EDI IMPLEMENTATION GUIDELINE

GLOBAL DELFOR

DELFOR EDIFACT D04A

VERSION 1.1 – 24/11/2020

SOMMAIRE

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1 THE DELFOR MESSAGE

1.1 INTRODUCTION

This document provides the definition of a Delivery Instruction Message, based on the EDIFACT DELFOR D04.A, to be used in Electronic Data Interchange (EDI) between a VALEO Operating Company and its Trading Partners.

This documentation is intended to be fully comprehensive and allows the implementation of the EDIFACT DELFOR without the necessity for any additional standard related documentation.

1.2 STATUS

MESSAGE TYPE	: DELFOR
REFERENCE DIRECTORY	: D04.A
VALEO SUBSET VERSION	:

1.3 DEFINITION

The DELFOR message (DELIVERY FORECAST) is the way to express forward-looking needs concerning all supplying modes: "consumption renewal" or "anticipated consumption". In addition, it may be used to express firm deliveries orders in the case of "anticipated consumption" supplying mode.
In the case of "consumption renewal", shipping instructions will be provided in an additional call-off message.

1.4 PRINCIPLES

The main message running rules are the following:

"Anticipated Consumption": the sending schedule is always of "supersede" type on each article/order line level. It means that all the previous quantities/dates of the articles/orders concerned by the schedule are superseded and replaced by the quantities/dates stated in the schedule.

"Consumption Renewal": the sending schedule is always of "supersede" type on each article/order line level.

Quantities/dates expressed in the QTY segment of the Delivery Schedule Detail Section with qualifier 83 are the backorder quantities.

Quantities/dates expressed in the QTY segment of the Delivery Schedule Detail Section with qualifier 113 are the quantities to be delivered.

Both quantities/dates here above mentioned are based on the sum of receipt and/or on the last delivery note received at VALEO.

For parts supplied as "Anticipated Consumption", DELFOR is used as:

- Delivery Order (SCC 4017=1),
- Commitment for manufacturing and material planning (SCC 4017 = 2),
- Forecast (SCC 4017=4).

For parts supplied as “Consumption Renewal”, DELFOR contains only Forecast and SCC 4017 data will only contain the value 4.

