



ELECTRONIC DATA INTERCHANGE GUIDE

Version 1.h- December 2022



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1. Intention of this guide

The objective of this guide is to provide companies with all the information necessary for the interchange of commercial documents through the EDI standard with Ametller Origen.

For said interchange to be efficient, we consider it indispensable that all the departments of the organization involved learn the content of this document, and especially the IT area.

Those companies that already have EDI systems implemented and working, will find in this guide the information necessary to adapt their systems to the requirements of Ametller Origen, both in that referring to communications as well as to the structure of the messages.

If you are not EDI users and will begin to use the system, this guide will provide information of interest that will help in this process.

For everything related to the content of this guide and the start-up of the EDI project, you can contact Ametller Origen or our supplier eDiversa Group.

Ametller Origen contact details	eDiversa Group contact details
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2. Getting started

If your company already has an EDI system in place, you should provide your service supplier with the information contained in this guide, so they can adapt your systems to the requirements of Ametller Origen

To start, you should provide us with certain information about your EDI system. You can do so by completing the form at the following link:

www.ediversa.com/en/project-casa-ametller-ediversa

3. Communications

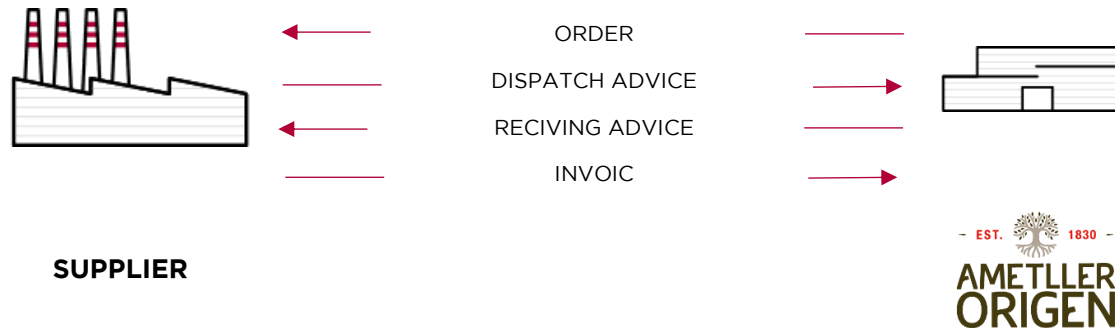
Ametller Origen has a central GLN identifier for EDI interchanges and a mailbox within the eDiversa Group Network.

Company	Head GLN
AMETLLER ORIGEN	8436551860008

4. Messages

Ametller Origen will interchange the following documents:

Type of document	Meaning	From	To
ORDERS D.96A UN EAN008	Order	Ametller Origen	Supplier
DESADV D.96A UN EAN005	Dispatch advice message	Supplier	Ametller Origen
RECADV D.01B UN EAN008	Receiving advice message	Ametller Origen	Supplier
INVOIC D.93A UN EAN007	Invoice	Supplier	Ametller Origen



5. Global Location Number (GLN) and Logistical Structure

Global location number (UNB): 8436551860008

Buyer (NAD+BY) and Invoice (NAD+IV): 8436551860008

Delivery party (NAD+DP): See list of centers in this guide.

6. Document ORDERS structure

6.1. Header Section

Element	Status	Description	Code values	Example
UNH - Message heading				
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
Mandatory segment with all cases				
Example: UNH+12345+ORDERS:D:96A:UN:EAN008'				
BGM - Beginning of message				
C002-1001	Mandatory	Document /message name	220 = Order	220
1004	Mandatory	Document/message function		260573
1225	Conditional	Message function, coded	9 = Original	9
Segment required in all cases.				
Example: BGM+220+260573+9'				

Element	Status	Description	Code values	Example
DTM - Date/Time/Period				
C507-2005	Mandatory	Date/time/period qualifier	137 = Document/message date/time 2 = Delivery date/time, requested	137
C507-2380	Mandatory	Date/time/period		20200301
C507-2379	Mandatory	Date/time/period format qualifier	102 = CCYYMMDD	102
This segment is used in all cases to indicate the when an order is sent.				
Example DTM+137:20180301:102'				
ALI - Additional information				
3239	Conditional	Country of origin, coded		
9213	Conditional	Type of duty regime, coded		
4183	Conditional	Special conditions, coded	78E = Return request	78E
Segment used to report that the order shipped is a return order.				
Example ALI+++78E'				
FTX - Free text				
4451	Conditional	Text subject qualifier	AAI = General information	AAI
C108-4440	Conditional	Free text		
Segment used in some occasions to indicate observations about the order in free text.				
Example: FTX+AAI+++Observations about the order				

Element	Status	Description	Code values	Example
NAD - Name and Address				
3035	Mandatory	Party qualifier	MS = Document/message sender/sender MR = Message recipient BY = Buyer (requester) SU = Supplier (requestee) IV = Invoice DP = Delivery party	MS
C082-3039	Mandatory	Party identification (GLN, Global Location Number), in format EAN-13.		8436551860008
C082-3055	Mandatory	Code list responsible agency, coded	9 = EAN	9
C080-3036	Conditional	Party name		Ametller Origen.
C059-3042	Conditional	Party address		Av. Mare de Déu de Montserrat, 71-77
3164	Conditional	City name		Olerdola
3251	Conditional	Postcode identification		08799
In all orders, Ametller Origen will send the information of the parties MS, MR, SU, BY, IV and DP, including the GLN name, address, postcode and city name of the party.				
Example: NAD+MS+8436551860008::9++Ametller Origen S.L..+Av. Mare de Déu de Montserrat, 71-77+Olerdola ++08799'				

