for shipment delivery process

A 'dispatch advice message' is generated by the supplier to detail the content of a shipment ready for delivery to its designated recipient. It makes reference to just one shipment launch point (one shipper) and just one recipient destination point (one recipient).

It also enables the message recipient to get the necessary information to facilitate the receipt of goods and plan the consignment of shipment to the appropriate healthcare entities. The purchase order number needs to be included on the 'dispatch advice message' to carry out the delivery of a shipment.

A 'dispatch advice message' should be generated for each purchase order, except in cases when a single delivery needs to be completed by more than one physical shipment due to the size of the purchase order. A 'dispatch advice message' can also include additional information regarding solicited products that were not available when the purchase order was processed, such as production lot numbers, serial numbers, dates and times of production, expiry dates etc.

Logaritme utilizes non-logistical DESADV (without packaging or labeling information). This implies that if a supplier sends a DESADV with logistic information, it will be ignored at first glance upon receiving the document/message. Logaritme, nevertheless, reserves the right to request a 'delivery note' from its suppliers if it is considered necessary.

Mandatory information at the 'line item' level

At the line level, it will be necessary to indicate the EAN code, the buyer's internal product group code, the supplier's internal article group code, and the quantity expected to be delivered.

It is also mandatory to indicate:

- ▶ Temperature requirements for conserving items (if and when it varies to ambient temperature).
- ▶ The lot number (if existent). If there are several lot numbers, a LIN segment must be assigned to each lot number.

8.2. DESADV Message Structure

8.2.1. Header section

Elements	Status	Description	Code Values	Examples
UNH - Message Header				
0062	Mandatory	Message reference number [generated by sender]		12345
S009-0065	Mandatory	Message type Identifier	DESADV	DESADV
S009-0052	Mandatory	Message type version number	D	D
S009-0054	Mandatory	Message type release number	96A	96A
S009-0051	Mandatory	Controlling agency	UN	UN
S009-0057	Mandatory	Association assigned code	EAN005	EAN005
This segment is mandatory in all cases.				
Example: UNH+12345+DESADV:D:96A:UN:EAN005'				
BGM - Document number				
C002-1001	Mandatory	Document type	351 = Dispatch advice	351
1004	Mandatory	Document number (generated by the sender)		123
1225	Conditional	Document function	9 = Original	9
This segment is mandatory in all cases.				
Example: BGM+351+123+9'				

Elements	Status	Description	Code Values	Examples
DTM - Date				
C507-2005	Mandatory	Date qualifier	137 = Document date 191 = Delivery date expected	137
C507-2380	Mandatory	Date		20210301
C507-2379	Mandatory	Date format qualifier	102 = CCYYMMDD 203 = CCYYMMDDHHMM	102
This segment needs to be sent two times; once for the date the message is issued and the second time to indicate the expected delivery date of the purchase order.				
Example: DTM+137:20210301:102'				
RFF - Reference to other messages				
C506-1153	Mandatory	Reference qualifier	DQ = Delivery note number ON = Purchase order Number	ON
C506-1154	Mandatory	Reference number		567
It is mandatory to indicate this segment (RFF) twice, once for each case.				
Example: RFF+ON:567'				

Elements	Status	Description	Code Values	Examples
NAD - Parties involved with dispatch advice message				
3035	Mandatory	Party qualifier	MS = Message issuer/sender MR = Message recipient BY = Buyer (requester) SU = Supplier (requestee) DP = Delivery party (point/store products are delivered to)	MS
C082-3039	Mandatory	Party identification (GLN, Global Location Number), in EAN-13 format		8400000000000
C082-3055	Mandatory	Code list responsible agency, coded	9 = EAN	9
It is mandatory for the supplier to send the segments NAD corresponding to all the parties indicated above.				
Example: NAD+MS+8400000000000::9'				

8.2.2. Package section

Elements	Status	Description	Code Values	Examples
CPS – Consignment packing sequence				
7164	Mandatory	Hierachical Id. number		1
<p>This is the segment header for packages included within a delivery. Given that Logaritme does not require the logistics' delivery note, all segments related to packages should be ignored; only line item number segments and their related segments will be considered.</p>				
<p>Example: CPS+1'</p>				