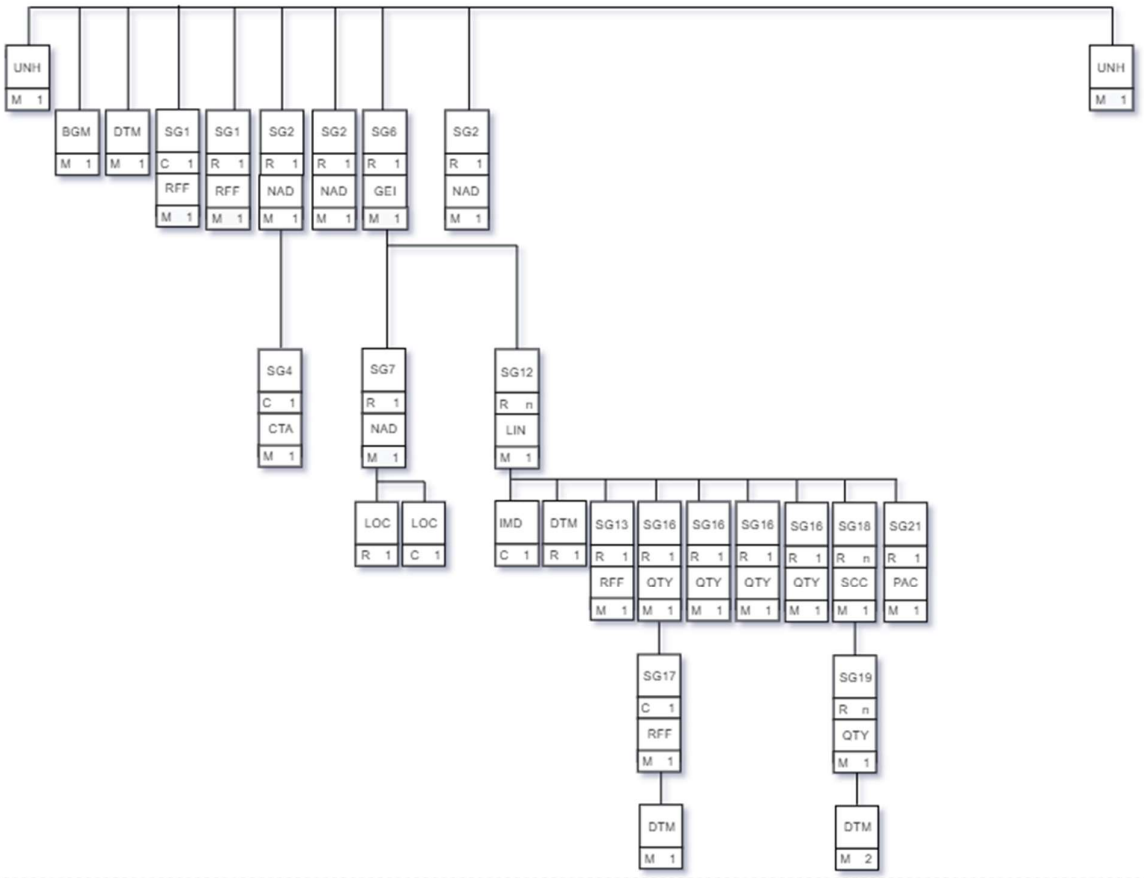
2 MESSAGE STRUCTURE CHART

2.1 DELFOR MESSAGE STRUCTURE

Delivery Schedule Heading Section				
UNB		M	1	INTERCHANGE HEADER
UNH	1	M	1	MESSAGE HEADER
BGM	2	M	1	Beginning of message
DTM	3	M	1	Date/time/period (137)
SG1		C	1	RFF
RFF	4	M	1	Reference (ACW)
SG1		R	1	RFF
RFF	5	M	1	Reference (ADE)
SG2		R	1	NAD-SG4
NAD	6	M	1	Name and address (SE)
SG4		C	1	CTA
CTA	7	M	1	Contact information (IC)
SG2		R	1	NAD
NAD	8	M	1	Name and address (BY)
SG6		R	1	GEI-SG7-SG12
GEI	9	M	1	Processing information
SG7		R	1	NAD-LOC
NAD	10	M	1	Name and address (CN)
LOC	11	M	1	Location identification with loc_3227 = 11
LOC	12	C	1	Location identification with loc_3227 = 159
SG12		R	9999	LIN-IMD-DTM-SG13-SG16-SG18
LIN	13	M	1	Line item
PIA	14	C	1	Additional Product id
IMD	14	C	1	Item description
DTM	15	R	1	Date/time/period (257)
SG13		R	1	RFF
RFF	16	M	1	Reference (ON)
SG16		R	1	QTY-SG17
QTY	17	M	1	Quantity (12)
SG17		C	1	RFF-DTM
RFF	18	M	1	Reference (AAK)
DTM	19	M	1	Date/time/period (171)
SG16		R	1	QTY
QTY	20	M	1	Quantity (78)

SG16		R	1	QTY
QTY	21	M	1	Quantity (70)
SG16		R	1	QTY
QTY	22	M	1	Quantity (83)
SG18		R	999	SCC-SG19
SCC	23	M	1	Scheduling conditions
SG19		R	999	QTY-DTM
QTY	24	M	1	Quantity (113)
DTM	25	R	1	Date/time/period (64)
DTM	26	R	1	Date/time/period (63)
SG21		R	1	PAC
PAC		R	1	Package
Delivery Schedule Summary Section				
UNT	27	M	1	MESSAGE TRAILER
UNZ		M	1	INTERCHANGE TRAILER

3.1 MESSAGE STRUCTURE CHART



4 SEGMENTS DESCRIPTION

4.1 SEGMENTS DESCRIPTION

Delivery Schedule Heading Section

UNB - M 1 - INTERCHANGE HEADER
This segment is used to start, identify and specify an interchange.

UNH - M 1 - MESSAGE HEADER
This segment is used to head, identify and specify a message.

BGM - M 1 - Beginning of message
This segment is used to indicate the type and function of a message and to transmit the identifying number.

DTM - M 1 - Date/time/period
This segment is used to specify the Date/time/period related to the whole message.

SG1 - C 1 - RFF
A group of segments giving references relevant to the whole message, e.g. contract number.

RFF - M 1 - Reference
A segment for referencing documents relating to the whole Delivery Schedule Message, e.g. contract, import/export license.

SG1 - R 1 - RFF
A group of segments giving references relevant to the whole message, e.g. contract number.

RFF - M 1 - Reference
A segment for referencing documents relating to the whole Delivery Schedule Message, e.g. contract, import/export license.

SG2 - R 1 - NAD-SG3-**SG4**
A group of segments identifying parties by their names, addresses, locations, references and contacts relevant to the whole Delivery Schedule.

NAD - M 1 - Name and address
This segment is used to indicate the trading parties involved in the Delivery Schedule process. Identification of buyer and supplier is mandatory in the delivery schedule.

SG4 - C 1 - CTA
A group of segments to identify person, functions, or departments and appropriate numbers to whom communication should be directed.

CTA - M 1 – Contact information
A segment to identify the person, function, or department to whom communication should be directed.

SG2 - R 1- NAD
A group of segments identifying names, addresses, locations, and contacts relevant to the whole Delivery Schedule.