Element	Status	Description	Code values	Example
RFF - References				
C506-1153	Mandatory	Reference qualifier	VA = VAT registration number	VA
C506-1154	Mandatory	Reference number		B62591359
Ametller Origen S.L. will indicate the VA in all parts indicated in the previous segment.				
Example: RFF+VA:B62591359'				
CUX - Currencies				
C504-6347	Mandatory	Currency details qualifier	2 = Reference currency	2
C504-6345	Mandatory	Currency, coded		EUR
C504-6343	Mandatory	Currency qualifier	4 = Invoicing currency	4
Segment to indicate the currency of the invoice.				
Example: CUX+2:EUR:4'				

6.2. Detail Section

Element	Status	Description	Code values	Example
LIN - Line item header				
1082	Mandatory	Line item number		1
C212-7140	Mandatory	Item number GTIN (EAN)		8400000000000
C212-7143	Mandatory	Item number type, coded	EN = EAN	EN
-				
Example: LIN+1++8400000000000:EN'				
PIA - Additional product ID				
4347	Mandatory	Product id. function qualifier	1 = Additional identification	1
C212-7140	Mandatory	Article number		123456
C212-7143	Mandatory	Item number type, coded	IN = Ametller Origen S.L. item number SA = Supplier's article number	SA
Ametller Origen S.L. will always include supplier and buyers item numbers in its orders. The serial number will only be sent when necessary				
Example: PIA+1+123456:SA'				

Element	Status	Description	Code values	Example
IMD – Item description				
7077	Mandatory	Item description type, coded	F = Free form	F
7081	Mandatory	Item characteristic, coded	M = Merchandise	M
C273-7008	Mandatory	Item description (in free text)		
Segment is used to provide a description of the items, using free text. Ametller Origen S.L. will always send this information.				
Example: IMD+F+M+:::ITEMDESCRIPTION				
QTY – Quantities				
C186-6063	Mandatory	Quantity qualifier	21 = Ordered quantity 59 = Numbers of consumer units in the traded unit	21
C186-6060	Mandatory	Quantity		15
C186-6411	Mandatory	Measure unit qualifier	PCE = Units (Pieces) KGM = Kilograms	PCE
Segment will be sent with the quantities ordered. The measure unit is conditional.				
Example: QTY+21:15:PCE'				

Element	Status	Description	Code values	Example
MOA - Monetary amounts				
C516-5025	Mandatory	Monetary amount type qualifier	203 = Line item amount (without taxes)	203
C516-5004	Mandatory	Quantity		765.77
Segment to confirm the total quantity of the order line, without taxes.				
Example: MOA+203:765.77'				
PRI - Price details				
C509-5125	Mandatory	Price qualifier	AAA = Calculation net	AAA
C509-5118	Mandatory	Price (per unit, according to previous qualifier)		73
This segment will be sent to confirm the net unit price, without taxes included.				
Example: PRI+AAA:73'				

6.3. Summary Section

Element	Status	Description	Code values	Example
UNS - Section control of the line items and summary				
0081	Mandatory	Section identification	S = Detail/summary section separation	S
Mandatory segment to indicate the end of the 'detail section' and the start of the 'summary section'.				
Example: UNS+S'				
MOA - Monetary amounts				
C516-5025	Conditional	Monetary amount type qualifier	79 = Total line items amount	79
C516-5004	Conditional	Quantity		24.68
This segment will always be sent to indicate the purchase order's total payment amount.				
Example: MOA+79: 24.68'				
UNT - End of the message				
0074	Mandatory	Number of segments in the message		28
0062	Mandatory	Message reference number (assigned by the sender)		12345
Mandatory segment that indicates the end of the message.				
Example: UNT+28+12345				

6.4. Example of an ORDERS message

UNH+12345+ORDERS:D:96A:UN:EAN008'
BGM+220+260573+9'
DTM+137:20180301:102'
DTM+2:20180320:102'
ALI+++78E'
FTX+AAI+++Observations on the order'
NAD+MS+8436551860008::9++Ametller Origen S.L.+Av. Mare de Déu de Montserrat, 71-77+Olerdola ++08799'
RFF+VA:B62591359'
NAD+SU+NIFPROVIDER::9++PROVIDER+POL.IND. 8-B+Localidad++08000'
RFF+VA: NIFPROVIDER
NAD+BY+8436551860008::9++Ametller Origen S.L.+ Av. Mare de Déu de Montserrat, 71-77+Olerdola++08799'
RFF+VA:B62591359'
NAD+MR+ NIFPROVIDER::9++PROVIDER+POL.IND. 8-B+Localidad++08000'
RFF+VA:NIFPROVEEDOR'
NAD+IV+8436551860008::9++Ametller Origen S.L.+ Av. Mare de Déu de Montserrat, 71-77+Olerdola++08799'
RFF+VA:B62591359'
NAD+DP+84365518600091::9++009 Vilanova-1+Josep Coroleu 79+Vilanova i la Geltrú++08800'
RFF+VA:B62591359'
CUX+2:EUR:4'
LIN+1++84000000000000:EN'
PIA+1+123456:SA'
IMD+F+M+:::ITEMDESCRIPTION
QTY+21:15:PCE'
MOA+203:765.77'
PRI+AAA:73'
UNS+S'
MOA+79: 24.68'
UNT+28+12345'

7. Document DESADV structure

Implementation of the DESADV message

It is necessary for the correct management of the DESADV messages that the sender indicates additional logistical information. The additional information necessary for despatch advice messages will be the following:

- It is mandatory to indicate the client's order number.