8.2.3. Detail section

Elements	Status	Description	Code Values	Examples
LIN – Line item header				
1082	Mandatory	Line item number		1
C212-7140	Mandatory	GTIN (EAN) item number		8400862141404
C212-7143	Mandatory	Item number type, coded	EN = EAN	EN
The line item segment header is mandatory; it is used to identify items using their GTIN item number (Global Trade Identification Number) in EAN format.				
Example: LIN+1++8400862141404:EN'				
PIA – Additional product identification				
4347	Mandatory	Product Id. function qualifier	1 = Additional Identification	1
C212-7140	Mandatory	Item number		A45U25
C212-7143	Mandatory	Item number type, coded	SA = Supplier's article number, IN = Buyer's item Number, SN = Serial number	SA
The supplier is required to include two PIA segments to indicate the supplier's item number (SA) and the buyer's item number (IN). The serial number is added as needed.				
Example: PIA+1+ A45U25:SA'				

Elements	Status	Description	Code Values	Examples
MEA – Measurements				
6311	Mandatory	Measurement application qualifier, coded	SO = Storage limitation	SO
C502-6313	Mandatory	Measurement dimension, coded	TC = Temperature	TC
C174-6411	Mandatory	Measure unit qualifier	CEL = Celsius	CEL
C174-6162	Mandatory	Range Minimum		-4
C174-6152	Mandatory	Range Maximum		4
This segment is used only if the item to be delivered needs to be kept at a specific temperature for conservation purposes.				
Example: MEA+SO+TC+CEL::-4:4'				
QTY – Quantities				
C186-6063	Mandatory	Quantity qualifier	12 = Dispatch quantity 59 = Number of consumer units in traded unit	12
C186-6060	Mandatory	Quantity (according to previous qualifier)		15
It is mandatory for this segment to be sent at least once indicating the quantity delivered. It is optional to send it a second time indicating the quantity of consumer units in traded unit.				
Example: QTY+12:15'				
PCI – Package Identification				
4233	Mandatory	Marking instructions, coded	36E = Instructions from supplier	36E
This segment is mandatory, used to identify the related delivery dates (DTM) and the good identity number (GIN).				
Example: PCI+36E'				

Elements	Status	Description	Code Values	Examples
DTM – Date				
C507-2005	Mandatory	Date qualifier	36 = Expiry date 365 = Packaging date	36
C507-2380	Mandatory	Date		20210301
C507-2379	Mandatory	Date format qualifier	102 = CCYYMMDD	102
It is mandatory to indicate this segment at least once with the expiry date. In other cases, it depends on the product.				
Example DTM+36:20210301:102'				
GIN – Good's identity number				
7405	Mandatory	Identity number qualifier	BX = Lot number	BX
C208-7402	Mandatory	Identity number		A234323'
This segment is mandatory, used to indicate the good's lot number.				
Example GIN+BX+A234323'				

8.2.4. Summary section

Elements	Status	Description	Code Values	Examples
UNT - End of the message				
0074	Mandatory	Number of segments in the message		72
0062	Mandatory	Message reference number (assigned by sender)		12345
This segment is mandatory, used to indicate the end of the message.				
Example: UNT+72+12345'				

8.3. Example of DESADV message

UNH+DV300+DESADV:D:96A:UN:EAN005'
BGM+351+5555+9'
DTM+137:20210301:102'
DTM+191:20210310:102'
RFF+ON:ICS291'
RFF+DQ:ALB12345'
NAD+MS+8400000000000000::9'
NAD+MR+8431299900009::9'
NAD+SU+8400000000000000::9'
NAD+BY+8431299600008::9'
NAD+DP+8431299000020::9'
CPS+1'
LIN+1++99999999999999:EN'
PIA+1+111111:SA'
PIA+1+222222:IN'
MEA+SO+TC+CEL::-4:4'
IMD+F++:::ITEM DESCRIPTION IN FREE TEXT1'
QTY+12:10'
QTY+59:1'
PCI+36E'
DTM+36:20120301:102'
GIN+BX+A234323'
LIN+2++88888888888888:EN'
PIA+1+3333333:SA'
PIA+1+4444444:IN'
IMD+F++:::ITEM DESCRIPTION IN FREE TEXT2'
QTY+12:20'
QTY+59:5'
PCI+36E'
DTM+36:20210501:102'

UNS+S'

UNT+32+DV300'

9. RECADV (Receiving Advice Message)

9.1. RECADV D.96A

A receiving advice message concerns the needs related to the reception of goods. It is used either to acknowledge a receipt of merchandise or to alert the supplier of particular discrepancies found after receipt of merchandise and/or the controlled content within a shipment that has already been accepted.