NAD - M 1 - Name and address
This segment is used to indicate the trading parties involved in the Delivery Schedule process. Identification of buyer and supplier is mandatory in the delivery schedule.

SG6 - R 9999 - GEI-SG7-SG12
A group of segments providing details on delivery points and products and related information using one of both scheduling methods

GEI - M 1 - Processing information
A segment to indicate by the relevant processing indicator code which scheduling method is used

SG7 - R 1 - NAD-LOC
A group of segments needed to identify a delivery point and its attached information when the delivery point method is used

NAD - M 1 - Name and address
A segment for identifying the consignee

LOC - R 1 - Place/Location identification
A segment identifying a specific location at the consignee address to which product, as specified in the LIN-Segment groups, should be delivered.

LOC - C 1 - Place/Location identification
A segment identifying a specific location at the consignee address to which product, as specified in the LIN-Segment groups, should be delivered.

SG12 - R (9999) - LIN-IMD-DTM-SG13-SG16-SG18
A group of segments providing details of the individual line items for both methods

LIN - M 1 - Line item
A segment identifying the details of the product or service to be delivered,e.g. product identification. All other segments in the detail section following the LIN segment refer to the line item

IMD - C 1 - Item description
A segment for describing the product or the service to be delivered. This segment should be used for products that cannot be identified by a product code or article number

DTM R 1 - Date/time/period
Date/time/period associated with the line item, such as the date of the engineering change

SG13 - R 1 - RFF
A group of segments giving references related to the line item and where necessary, their dates.

RFF - M 1 - Reference
A segment for identifying references to the linen e.g. a contract and its appropriate line item, original message number, previous message number if different per line item

SG16 - R1 - QTY-DTM**-SG17**
A group of segments specifying product quantities and associated dates not related to schedules and where relevant, references

QTY - M 1 - Quantity
A segment to specify pertinent quantities not related to schedule(s) e.g. cumulative quantity, last quantity considered

SG17 - C 1 - RFF-DTM
A segment for identifying reference to the quantity, e.g. despatch advice number

RFF - M 1 - Reference
This segment is used to provide reference numbers related to the specified quantity and dates.

DTM - M 1 - Date/time/period
Date/time/period of the reference

SG16 - R1 – QTY
A group of segments specifying product quantities and associated dates not related to schedules and where relevant, references

QTY - M 1 - Quantity
A segment to specify pertinent quantities not related to schedule(s) e.g. cumulative quantity, last quantity considered

SG16 - R1 – QTY
A group of segments specifying product quantities and associated dates not related to schedules and where relevant, references

QTY - M 1 - Quantity
A segment to specify pertinent quantities not related to schedule(s) e.g. cumulative quantity, last quantity considered

SG16 - R1 – QTY
A group of segments specifying product quantities and associated dates not related to schedules and where relevant, references

QTY - M 1 - Quantity
A segment to specify pertinent quantities not related to schedule(s) e.g. cumulative quantity, last quantity considered

SG18 - R 999 - SCC-SG19
A group of segments specifying the schedule information for the product identified in the LIN segment. With the delivery point driven method this segment group provides the schedule for the identified delivery point and product. With the product driven method this segment group can be used to summarise all schedules provided with the subsequent delivery point information.

SCC - M 1 - Scheduling conditions
A segment specifying the status of the schedule. Optionally a delivery pattern can be established, e.g. firm or proposed delivery pattern

SG19 – R 999 – QTY-DTM
A group of segments specifying product quantities and associated dates.

QTY - M 1 - Quantity
A segment to specify pertinent quantities which may relate to schedule(s) and, or pattern established in the SCC segment, e.g. delivery quantity for a specified date

DTM - R 2 - Date/time/period
A segment indicating date/time/period details relating to the given quantity

SG21 - R 1 - PAC
A group of segments identifying the packaging, physical dimensions, and marks and numbers for goods referenced in the line item to be delivered.

PAC - M 1 - Package
A segment specifying the number of package units and the type of packaging for the line item, e.g. pallet.

UNT - M 1 - MESSAGE TRAILER
A service segment ending a message, giving the total number of segments in the message (including the UNH & UNT) and the control reference number of messages.

UNZ - M 1 – INTERCHANGE TRAILER
This segment is a mandatory UN/ODETTE segment. It must always be the last segment in the interchange.

5 SEGMENTS LAYOUT

This section describes each segment used in the VALEO Needs Expression message. The original ODETTE segment layout is listed. The appropriate comments relevant to the VALEO subset are indicated.

Note:

1. The segments are presented in the sequence in which they appear in the message. The segment or segment group tag is followed by the (M)andatory / (C)onditional indicator, the maximum number of occurrences and the segment description. The conditional indicator may be completed by a (R)equired when the segment is intended to be systematically used by VALEO for its business or transmission needs.