It is mandatory to specify in the PAC segment the type packing sent and in another PAC segment the quantity of packs included, according to codes of RFF+ON: Order number Ametller Origen'

- Ametller Origen. The suppliers should solicit the list of packing codes directly from Ametller Origen.

CPS+2+1'

PAC+1++99003'

PAC+200++80339'

- It is mandatory to indicate the line number of the original order in the detail section.

RFF+LI:10'

DESADV clarification

This despatch advice message contains the following levels:

- ▲ Level 1: This indicates the number of groups the consignment contains and which packing (pallet, box, etc.).
- ▲ Level 2: Indicates the groups used within the despatch level which includes the items. It is conditional that this batch be identified with a serial number. Each one of these batches has a hierarchical sequence number, but the predecessor is the same and is always 1 (despatch level)
- ▲ Level 3: the items contained in each one of the groups from the previous level.

CPS+1'	Despatch level, Level 1
PAC+2++90002'	Two GROUPINGS are sent, in this case, number of packages = 2 pallets type 90002
CPS+2+1'	First GROUPING in the despatch level (hierarchy number 2, Level 2)
PAC+1++90002'	Level of exterior packing, pallet 90002'
PCI+33E'	Mark serial shipping container code
GIN+BJ+3999000000000000082'	Serial number of the first package
PAC+5++80339'	The pallet contains 5 boxes type 80339
LIN+1++8400000000001:EN'	First item of the GROUPING of hierarchy 2 (Level 3)
...	Segments of the first item of the GROUPING
PCI+36E'	Marking instructions
GIN+BX+LOTE11'	BATCH of the first item
CPS+3+1'	Second GROUPING in the despatch level (hierarchy number 3, Level 2)
PAC+1++90002'	Level of exterior packing, pallet 90002'
PCI+33E'	Mark serial shipping container code
GIN+BJ+3999000000000000099'	Serial number of the first package
PAC+3++80339'	The pallet contains 3 boxes type 80339
LIN+2++8400000000002:EN'	First item of the GROUPING of hierarchy 2 (Level 3)

...	Segments of the first item of the GROUPING
PCI+36E'	Marking instructions
GIN+BX+LOTE22'	BATCH of the second item

7.1. Header Section

Element	Status	Description	Code values	Example
UNH - Message heading				
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
Segment mandatory in all cases				
Example: UNH+12345+DESADV:D:96A:UN:EAN005'				
BGM - Beginning of Message				
C002-1001	Mandatory	Document /message name	351 = Despatch advice message	351
1004	Mandatory	Document/message function		12345
1225	Conditional	Message function, coded	9 = Original	9
Segment used in all cases.				
Example: BGM+351+12345+9'				

Element	Status	Description	Code values	Example
DTM - Date/Time/Period				
C507-2005	Mandatory	Date/time/period qualifier	137 = Document/message date/time 191 = Delivery date expected	137
C507-2380	Mandatory	Date/time/period		20200704
C507-2379	Mandatory	Date/time/period format qualifier	102 = CCYYMMDD	102
This segment should be sent two times, one for the date of the document and another for the estimated shipment date				
Example: DTM+137:20190704:102'				
RFF - References				
C506-1153	Mandatory	Reference qualifier	ON = Order number DQ = Delivery note number	ON
C506-1154	Mandatory	Reference number		W0400-665170
It is mandatory to indicate the RFF segment.				
Example: RFF+ON:W0400-665170'				
NAD - Name and Address				
3035	Mandatory	Party qualifier	MS = Message sender MR = Message recipient BY = Buyer (requester) SU = Supplier (requestee) DP = Delivery party (point/store products are delivered to)	MR

Element	Status	Description	Code values	Example
C082-3039	Mandatory	Party identification (GLN, Global Location Number), in format EAN-13.		8436551860008
C082-3055	Mandatory	Code list responsible agency, coded	9 = EAN	9
C080-3036	Conditional	Party name		AMETLLER ORIGEN
C059-3042	Conditional	Party address		Av. Mare de Deu de Montserrat,71-77, P.I.Sant Pere Molanta
3164	Conditional	City name		Olerdola
3251	Conditional	Postcode identification		08799
It is mandatory for the supplier to send the corresponding NAD segments to all parties previously indicated.				
Example: NAD+MR+8436551860008::9++AMETLLER ORIGEN+AV. MARE DE DEU DE MONTSERRAT,71-77, P.I.SANT PERE MOLANTA+OLERDOLA ++08799'				