The message relates to only one shipping launch point and only one recipient destination point, and can cover a number of different items.

It allows the buyer or recipient of the goods to provide the supplier with the corresponding information:

- An acknowledgement that the shipment has been delivered
- Notifies discrepancies between the number of received items and the number of items sent (and/or ordered).
- Notifies or gives instructions concerning the acceptance or suggestions with regard to the identified discrepancies.
- Instructions regarding the corrections that must be carried out on the invoice or credit note that is to be sent; which are based on the dispatch advice message or delivery notice.

Logaritme will send the confirmation receipt to the supplier once the merchandise has been physically received and inspected. For practical reasons, the INVOIC message should not be sent until the buyer confirms and accepts the merchandise. In this way, message errors will be minimized.

9.1.1. Scenario without discrepancies

The confirmation of receipt can either start the invoicing process for the merchandise received or services rendered; or it can be utilized by the supplier to oversee the transport services employed. Following the recommendations from the AECOC (GS1 Spain) Health Sector Guidelines, Logaritme will send the information from all the lines, even if they do not contain any modifications.

9.1.2. Scenario with discrepancies

For these cases, the receipt advice message is utilized to notify discrepancy in merchandise received, accepted, and sent (shipped); similar to how it is communicated in the dispatch advice message. In this case, the receiving advice message will normally include information related to merchandise stolen or damaged in transit, short or excessive hauls, or unknown items, etc.

The segment QVR (from 6063 and 6064) is used to specify any variations in what is ordered /sent and what is received and accepted.

9.1.3. Lot numbers

Similar to the DESADV explanation; when in a particular delivery there exists various 'good identification numbers' for the same item, it is required to indicate a LIN segment for each 'good identification number' that differs. This same rule also applies to the RECADV generated by Logaritme; there will be a LIN segment in RECADV for each LIN from DESADV, in other words, a LIN segment for each item and each 'good identification number'

9.2. RECADV Message Structure

9.2.1. Header section

Elements	Status	Description	Code Values	Examples
UNH - Message Header				
0062	Mandatory	Message reference number [generated by sender]		12345
S009-0065	Mandatory	Message type Identifier	RECADV	RECADV
S009-0052	Mandatory	Message type version number	D	D
S009-0054	Mandatory	Message type release number	96A	96A
S009-0051	Mandatory	Controlling agency	UN	UN
S009-0057	Mandatory	Association assigned code	EAN003	EAN003
This segment is mandatory, used in all the cases.				
Example: UNH+12345+RECADV:D:96A:UN:EAN003'				
BGM - Document number				
C002-1001	Mandatory	Document type	352 = Receiving advice number	352
C002-3055	Mandatory	Code list responsible agency, coded	9 = EAN	9
1004	Mandatory	Document/message number (generated by sender)		123
1225	Conditional	Document/message function	9 = Original 29 = The referenced DESADV has been accepted without corrections	9
This segment is mandatory, used in all the cases.				
Example: BGM+352+123+9'				

Elements	Status	Description	Code Values	Examples
DTM - Date				
C507-2005	Mandatory	Date qualifier	137 = Document date 50 = Goods receipt date	137
C507-2380	Mandatory	Date		20210301
C507-2379	Conditional	Date format qualifier	102 = AAAAMMDD	102
This segment is mandatory, used in all the cases.				
Example: DTM+137:20210301:102'				
RFF - Reference to other messages				
C506-1153	Mandatory	Reference qualifier	DQ = Delivery note number ON = Purchase order number AAK = Dispatch advice number	ON
C506-1154	Mandatory	Reference number		567
All three references should be sent in three RFF segments.				
Example: RFF+ON:567'				