2. Reading from left to right, in column one, the data element tags and descriptions are shown, followed by in the second column the ODETTE status (M or C), the field format, and the picture of the data elements. These first pieces of information constitute the original ODETTE segment layout.

Following the ODETTE information, VALEO specific information is provided in the third and fourth columns. In the third column a status indicator for the use of (C)onditional ODETTE data elements (see 2.1 through 2.3 below), and in the fourth column notes and code values used for specific data elements in the message.

2.1 (M)andatory data elements in ODETTE segments retain their status in VALEO.

2.2 Additionally, there are two types of status for data elements with a (C)onditional ODETTE status, whether for simple, component or composite data elements. These are listed below and can be identified when relevant by the following abbreviations:
- REQUIRED (R): Indicates that the entity is required and must be sent.
- NOT USED (N): Indicates that the entity is not used and should be omitted.

2.3 If a composite is flagged as N, NOT USED, all data elements within that composite will have blank status indicators assigned to them.

UNB - M	1 - INTERCHANGE HEADER			
Function : To start, identify and specify an interchange				
		ODETTE	VALEO	Description
S001	**SYNTAX IDENTIFIER**	M	**M**	
0001	**Syntax indentifier**	M a4	**M**	UNOA : UN/ECE level A . As defined in ISO 9735
0002	**Syntax version number**	M n1	**M**	**3**
S002	**INTERCHANGE SENDER**	M	**M**	
0004	**Sender Identification**	M an..35	**M**	Valeo EDI Address
0007	Partner identification code qualifier	C an..4		
0008	Address for reverse routing	C an..14		
S003	**INTERCHANGE RECIPIENT**	M	**M**	
0010	**Recipient Identification**	M an..35	**M**	Partner EDI Address
0007	Partner identification code qualifier	C an..4		
0014	Routing address	C an..14		
S004	**DATE/TIME OF PREPARATION**	M	**M**	
0017	**Date of preparation**	M n6	**M**	
0019	**Time of preparation**	M n6	**M**	
0020	**INTERCHANGE CONTROL REFERENCE**	M an..14	**M**	
S005	RECIPENT'S REFERENCE PASSWORD	C	N	
0022	Recipient's reference/password	M an..14		
0025	Recipient's reference/password qualifier	C an 2		
0026	**Application reference**	C an..14	**R**	DELFOR
0029	Processing priority code	C a1	N	
0031	Acknowledgement request	C n1	N	
0032	Communications agreement ID	C an..35	N	
0035	**Test indicator**	C n1	**C**	

Segment Notes.

This segment is used to start, identify and specify an interchange.

Example :

UNB+UNOA:3+SENDER+RECEIVER+201124:1100+000000100++DELFOR

UNH - M	**1 - MESSAGE HEADER**			
Function : To head, identify and specify a message. Segment number : 1				
		EDIFACT	VALEO	Description
0062	**Message reference number**	M an..14	**M**	Sender's unique message reference. Sequence number of messages in the interchange. DE0062 in the UNT will have the same value.
S009	**MESSAGE IDENTIFIER**	M	**M**	
0065	**Message type identifier**	M an..6	**M**	DELFOR = Delivery schedule message
0052	**Message type version number**	M an..3	**M**	D = Draft directory
0054	**Message type release number**	M an..3	**M**	04A = Version 04A
0051	**Controlling agency**	M an..2	**M**	UN=UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)
0057	**Association assigned code**	C an..6	**R**	????????????????
0110	Code list directory version number	C an..6		
0113	Message type sub_function Identification	C an..6		
0068	Common access reference	C an..35	N	
S010	STATUS OF THE TRANSFER	C	N	
0070	Sequence message transfer number	M n..2		
0073	First/last sequence message transfer indication	C a1		
S016	MESSAGE SUBSET IDENTIFICATION	C	N	
0115	Message subset Identification	M an..14		
0116	Message subset version number	C an..3		
0118	Message subset release number	C an..3		
0051	Controlling agency, coded	C an..3		
S018	SCENARIO IDENTIFICATION	C	N	
0127	Scenario Identification	M an..14		
0128	Scenario version number	C an..3		
0130	Scenario release number	C an..3		
0051	Controlling agency, coded	C an..3		

Segment Notes.

This segment is used to head, identify and specify a message.

DE's 0065, 0052, 0054, and 0051: indicate that the message is a UNSM Delivery Schedule message based on theD.96A directory under the control of the United Nations.