7.2. Package Section

Element	Status	Description	Code values	Example
CPS - Consignment Packing Sequence				
7164	Mandatory	Hierarchy identification number		1
7166	Mandatory	Hierarchy parent id.		1
Heading section to indicate hierarchy packing structure.				
Example: CPS+1'				
PAC - Package				
7224	Mandatory	Number of packages		1
C202-7065	Mandatory	Type of package identification	The list of package codes will be provided by Ametller Origen for each Supplier.	
C202-3055	Conditional	Code list responsible agency, coded	92 = Assigned by buyer or buyer's agent	92
Heading segment that indicates composition of package units.				
Example: PAC+1++90002::92'				
PCI - Package Identification				
4233	Mandatory	Marking instructions, coded	33E= Marked with serial shipping container code	33E
Heading segment that indicates package units.				
Example: PCI+33E'				

Element	Status	Description	Code values	Example
GIN - Goods Identity Number				
7405	Mandatory	Identity number qualifier	BJ = Serial shipping container code	BJ
C208-7402	Mandatory	Identity number	EAN-128	
Heading segment that informs about the serial shipping container code				
Example: GIN+BJ+388888800000003952'				

7.3. Detail Section

Element	Status	Description	Code values	Example
LIN - Line item header				
1082	Mandatory	Line item number		1
C212-7140	Mandatory	Item number GTIN (EAN)		8400000000001
C212-7143	Mandatory	Item number type, coded	EN = EAN	EN
Mandatory segment of the detail section that identifies the item with its code.				
Example: LIN+1++8400000000001:EN'				
PIA - Additional product ID				
4347	Mandatory	Article number		654321
C212-7140	Mandatory	Item number type, coded	SA = Supplier's article number	SA
C212-7143	Mandatory	Product id. function qualifier	1 = Additional identification	1
It is mandatory that the supplier include the PIA segment to indicate the supplier's article number.				
Example: PIA+1+654321:SA'				
IMD - Item description				
7077	Conditional	Item description type, coded	F = Free form	F
C273-7008	Conditional	Item description (in free text)		
Segment is used to provide a description of the items, using free text.				
Example: IMD+F+++::ITEMDESCRIPTION'				

Element	Status	Description	Code values	Example
QTY - Quantities				
C186-6063	Mandatory	Quantity qualifier	12 = Despatch quantity 59 = Numbers of consumer units in the traded unit	12
C186-6060	Mandatory	Quantity (according to previous qualifier)		15
C186-6411	Mandatory	Measure unit qualifier	KGM = Kilogram PCE = Units (Pieces) LTR = Liter	
At least one segment of this type will always be sent along with the quantity requested.				
Example: QTY+12:15:KGM'				
RFF - References				
C506-1153	Mandatory	Reference qualifier	LI = Order line number	LI
C506-1154	Mandatory	Reference		10
A RFF segment will be indicated with the reference number of the previous line order document (ORDERS)				
Example: RFF+LI:10'				
PCI - Package Identification				
4233	Conditional	Marking instructions, coded	36E = additional information	36E
Segment necessary for structure to later identify its subordinate segment dates (DTM).				
Example: PCI+36E'				

Element	Status	Description	Code values	Example
DTM - Date/Time/Period				
C507-2005	Mandatory	Date/time/period qualifier	36 = Expiration date	36
C507-2380	Mandatory	Date/time/period		20200301
C507-2379	Mandatory	Date/time/period format qualifier	102 = CCYYMMDD	102
Mandatory to indicate this segment at least once for the expiration date.				
Example: DTM+36: 20200301:102'				
GIN Goods Identity Number				
7405	Conditional	Identity number qualifier	BX = Batch number	BX
C208-7402		Identity number		
Sent whenever there is a batch number.				
Example: GIN+BX+190704EL46'				

7.4. Summary Section

Element	Status	Description	Code values	Example
UNT - End of message				
0074	Mandatory	Number of segments of the message		51
0062	Mandatory	Message reference number (assigned by sender)		12345
Mandatory segment to indicate the end of message.				
Example: UNT+51+12345				

7.5. Example of the DESADV message

UNH+12345+DESADV:D:96A:UN:EAN005'
BGM+351+12345+9'
DTM+137:20190704:102'
DTM+191:20190705:102'
RFF+ON:W0400-665170'
RFF+DQ:12345'
NAD+MR+8436551860008::9++AMETLLER ORIGEN+AV. MARE DE DEU DE MONTSERRAT,71-77, P.I.SANT PERE MOLANTA+OLERDOLA ++08799'
NAD+MS+8437013061650::9'
NAD+SU+8437013061650::9'
NAD+BY+8422410000005::9'
NAD+DP+8422410150038::9'
CPS+1'
PAC+1++99999::92'
CPS+2+1'
PAC+1++99002::92'
PCI+33E'
GIN+BJ+388888800000003952'
PAC+240++80339::92'
LIN+1++8400000000001:EN'
PIA+1+654321:SA'
IMD+F+++::ITEMDESCRIPTION
QTY+12:15:KGM'
QTY+59:4'
RFF+LI:10'
PCI+36E'
DTM+36: 20190301:102'
GIN+BX+190704EL46'
CPS+3+1'
PAC+1++99002::92'
PCI+33E'
GIN+BJ+184370119691657240'
PAC+100++80339::92'

LIN+2++8400000000002:EN'
PIA+1+1111111:SA'
IMD+F++:9: ITEMDESCRIPTION2
QTY+12:500:KGM'
QTY+59:4'
RFF+LI:20'
PCI+36E'
DTM+36:20190730:102'
GIN+BX+190704EL50'
LIN+3++8400000000003:EN'
PIA+1+1111111:SA'
IMD+F++:9: ITEMDESCRIPTION3
QTY+12:300:KGM'
QTY+59:4'
RFF+LI:30'
PCI+36E'
DTM+36:20190731:102'
GIN+BX+190704EL51'
UNT+51+12345'