Elements	Status	Description	Code Values	Examples
NAD - Parties involved in receiving advice message				
3035	Mandatory	Party qualifier	MS = Message sender MR = Message recipient (of RECADV) DP = Delivery Party (recipient of shipment) SH = Shipper (party shipping merchandise) BY = Buyer	MS
C082-3039	Mandatory	Party identification (GLN, Global Location Number) in EAN-13 format		8431299900009
C082-3055	Mandatory	Code list responsible agency, coded		9
This segment is mandatory, used to send NAD segments related to the parties indicated above by means of their party identification number.				
Example: NAD+MS+8431299900009::9'				

9.2.2. Package section

Elements	Status	Description	Code Values	Examples
CPS – Consignment packing sequence				
7164	Mandatory	Hierarchical Id. number		1
Header for packages included within a delivery.				
Example: CPS+1'				

9.2.3. Detail section

Elements	Status	Description	Code Values	Examples
LIN – Line item header				
1082	Mandatory	Line item number		1
C212-7140	Mandatory	GTIN (EAN) item number		8400862141404
C212-7143	Mandatory	Item number type, coded	EN = EAN	EN
This segment is mandatory, used to identify the item using its GTIN item number (Global Trade Identification Number) in EAN format.				
Example: LIN+1++8400862141404:EN'				
PIA – Additional product identification				
4347	Mandatory	Product Id. Function qualifier	1 = Additional Identification	1
C212-7140	Mandatory	Item number		A45U25
C212-7143	Mandatory	Item number type, coded	SA = Supplier's article number IN = Buyer's article number, SN = Serial number	SA
Logaritme will include two PIA segments to indicate the supplier's article number (SA) and the buyer's item number (IN). The serial number is added as needed.				
Example: PIA+1+ A45U25:SA'				
QTY – Quantities				
C186-6063	Mandatory	Quantity	12 = Dispatch quantity 194 = Received and accepted	12
C186-6060	Mandatory	Quantity (according to previous qualifier)		15
This QTY segments will be sent; one of each to indicate the quantity expressed for each of the previous qualifiers.				
Example: QTY+12:15'				

Elements	Status	Description	Code Values	Examples
QVR - Discrepancies				
C279-6064	Mandatory	Quantity difference		-40
C279-6063	Mandatory	Quantity qualifier	195 = Received, not accepted, to be returned 196 = Received, not accepted, to be destroyed 119 = Short shipped	195
4221	Mandatory	Discrepancy, coded	CP = Shipment partial, considered complete, no back order BP = Shipment partial, back order to follow AF = Goods delivered, damaged	BP
4295	Conditional	Change reason, coded	IS = Item represents substitution from original order (characteristics vary from the original item requested) PE = Minimum/maximum product durability date unacceptable X37 = Discrepancies in lot number X38 = Discrepancies in expiry date	PE

Elements	Status	Description	Code Values	Examples
<p>This segment is optional when discrepancies exist. Use element 4221 to describe discrepancies regarding quantity only; use element 4295 for other types of discrepancies.</p>				
<p>Example: QVR+-40:195++PE'</p>				

Elements	Status	Description	Code Values	Examples
PCI – Package Identification				
4233	Mandatory	Marking instructions, coded	36E = Instruction to collect from supplier	36E
This segment is mandatory for structural reasons, used to quickly identify good item numbers (GIN)				
Example: PCI+36E'				
GIN – Good's Identity Number				
7405v	Mandatory	Identity number qualifier	BX = Lot number	BX
C208-7402	Mandatory	Identity number		A234323'
This segment is mandatory, used to indicate lot number.				
Example: GIN+BX+A234323'				

9.2.4. Summary section

Elements	Status	Description	Code Values	Examples
UNT - End of the message				
0074	Mandatory	Number of segments in the message		72
0062	Mandatory	Message reference number (assigned by sender)		12345
This segment is mandatory, used to indicate the end of the message.				
Example: UNT+72+12345'				

9.3. Example of RECADV message

9.3.1. RECADV message, receipt and acceptance of sent message

UNH+RC300+RECADV:D:96A:UN:EAN003'
BGM+352+5555+9'
DTM+137:20210301:102'
DTM+50:20210310:102'
RFF+ON:ICS291'
RFF+DQ:ALB12345'
RFF+AAK:RC12345'
NAD+MS+84312999000009::9'
NAD+MR+84000000000000::9'
NAD+SH+84000000000000::9'
NAD+DP+84312990000020::9'
CPS+1'
LIN+1+++99999999999999:EN'
PIA+1+111111:SA'
PIA+1+222222:IN'
QTY+12:100'
QTY+48:100'
QTY+194:100'
UNT+20+RC300'

9.3.2. RECADV message, receipt with discrepancies

An item line containing 100 units and five of which are in an unacceptable condition.