Example :

UNH+1+DELFOR:D:04A:UN

BGM - M	**1 - Beginning of message**			
Function : To indicate the type and function of a message and to transmit the identifying number. Segment number : 2				
		EDIFACT	VALEO	Description
C002	**DOCUMENT/MESSAGE NAME**	C	**R**	
1001	**Document/message name, coded**	C an..3	**R**	241 = Delivery Schedule
1131	Code list qualifier	C an..17	N	
3055	Code list responsible agency, coded	C an..3	N	
1000	Document/message name	C an..35	N	
C106	**DOCUMENT/MESSAGE IDENTIFICATION**	C	**R**	
1004	**Document/message number**	C an..35	**R**	Delivery schedule number assigned by VALEO.
1056	Version Identifier	C an..9	N	
1060	Revision Identifier	C an..6	N	
1225	Message function, coded	C an..3	N	
4343	Response type, coded	C an..3	N	
Segment Notes. Example: BGM+241+125				

DTM - M	**1 - Date/time/period**			
Function : To specify date, and/or time, or period. Segment number : 3				
		EDIFACT	VALEO	Description
C507	**DATE/TIME/PERIOD**	M	**M**	
2005	**Date/time/period qualifier**	M an..3	**M**	137 = Document/message date/time
2380	**Date/time/period**	C an..35	**R**	
2379	**Date/time/period format qualifier**	C an..3	**R**	102 = CCYYMMDD

Segment Notes.

Example :

DTM+137:20201124:102

SG1 - C	**RFF**			
RFF - M	1 - Reference			
Function : To specify a reference. Segment number : 4				
		EDIFACT	VALEO	Description
C506	**REFERENCE**	M	**M**	
1153	**Reference qualifier**	M an..3	**M**	ACW = Reference number to previous message
1154	**Reference number**	C an..70	**R**	
1156	Line number	C an..6	N	
4000	Reference version number	C an..35	N	
1060	Revision Identifier	C an..6	N	
Segment Notes. Example : RFF+ACW:124				

SG1 - R	**RFF**			
RFF - M	**1 - Reference**			
Function : To specify a reference. Segment number : 5				
		EDIFACT	VALEO	Description
C506	**REFERENCE**	M	**M**	
1153	**Reference qualifier**	M an..3	**M**	ADE = Account number id
1154	**Reference number**	C an..70	**R**	
1156	Line number	C an..6	N	
4000	Reference version number	C an..35	N	
1060	Revision Identifier	C an..6	N	
Segment Notes. Example : RFF+ADE:0000058292				

SG2 - R		**NAD-**SG3-SG4		
NAD - M		**1 - Name and address**		
Function : To specify the name/address and their related function Segment number : 6				
		EDIFACT	VALEO	Description
3035	**Party qualifier**	M an..3	**M**	SE = Seller
C082	**PARTY IDENTIFICATION DETAILS**	C	**R**	
3039	**Party id. identification**	M an..35	**M**	VALEO internal number of the seller
1131	Code list qualifier	C an..17	N	
3055	**Code list responsible agency, coded**	C an..3	**R**	**92=code assigned by buyer**
C058	NAME AND ADDRESS	C	N	
3124	Name and address line	M an..35		
3124	Name and address line	C an..35		
3124	Name and address line	C an..35		
3124	Name and address line	C an..35		
3124	Name and address line	C an..35		
C080	**PARTY NAME**	C	**R**	
3036	**Party name**	M an..35	**M**	Seller name, clear text
3036	Party name	C an..35	N	
3036	Party name	C an..35	N	
3036	Party name	C an..35	N	
3036	Party name	C an..35	N	
3045	Party name format, coded	C an..3	N	
C059	**STREET**	C	**C**	
3042	**Street and number/p.o. box**	M an..35	**M**	
3042	Street and number/p.o. box	C an..35		
3042	Street and number/p.o. box	C an..35		
3042	Street and number/p.o. box	C an..35		
3164	**City name**	C an..35	**C**	
C819	COUNTRY SUB-ENTITY DETAILS	C	N	
3229	Country sub-entity name code	C an..9		
1131	Code list Identification code	C an..17		
3055	Code list responsible agency code	C an..3		
3228	Country sub-entity name	C an..70		

3251	**Postcode identification**	C an..17	**C**	
3207	**Country, coded**	C an..3	**C**	

Segment Notes.This segment is used to indicate the trading parties involved in the Delivery Schedule process. Identification of buyer and supplier is mandatory in the delivery schedule.

Example :

NAD+SE+0000058292::92++SELLER NAME+*STREET+CITY NAME++POSTCODE+COUNTRY*'

SG2 - R		NAD-SG3-**SG4**		
SG4 – C		**CTA**		
CTA - M		**1 - Contact information**		
Function : To indentify the person or a department to whom communication should be directed. Segment number : 7				
		EDIFACT	VALEO	Description
3139	**Contact function, coded**	C an..3	**R**	IC = Information Contact
C056	**DEPARTMENT OR EMPLOYEE DETAILS**	C	**R**	
3413	**Department or employee identification**	C an..17	**R**	
3412	**Department or employee**	C an..35	**R**	

Segment Notes.