8. Document RECADV structure

8.1. Header Section

Element	Status	Description	Code values	Example
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	01B	01B
S009-0051	Mandatory	Controlling agency	UN	UN
S009-0057	Mandatory	Association assigned code	EAN008	EAN008
Mandatory segment in all cases.				
Example: UNH+12345+RECADV:D:01B:UN:EAN008'				
BGM - Beginning of Message				
C002-1001	Mandatory	Document /message name	352 = Receiving advice number	352
C002-3055	Mandatory	Code list responsible agency, coded	9 = EAN	9
1004	Mandatory	Document/message function		123
1225	Conditional	Message function, coded	9 = Original	9
Segment used in all cases.				
Example: BGM+352::9+123+9'				

Element	Status	Description	Code values	Example
DTM - Date/Time/Period				
C507-2005	Mandatory	Date/time/period qualifier	137 = Document/message date/time 50 = Good receipt date/time 200 = Pick-up/collection date/time of cargo	137
C507-2380	Mandatory	Date/time/period		20200301
C507-2379	Conditional	Date/time/period format qualifier	102 = CCYYMMDD	102
AMETLLER ORIGEN will send the DTM segment to indicate the date of the document				
Example: DTM+137:20200301:102'				
RFF - References				
C506-1153	Mandatory	Reference qualifier	DQ = Delivery notice number ON = Order number	DQ
C506-1154	Mandatory	Reference number		567
The two references indicated will be sent through two RFF segments.				
Example: RFF+DQ:567'				

Element	Status	Description	Code values	Example
NAD - Name and Address				
3035	Mandatory	Party qualifier	MS = Message sender MR = Message recipient DP = Delivery party (point/store products are delivered to) SU = Supplier (requestee) BY = Buyer (requester)	MS
C082-3039	Mandatory	Party identification (GLN, Global Location Number), in format EAN-13.		8436551860008
C082-3055	Mandatory	Code list responsible agency, coded	9 = EAN	9
The NAD segments will be sent corresponding to the parties previously indicated, only with their GLN.				
Example: NAD+MS+8436551860008::9'				

8.2. Grouping

Element	Status	Description	Code values	Example
CPS - Consignment Packing Sequence				
7164	Mandatory	Hierarchy identification number		1
Header for packages included within a delivery. Given that AMETLLER ORIGEN 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. It is mandatory, for structural reasons, to include at least the first package. This segment and those subsequent to it should be sent when discrepancies are detected with respect to the despatch advice message.				
Example: CPS+1'				

8.3. Detail Section

Element	Status	Description	Code values	Example
LIN - Cabecera de línea de detalle				
1082	Mandatory	Line item number		1
C212-7140	Mandatory	GTIN (EAN) item number		8400000000001
C212-7143	Mandatory	Item number type, coded	EN = EAN	EN
Segment is mandatory. Items are identified with their GTIN (Global Trade Identification Number), in EAN format.				
Example: LIN+1++8400000000001:EN'				
PIA - Additional Product ID				
4347	Conditional	Product id. function qualifier	1 = Additional identification	1
C212-7140	Conditional	Item number		14196
C212-7143	Conditional	Item number type, coded	IN = Buyer's Item number	IN
AMETLLER ORIGEN will indicate the PIA segment to indicate the buyers item number.				
Example: PIA+1+14196:IN'				
QTY - Quantities				
C186-6063	Mandatory	Quantity qualifier	194 = Received and accepted	194
C186-6060	Mandatory	Quantity		15
A QTY segment will be sent to indicate the accepted quantities.				
Example: QTY+194:15'				

Element	Status	Description	Code values	Example
IMD – Item description				
7077	Conditional	Item description type, coded	F = Free form	F
7081	Conditional	Item characteristic, coded	M = Merchandise	M
C273-7008	Conditional	Item description type (in free text)		
AMETLLER ORIGEN can include the segment for IMD to indicate the item description in free form.				
Example: IMD+F+M+:::ITEMDESCRIPTION'				
QVR – Quantity Variances				
C279-6064	Mandatory	Quantity difference		40
C279-6063	Mandatory	Quantity qualifier	12 = Differences (received amount – ordered amount)	12
C279-4221	Mandatory	Variance, coded.	AC = Over-shipped BP = Shipment partial, back order to follow CP = Shipment partial, considered complete, no back order	AC
C960-4295	Conditional	Change reason, coded.		PE
Conditional segment to indicate variances.				
Example: QVR+40:12+AC+PE'				

Element	Status	Description	Code values	Example
RFF - Reference				
C506	Mandatory	Reference	RFF	RFF
C506 - 1153	Mandatory	Reference qualifier	DQ = ASN number	DQ
C506 - 1154	Mandatory	Reference number		533662
C506 - 1156	Mandatory	Number of line items in relationship document		22
Segment used to indicate the references at the line level.				
Example: RFF+DQ:533662:22'				
CNT - Control				
C270	Mandatory	Control		CNT
C270 - 6069	Conditional	Control qualifier	2 = Number of line items in message	2
C270 - 6066	Conditional	Control value		5
Segment used to provide message control information for the recipient to review the message on their system.				
Example: CNT+2:5'				