UNH+RC300+RECADV:D:96A:UN:EAN003'

BGM+352+5555+9'

DTM+137:20210301:102'

DTM+50:20210310:102'

RFF+ON:ICS291'

RFF+DQ:ALB12345'

RFF+AAK:RC12345'

NAD+MS+84312999000009::9'

NAD+MR+84000000000000::9'

NAD+SH+84000000000000::9'

NAD+DP+84312999000020::9'

CPS+1'

LIN+1++9999999999999:EN'

PIA+1+111111:SA'

PIA+1+222222:IN'

QTY+12:100'

QTY+48:100'

QTY+194:95'

QVR+-5:196+AF'

UNT+21+RC300'

10. Document versions

Version 1.a, published 4/19/2010.

- ▶ Add in – “Modifications in the purchase order lines” in paragraph 7.1 (ORDRSP D.96A) to clarify procedures of actions for discrepancies indicated in purchase order response messages.

Version 1.b, published 5/19/2010.

- ▶ In the purchase order response (ORDRSP):
 - Modification: eliminates the 'mandatory' status of having to indicate the issuer of the document (NAD+MS) and the recipient of the document (NAD+MR).
 - Modification: eliminates the function of message 12 (not processed), defined in segment BGM. ORDRSP messages that are received with this function should be ignored.
 - Modification: In segment LIN, the action request code 1 is eliminated (add-in), since it is not possible to add line items that did not originate from the purchase order.
 - Modification: The segment MOA of the summary section, used to indicate the monetary amount of the purchase order including taxes is amended to optional status.
- ▶ Add-in: More clarifications are added over the use of the detail section. In Chapter 7.1, Section 4.b, the mandatory status for segments that modify a purchase order line item are explained further. In Chapter 7.2, there is further clarification regarding whether a line item segment is mandatory or not mandatory.

Version 1.c, published 5/25/2010.

- ▶ This version gives further instructions about how to generate a purchase order response (Chapter 7.1), in regards to:
 - How to indicate different dates of delivery for a line item
 - How to correctly indicate differences in quantity

Version 1.d, published 5/27/2010.

- ▶ Add-ins regarding information over the terms of delivery for a purchase order response (Chapter 7.1, terms of delivery to a purchase order response message).

Version 1.f, published 7/27/2010.

- ▶ There are diverse modifications regarding the mandatory status of some segments and fields, in order to adapt to the AECOC Health Sector Guide.
 - QVR segment's status for RECADV switches from mandatory to conditional.
 - The RFF segments used to indicate the NIF in message DESADV and RECADV are removed.

Version 1.g, published 10/25/2010

- ▶ Segments in the dispatch advice messages that are relevant to the monetary valuation of delivery notes are removed from the header and detail section; data is not required by Logaritme.

Version 1.h, published 11/2/2010

- ▶ An updated list of Global Location Number and Logistical points.

Version 1.i, published 11/16/2010

- ▶ The logistical structure diagram is removed. There is no assurance as to a reliable manner in displaying the operational point of the buyer, delivery point, and invoice receiving receptors, and has therefore been removed.

Version 1.j, published 1/4/2011

- ▶ Clarifications are added on the use of some fields in the header section of the Dispatch Advice Message (DESADV) in Chapter 8.1.

Version 1.k, published 1/26/2011

- ▶ Clarifications are added on the use of good's identification number from RECADV (Chapter 9.1).