This segment is used to indicate To identify a person or a department to whom communication should be directed

Example :

CTA+IC+001:EMPLOYEE

SG2 - R	NAD			
NAD - M	1 - Name and address			
Function : To specify the name/address and their related function Segment number : 8				
		EDIFACT	VALEO	Description
3035	**Party qualifier**	M an..3	**M**	BY = Buyer
C082	**PARTY IDENTIFICATION DETAILS**	C	**R**	
3039	**Party id. identification**	M an..35	**M**	VALEO Odette code or Valeo Plant code
1131	Code list qualifier	C an..17	N	
3055	**Code list responsible agency, coded**	C an..3	**R**	10=Odette code or 92=Assigned by Buyer
C058	NAME AND ADDRESS	C	N	
3124	Name and address line	M an..35		
3124	Name and address line	C an..35		
3124	Name and address line	C an..35		
3124	Name and address line	C an..35		
3124	Name and address line	C an..35		
C080	**PARTY NAME**	C	**R**	
3036	**Party name**	M an..35	**M**	Buyer name, clear text
3036	Party name	C an..35	N	
3036	Party name	C an..35	N	
3036	Party name	C an..35	N	
3036	Party name	C an..35	N	
3045	Party name format, coded	C an..3	N	
C059	**STREET**	C	**C**	
3042	Street and number/p.o. box	M an..35		
3042	Street and number/p.o. box	C an..35		
3042	Street and number/p.o. box	C an..35		
3042	Street and number/p.o. box	C an..35		
3164	**City name**	C an..35	**C**	

C819	COUNTRY SUB-ENTITY DETAILS	C	N	
3229	Country sub-entity name code	C an..9		
1131	Code list Identification code	C an..17		
3055	Code list responsible agency code	C an..3		
3228	Country sub-entity name	C an..70		
3251	**Postcode identification**	C an..17	**C**	
3207	**Country, coded**	C an..3	**C**	

Segment Notes.

Example :

NAD+BY+1111111111111::10++BUYER+*STREET+CITY NAME++POSTCODE+COUNTRY*

SG6 - R		**GEI-**SG7-SG12		
GEI- M		**1 – Processing Information**		
Function : To indicate by the relevant processing indicator code which scheduling method used Segment number : 9				
		EDIFACT	VALEO	Description
9649	**PROCESSING INFORMATION CODE QUALIFIER**	M an..3	**M**	3 = Scheduling type information
C012	**PROCESSING INDICATOR**	C	**R**	
7365	**Processing indicator description code**	C an..3	**R**	37 = complete information
1131	Code list identification code	C an..17	N	
3055	Code list responsible agency code	C an..3	N	
7364	Processing indicator description	C an..35	N	
7187	Process type description code	C an..17	N	
Segment Notes. Example : GEI+3+37				

SG6 - R	GEI-**SG7**-SG12			
SG7- R	**NAD**-LOC			
NAD - M	**1 - Name and address**			
Function : To specify the name/address and their related function. Segment number : 10				
		EDIFACT	VALEO	Description
3035	**Party qualifier**	M an..3	**M**	CN = Consignee
C082	**PARTY IDENTIFICATION DETAILS**	C	**R**	
3039	**Party id. identification**	M an..35	**M**	VALEO Odette code or Valeo Plant code
1131	Code list qualifier	C an..17	N	
3055	**Code list respons agency, coded**	C an..3	**R**	10=Odette code 92=Assign by buyer
C058	NAME AND ADDRESS	C	N	
3124	Name and address line	M an..35		
3124	Name and address line	C an..35		
3124	Name and address line	C an..35		
3124	Name and address line	C an..35		
3124	Name and address line	C an..35		
C080	**PARTY NAME**	C	**R**	
3036	**Party name**	M an..35	**M**	Name of the plant, clear text
3036	Party name	C an..35	N	
3036	Party name	C an..35	N	
3036	Party name	C an..35	N	
3036	Party name	C an..35	N	
3045	Party name format, coded	C an..3	N	
C059	**STREET**	C	**C**	
3042	Street and number/p.o. box	M an..35		
3042	Street and number/p.o. box	C an..35		
3042	Street and number/p.o. box	C an..35		
3042	Street and number/p.o. box	C an..35		
3164	**City name**	C an..35	**C**	
C819	COUNTRY SUB-ENTITY DETAILS	C	N	

3229	Country sub-entity name code	C an..9		
1131	Code list Identification code	C an..17		
3055	Code list responsible agency code	C an..3		
3228	Country sub-entity name	C an..70		
3229	Country sub-entity identification	C an..9	N	
3251	**Postcode identification**	C an..17	**C**	
3207	**Country, coded**	C an..3	**C**	