8.4. Summary Section

Element	Status	Description	Code values	Example
UNT - End of message				
0074	Mandatory	Number of segments of the message		38
0062	Mandatory	Message reference number (assigned by sender)		12345
Mandatory segment that indicates the end of the message.				
Example: UNT+38+12345'				

8.5. Example of the RECADV message

UNH+12345+RECADV:D:01B:UN:EAN008'
BGM+352::9+123+9'
DTM+137:20190301:102'
RFF+DQ:567'
RFF+ON:1234'
NAD+MS+8436551860008::9'
NAD+BY+8436551860008::9++AMETLLER ORIGEN+Av. Mare de Déu de Montserrat, 71-7:7 - Pol. Ind. Sant Pere Molanta+Olerdola++08799'
RFF+VA:B62591359'
NAD+IV+8436551860008::9++AMETLLER ORIGEN'
NAD+MR+8412345678912::9++PROVIDER S.L.'
NAD+SU+8412345678912::9++PROVIDER S.L.'
NAD+DP+8436551868035::9++CD03 - Centro Distribución Mercabar:na+Longitudinal 9 nº 63, Mercabar+Barcelona++08040'
LIN+1+++8400000000001:EN'
PIA+1+14196:IN'
IMD+F+M+:::ITEMDESCRIPTION1'
QTY+194:10'
QVR+50:12+AC+PE'
RFF+DQ:533662:22'
LIN+2++8400000000002:EN'
PIA+1+14197:IN'
IMD+F+M+:::ITEMDESCRIPTION 2'
QTY+194:2208'
RFF+DQ:533662:23'
LIN+3++8400000000003:EN'
IMD+F+M+:::ITEMDESCRIPTION 3'
QTY+194:3'
RFF+DQ:533662:24'
LIN+4++8400000000004:EN'
PIA+1+80339:IN'
IMD+F+M+:::ITEMDESCRIPTION 4'
QTY+194:8'
RFF+DQ:533662:25'

LIN+5++8400000000005:EN'
PIA+1+80336:IN'
IMD+F+M+:::ITEMDESCRIPTION 5'
QTY+194:500'
RFF+DQ:533662:26'
UNT+38+12345'

9. Document INVOIC structure

9.1. Header Section

Element	Status	Description	Code values	Example
UNH - Message heading				
0062	Mandatory	Message reference number (assigned by the sender)		12345
S009-0065	Mandatory	Message type identifier	INVOIC	INVOIC
S009-0052	Mandatory	Message type version number	D	D
S009-0054	Mandatory	Number of sub-version of the type of message	93A	93A
S009-0051	Mandatory	Controlling agency	UN	UN
S009-0057	Mandatory	Association assigned code	EAN007	EAN007
Mandatory segment in all cases.				
Example: UNH+12345+INVOIC:D:93A:UN:EAN007'				
BGM - Beginning of message				
C002-1001	Mandatory	Document /message name	380 = Commercial invoice 381 = Credit Note	380
1004	Mandatory	Document/message function		123
1225	Conditional	Message function, coded	9 = Original	9
Segment mandatory in all cases.				
Example: BGM+380+123+9'				

Element	Status	Description	Code values	Example
DTM - Date/Time/Period				
C507-2005	Mandatory	Date/time/period qualifier	137 = Document/message date/time 95E = Billing of lading date	137
C507-2380	Mandatory	Date/time/period		20200301
C507-2379	Mandatory	Date/time/period format qualifier	102 = AAAAMMDD	102
Segment mandatory to include, at least once, the invoice date.				
Conditionally, you can add another to indicate service date. This date is mandatory if you don't indicate dispatch advice message date.				
Example of document date: DTM+137:20200301:102'				
Example of bill of lading date: DTM+95E:20200301:102'				
RFF - References				
C506-1153	Mandatory	Reference qualifier	ON = Order number (purchase) DQ = Delivery note number IV = Original Invoice Number	ON
C506-1154	Mandatory	Reference number		567
Mandatory to use this segment two times. Once to indicate the order number and another for the delivery note.				
The IV qualifier is only used for Credit Notes. It is mandatory when the value 381 is indicated in the BGM.				
Example: RFF+ON:567'				

Element	Status	Description	Code values	Example
DTM - Date/Time/Period				
C507-2005	Conditional	Date/time/period qualifier	171 = Reference date/time	171
C507-2380	Conditional	Date/time/period		20200225
C507-2379	Conditional	Date/time/period format qualifier	102 = CCYYMMDD	102
Mandatory to use this segment to indicate the date of the delivery note. Used after the RFF with DQ qualifier				
Mandatory to use this segment if the segment RFF+IV (Original invoice number) is sent. The DTM must be submitted with the original invoice date.				
Example: DTM+171: 20200225:102'				