Version 1.l, published 2/28/2011

- ▶ Under purchase order (ORDERS):
 - The qualifier "DQ" is added to segment RFF to indicate the delivery note number for cases of consignment.
 - The segment ALI is added to indicate consignment type (i.e. replenishment, re-stocking)
 - The segment PIA is added to the qualifier "UA" to indicate the ultimate customer's article number for ICS.
- ▶ Within Dispatch Advice (DESADV):
 - The qualifier indicating the date (DTM) of manufacture in segment 37 is removed. Logaritme does not require it.
- ▶ In Receiving Advice Message (RECADV):

- The qualifier, indicating the actual quantity received by the buyer, is removed. Logaritme will not send this information (SG22 12 QTY).
- The qualifiers used in segment QVRLIN are updated to indicate only those that Logaritme will use.

Version 1.m, published 3/28/2011

- ▶ Version certified by AECOC (GS1 Spain).

Version 2.a, published 2/13/2012

- ▶ New GLN 8431299000037 is added to the GLN list and the logistical structure diagram.

Version 2.b, published 2/23/2012

- ▶ The qualifiers “X37” and “X38” are added to segment QVR from RECADV message, to indicate discrepancies in lot number and expiry date.

Version 2.c, published 5/2/2012

- ▶ Hospital Verge de la Cinta is added to the Logical Structure.
- ▶ The “DELIVERE” status code is added to APERAK message.

Version 2.d, published 16/5/2012

- ▶ A status description table is added to the APERAK document.

Version 2.g published 23/08/2013.

- ▶ Modified the address of the Banc de Sang i Teixits (chapter 5)

Version 3.f published 2/10/2013.

- ▶ The qualifier “29” is added to segment BGM from RECADV message, to indicate the referenced DESADV has been accepted without corrections

Version 3.f.1, published 21/1/2014

- ▶ Agrupació Europea De Cooperació Territorial - Hospital de Cerdanya is added to the Logical Structure.

Version 3.f.2, published 8/4/2014

- ▶ Institut de Diagnòstic per la Imatge is added to the Logical Structure.

Version 3.g, published 8/10/2014

Changes from 15 December 2014.

▶ ORDERS:

- The qualifier “49E” and the date format “804” are added to segment DTM of the detail line, to show the minimum shelf life remaining at time of receipt.

▶ RECADV:

- The qualifier r “BY” is added to segment NAD to show the buyer.

Version 3.h, published 22/12/2016

Changes from January 2nd 2019.

▶ ORDERS:

- Added two segments DTM (qualifiers 64 and 63) to inform the scheduled time for deliveries (first time/last time)
- Added qualifier “203” to DTM (63/64), supporting the format “CCYYMMDDHHMM” (adding Hour and Minutes)
- This information for deliveries time will be also included as comments at FTX segment

Version 3.i, published 01/05/2019

- ▶ A new warehouse, Coral Transports & Stocks, is added to the administrative structure, only for specific product deliveries.

Version 3.j, published 12/12/2019

Changes from January 1st of 2018: with the aim of improving the information about the prices in the orders, Logaritme will send the information of net prices in the articles and the tax to apply.

▶ ORDERS (order):

- The qualifier “203” is added to the line MOA segment to indicate the total net amount of the line.
- The “NTP” qualifier is replaced by the “AAA” in PRI segment to indicate the net price of the item.
- Segment group SG34 TAX-MOA is added to indicate the information related to the taxes to be applied at the line level.
- Qualifier “79” is added to the MOA segment of the summary to indicate the net total of lines or net total before taxes.

▶ ORDRSP (Response to the order):

- The qualifier “203” is added to the line MOA segment to indicate the total net amount of the line.
- The “NTP” qualifier is replaced by the “AAA” in the line PRI segment to indicate the net price of the item.

Version 4.a, published 10/01/2020

- ▶ Information related to APERAK and CONTRL documents is deleted as Logaritme has stopped using them.

Version 4.b, published 15/02/2021

- ▶ Added new centre 8431299900559.

Version 4.c, published 19/02/2020

- ▶ Added new warehouses

Version 4.d, published 23/02/2020

- ▶ Changed the address for centre 8431299600008

Version 4.e, published 01/03/2021

- ▶ Changed the qualifier NTP for AAA of PRI segment in examples of ORDRSP

Version 5.a, published 24/03/2021

- ▶ The format of the guide is revised

Version 5.b, published 07/04/2021

- ▶ Changed the address for centre 8431299900825 (IDI Girona HUJT PET PI. SS SECTOR B)