Segment notes:

Example :

NAD+CN+1111111111111::10++CONSIGNEE+*STREET+CITY NAME++POSTCODE+COUNTRY*

SG6 -R		GEI-**SG7-**SG12		
SG7- R		NAD-**LOC**		
LOC - M		**1 - Place/location identification**		
Function : To identify a country/place/location/related location one/related location two. Segment number : 11				
		EDIFACT	VALEO	Description
3227	**Place/location qualifier**	M an..3	**M**	11 = unloading point
C517	**LOCATION IDENTIFICATION**	C	**R**	
3225	**Place/location identification**	C an..35	**R**	VALEO codification of the unloading point
1131	Code list qualifier	C an..17	N	
3055	Code list responsible agency, coded	C an..3	N	
3224	Place/location	C an..256	N	
C519	RELATED LOCATION ONE IDENTIFICATION	C	N	
3223	Related place/location one identification	C an..25		
1131	Code list qualifier	C an..17		
3055	Code list responsible agency, coded	C an..3		
3222	Related place/location one	C an..70		
C553	RELATED LOCATION TWO IDENTIFICATION	C	N	
3233	Related place/location two identification	C an..25		
1131	Code list qualifier	C an..17		
3055	Code list responsible agency, coded	C an..3		
3232	Related place/location two	C an..70		

5479	Relation, coded	C an..3	N	

Segment Notes.

Example :

LOC+11+Unloading Point

SG6 -R		GEI-**SG7**-SG12		
SG7- R		NAD-**LOC**		
LOC - C		**1 - Place/location identification**		
Function : To identify a country/place/location/related location one/related location two. Segment number : 12				
		EDIFACT	VALEO	Description
3227	**Place/location qualifier**	M an..3	**M**	159 = Consumption Point
C517	**LOCATION IDENTIFICATION**	C	**R**	
3225	**Place/location identification**	C an..35	**R**	VALEO codification of the Additional internal destination point
1131	Code list qualifier	C an..17	N	
3055	Code list responsible agency, coded	C an..3	N	
3224	Place/location	C an..256	N	
C519	RELATED LOCATION ONE IDENTIFICATION	C	N	
3223	Related place/location one identification	C an..25		
1131	Code list qualifier	C an..17		
3055	Code list responsible agency, coded	C an..3		
3222	Related place/location one	C an..70		
C553	RELATED LOCATION TWO IDENTIFICATION	C	N	
3233	Related place/location two identification	C an..25		
1131	Code list qualifier	C an..17		
3055	Code list responsible agency, coded	C an..3		
3232	Related place/location two	C an..70		

5479	Relation, coded	C an..3	N	

Segment Notes.

Example :

LOC+159+Consumption Point

SG6 -R		GEI-SG7-**SG12**		
SG12 - R		**LIN**-IMD-DTM-SG13-SG16-SG18-SG21		
LIN - M		**1 - Line item**		
Function : To identify a line item and configuration. Segment number : 13				
		EDIFACT	VALEO	Description
1082	Line item number	C n..6	N	
1229	**Action request/notification, coded**	C an..3	**R**	3 = Changed
C212	**ITEM NUMBER IDENTIFICATION**	C	**R**	
7140	**Item number**	C an..35	**R**	VALEO article number
7143	**Item number type, coded**	C an..3	**R**	IN
1131	Code list qualifier	C an..17	N	
3055	Code list responsible agency, coded	C an..3	N	
C829	SUB-LINE INFORMATION	C	N	
5495	Sub-line indicator, coded	C an..3		
1082	Line item number	C an..6		
1222	Configuration level	C n..2	N	
7083	Configuration, coded	C an..3	N	
Segment Notes. Example : LIN++3+2547879:IN				

SG6 -R		GEI-SG7-**SG12**		
SG12 - R		LIN-**IMD**-DTM-SG13-SG16-SG18-SG21		
IMD - C		**1 - Item description**		
Function : To describe an item in either an industry or free format. Segment number : 14				
		EDIFACT	VALEO	Description
7077	Item description type, coded	C an..3	N	
C272	TEM CHARACTERISTIC	C	N	
7081	Item characteristic code	C an..3		
1131	Code list identification code	C an..17		
3055	Code list responsible agency, coded	C an..3		
C273	**ITEM DESCRIPTION**	C	**R**	
7009	Item description code	C an..17	N	
1131	Code list identification code	C an..17	N	
3055	Code list responsible agency code	C an..3	N	
7008	**Item description**	C an..256	**R**	Designation of the item in free form
7008	Item description	C an..256	N	
3453	Language name code	C an..3	N	
7383	Surface or layer code	C an..3	N	
Segment Notes. Example : IMD+++:::CAPSULE DE ROULEMENT				