Element	Status	Description	Code values	Example
NAD - Name and Address				
3035	Mandatory	Party qualifier	SCO = Supplier corporate organization BCO = Buyer corporate organization BY = Buyer (requester) SU = Supplier (requestee) IV = Invoice DP = Delivery party	BY
C082-3039	Mandatory in all cases	Party identification (GLN, Global Location Number), in format EAN-13.		8436551860008
C082-3055	Mandatory	Code list responsible agency, coded	9 = EAN	9
C080-3036 (the first two 3036)	Mandatory SCO, BCO, II, IV	Party name		AMETLLER ORIGEN
C080-3036 (third and fourth 3036)	Mandatory SCO & IV	Tribunal place registration number		
C059-3042	Mandatory SCO, BCO, II, IV	Party address		Av. Mare de Déu de Montserrat, 71-77
3164	Mandatory SCO, BCO, II, IV	City name		Olerdola
3251	Mandatory SCO, BCO, II, IV	Postcode identification		08799

Element	Status	Description	Code values	Example
Mandatory segment for buyer corporate organization (BCO) and the supplier corporate organization (SCO).), supplier (SU), buyer (BY), invoice (IV), issuer of invoice (II) and delivery party (DP). Indicate the payer (PR) if different from the invoicee (IV), and the payee (PE) if different from the issuer of invoice (II).				
Example: NAD+BY+8436551860008::9++ AMETLLER ORIGEN+Av. Mare de Déu de Montserrat, 71-77+Olerdola++08799'				
RFF - References				
C506-1153	Mandatory	Reference qualifier	VA = VAT registration number	VA
C506-1154	Mandatory	Reference number		B62591359
Mandatory to use VAT registration number after NAD segments that identify the buyer corporate organization (BCO) and supplier corporate organization (SCO).				
Example: RFF+VA:B62591359'				
CUX - Currencies				
C504-6347	Mandatory	Currency details qualifier	2 = Reference currency	2
C504-6345	Mandatory	Currency, coded	EUR = Euros	EUR
C504-6343	Mandatory	Currency qualifier	4 = Invoicing currency	4
Conditional segment to indicate currency of the invoice. If not included, use Euro.				
Example: CUX+2:EUR:4'				

Element	Status	Description	Code values	Example
PAT - Payment terms basis				
4279	Conditional	Payment terms type qualifier	10E or 35 = Nonstandard 21 = Payment by instalment	35
Segment to specify the invoice payment terms.				
Example: PAT+35'				
DTM - Date/Time/Period				
C507-2005	Conditional	Date/time/period qualifier	13 = Terms net due date	13
C507-2380	Conditional	Date/time/period		20200401
C507-2379	Conditional	Date/time/period format qualifier	102 = CCYYMMDD	102
Segment related to the previous to indicate the invoice date.				
Example: DTM+13:20190401:102'				
MOA - Monetary amounts				
C516-5025	Conditional	Monetary amount type qualifier	23 = Charge amount	23
C516-5004	Conditional	Monetary amount		2324.3
Segment related with previous PAT-DTM to indicate the invoice amount.				
Example: MOA+23:2324.3'				

9.2. Detail Section

Element	Status	Description	Code values	Example
LIN - Line item header				
1082	Mandatory	Line item number		1
C212-7140	Mandatory	Item number GTIN (EAN)		8400000000001
C212-7143	Mandatory	Item number type, coded	EN = EAN	EN
Mandatory segment of detail section header to identify item with its GTIN (Global Trade Identification Number) code, in EAN-13 format.				
Example: LIN+1++8400000000001:EN'				
PIA - Additional product ID				
4347	Mandatory	Product id. function qualifier	1 = Additional identification	1
C212-7140	Mandatory	Item number		12375
C212-7143	Mandatory	Item number type, coded	SA = Supplier's article number	SA
Conditional segment to indicate additional product information, if necessary.				
Example: PIA+1+12375:SA'				
IMD - Item description				
7077	Mandatory	Item description type, coded	F = Free form	F
C272-7081	Conditional	Item characteristic, coded	M = Merchandise	M
C273-7008	Mandatory	Item description (in free text)		DESCRIPTION
Mandatory segment to indicate a description of the items in free form.				
Example: IMD+F+M+:::DESCRIPTION'				

Element	Status	Description	Code values	Example
QTY - Quantities				
C186-6063	Mandatory	Quantity qualifier	47 = Invoiced quantity	47
C186-6060	Mandatory	Quantity		15
C186-6411	Conditional	Measure unit qualifier	KGM = Kilogram PCE = Units (Pieces) LTR = Liter	PCE
Should be used at least once to indicate the invoiced quantity.				
Example: QTY+47:15:PCE'				
MOA - Monetary amounts				
C516-5025	Mandatory	Monetary amount type qualifier	66 = Goods item total	66
C516-5004	Mandatory	Monetary amount		135
Mandatory to indicate line amounts.				
Example: MOA+66:135'				

Element	Status	Description	Code values	Example
PRI - Price details				
C509-5118	Mandatory	Price qualifier	AAA = Calculation net AAB = Calculation gross	AAA
C509-5125	Mandatory	Price		9
Mandatory to use two segments of this type. One to indicate calculation gross, the other for the calculation net (including allowances).				
Example: PRI+AAA:9'				
RFF - References				
C506-1153	Mandatory	Reference qualifier	LI = Line item reference number	LI
C506-1154	Mandatory	Reference number		10
Reference of the article line of the previous document.				
Example: RFF+LI:10'				
TAX - Duty/Tax/Fee details				
5283	Mandatory	Duty/tax/fee function qualifier	7 = Tax	7
C241-5153	Mandatory	Duty/tax/fee type, coded	VAT = VAT	VAT
C243-5278	Mandatory	Duty/tax/fee detail		21
Mandatory segment to indicate the tax or taxes applied to the detail section.				
Example: TAX+7+VAT+++:::21'				

Element	Status	Description	Code values	Example
MOA - Monetary amounts				
C516-5004	Mandatory	Monetary amount type qualifier	124 = Tax amount	21.6
C516-5025	Mandatory	Monetary amount		124
This segment is used after the TAX to indicate the total amount of the tax applied.				
Example: MOA+124:21.6'				

9.3. Summary Section

Element	Status	Description	Code values	Example
UNS - Section control of the line and summary				
0081	Mandatory	Section identification	S = Detail / summary separator	S
Mandatory segment				
Example: UNS+S' MOA - Monetary amounts				
MOA - Monetary amounts				
C516-5025	Mandatory	Monetary amount type qualifier	79 = Total line items amount 125 = Taxable amount 176 = Message total duty/tax/fee amounts 139 = Total payment amount	79
C516-5004	Mandatory	Monetary amount		135
<p>Mandatory segment used various times to indicate the total amounts of the invoice. It is mandatory to indicate:</p> <p>Total line items amount (79): sum of the net amount of each line (take into account the charges and allowances of each line but not the total).</p> <p>Taxable amount (125): total net amount + total charges - total allowances (79+259-260)</p> <p>Message total duty/tax/fee amounts (176): total VAT, IGIC and equivalence surcharge.</p>				
Example: MOA+79:135'				

Element	Status	Description	Code values	Example
TAX - Duty/tax/fee details				
5283	Mandatory	Duty/tax/fee function qualifier	7 = Tax	7
C241-5153	Mandatory	Duty/tax/fee type, coded	VAT = VAT	VAT
C243-5278	Mandatory	Tax rate		21
Mandatory segment used to specify the tax or taxes of the invoice. A segment should be used for each different tax and percentage, followed by a MOA segment to indicate the tax amount or other type of duty for the taxable base.				
Example: TAX+7+VAT+++:::21'				
MOA - Monetary amounts				
C516-5025	Mandatory	Monetary amount type qualifier	124 = Tax amount 125 = Taxable amount	124
C516-5004	Mandatory	Monetary amount		21.6
Use this segment after the TAX segment to indicate the total tax amount or taxable amount, both mandatory.				
Example: MOA+124:21.6'				
UNT - End of message				
0074	Mandatory	Number of segments in the message		52
0062	Mandatory	Message reference number (assigned by the sender)		12345
Mandatory segment that indicates the end of the message.				
Example: UNT+52+12345'				

9.4. Example of an INVOIC message

UNH+12345+INVOIC:D:93A:UN:EAN007'
BGM+380+123+9'
DTM+137:20190731:102'
RFF+ON:4500001387'
RFF+DQ:A4500001387'
NAD+MS+8429568009997::9++9'
NAD+MR+8436551860008::9++9'
NAD+BY+8436551860008::9++ AMETLLER ORIGEN+Av. Mare de Déu de Montserrat, 71-77+Olerdola++08799'
NAD+IV+8436551860008::9++9'
NAD+SU+8429568009997::9++9'
NAD+DP+8436551868011::9++9'
CUX+2:EUR:4'
LIN+1+++8400000000001:EN'
PIA+1+20435:SA'
PIA+1+12:IN'
IMD+F+M+:::ITEMDESCRIPTION1'
QTY+47:1920:KGM'
MOA+66:1920.00'
MOA+98:1920.00'
PRI+AAA:1.00'
RFF+LI:10'
TAX+7+VAT+++:::10'
MOA+124:192.00'
LIN+2++8400000000001:EN'
PIA+1+20332:SA'
PIA+1+12:IN'
IMD+F+M+:::ITEMDESCRIPTION2'
QTY+47:6720:KGM'
MOA+66:6720.00'
MOA+98:6720.00'
PRI+AAA:1.00'
RFF+LI:20'

TAX+7+VAT+++:::4'
MOA+124:268.80'
UNS+S'
CNT+2:2'
MOA+79:8640.00'
MOA+125:8640.00'
MOA+139:9100.80'
MOA+176:460.80'
TAX+7+VAT+++:::4'
MOA+124:268.80'
MOA+125:6720.00'
TAX+7+VAT+++:::10'
MOA+124:192.00'
MOA+125:1920.00'
UNT+47+12345'

10. Versions of the document

Version 1.a, published 15/05/2019

- Initial version ORDERS

Version 1.b, published 09/07/2019

- Initial version DESADV

Version 1.c, published 09/08/2019

- Initial version RECADV and INVOIC

Version 1.d, published 16/08/2020

- The RFF + DQ segment at the line level and the CNT segment are added to the RECADV.
- ALI segment added to ORDERS.
- Correction of errors in documents.
- Correction of examples in DESADV and INVOIC message.

Version 1.e, published 09/09/2020

- The qualifier 195 is changed in the RECADV document to the 12 qualifiers on QVR segment.

Version 1.f, published 12/11/2020

- Correction of examples in INVOIC message.

Version 1.g, published 15/06/2021

- Company name (eDiversa Group) and logo update.

Version 1.h. published 12/12/2022

It's added to the INVOIC:

- ▶ Qualifier 381 to the BGM (Credit Note).
- ▶ RFF+IV in header (Original invoice number).
- ▶ Note in the DTM for Credit Notes.