SG6 -R		GEI-SG7-**SG12**		
SG12 - R		LIN-IMD-**DTM**-SG13-SG16-SG18-SG21		
DTM - M		**1 - Date/time/period**		
Function : To specify date, and/or time, or period. Segment number : 15				
		EDIFACT	VALEO	Description
C507	**DATE/TIME/PERIOD**	M	**M**	
2005	**Date/time/period qualifier**	M an..3	**M**	257 = Calculation date
2380	**Date/time/period**	C an..35	**R**	Date of the schedule
2379	**Date/time/period format qualifier**	C an..3	**R**	102 = CCYYMMDD
Segment Notes. Example : DTM+257:20201124:102				

SG6 -R	GEI-SG7-**SG12**
SG12 - R	LIN-IMD-DTM-**SG13**-SG16-SG18-SG21
SG13 - R	**RFF**-DTM
RFF - M	**1 - Reference**

Function : To specify a reference.

Segment number : 16

		EDIFACT	VALEO	Description
C506	**REFERENCE**	M	**M**	
1153	**Reference qualifier**	M an..3	**M**	ON = Order number
1154	**Reference number**	C an..70	**R**	VALEO order number
1156	Line number	C an..6	N	
4000	Reference version number	C an..35	N	
1060	Revision identifier	C an..6	N	

Segment Notes.

Example :

RFF+ON:5502024250

SG6 -R	GEI-SG7-**SG12**
SG12 - R	LIN-IMD-DTM-SG13-**SG16**-SG18-SG21
SG16 - R	**QTY**-DTM-SG17
QTY - M	1 - Quantity

Function : To specify a pertinent quantity.

Segment number : 17

		EDIFACT	VALEO	Description
C186	**QUANTITY DETAILS**	M	**M**	
6063	**Quantity qualifier**	M an..3	**M**	12 = Despatch quantity
6060	**Quantity**	M an..35	**M**	
6411	**Measure unit qualifier**	C an..8	**R**	

Segment Notes.

Example :

QTY+12:70:PCE

SG6 -R	GEI-SG7-**SG12**
SG12 - R	LIN-IMD-DTM-SG13-**SG16**-SG18-SG21
SG16 - R	QTY-DTM-**SG17**
SG17 - C	**RFF**-DTM
RFF - M	1 - Reference

Function : To specify a reference.

Segment number : 18

		EDIFACT	VALEO	Description
C506	**REFERENCE**	M	**M**	
1153	**Reference code qualifier**	M an..3	**M**	AAK = Delivery Note number
1154	**Reference identifier**	C an..70	**R**	Number of the last DN received
1156	Document line identifier	C an..6	N	
4000	Reference version identifier	C an..35	N	
1060	Reference identifier	C an..6	N	

Segment Notes.

Example :

RFF+AAK:00245828

SG6 -R	GEI-SG7-**SG12**
SG12 - R	LIN-IMD-DTM-SG13-**SG16**-SG18-SG21
SG16 – R	QTY-DTM-**SG17**
SG17 – C	RFF-**DTM**
DTM - M	1 - Date/time/period

Function : To specify date, and/or time, or period.

Segment number : 19

		EDIFACT	VALEO	Description
C507	**DATE/TIME/PERIOD**	M	**M**	
2005	**Date/time/period qualifier**	M an..3	**M**	171 = Reference date
2380	**Date/time/period**	C an..35	**R**	Date of the last Despatch Note
2379	**Date/time/period format qualifier**	C an..3	**R**	102 = CCYYMMDD

Segment Notes.

Example :

DTM+171:20201120:102

SG6 -R	GEI-SG7-**SG12**
SG12 - R	LIN-IMD-DTM-SG13-**SG16**-SG18-SG21
SG16 - R	**QTY**-DTM-SG17
QTY - M	**1 - Quantity**

Function : To specify a pertinent quantity.

Segment number : 20

		EDIFACT	VALEO	Description
C186	**QUANTITY DETAILS**	M	**M**	
6063	**Quantity type code qualifier**	M an..3	**M**	78 = Scheduled cumulative quantity
6060	**Quantity**	M an..35	**M**	
6411	**Measure unit code**	C an..8	**R**	

Segment Notes.

Example :

QTY+78:70:PCE

SG6 -R	GEI-SG7-**SG12**
SG12 - R	LIN-IMD-DTM-SG13-**SG16**-SG18-SG21
SG16 - R	**QTY**-DTM-SG17
QTY - M	**1 - Quantity**

Function : To specify a pertinent quantity.

Segment number : 21

		EDIFACT	VALEO	Description
C186	**QUANTITY DETAILS**	M	**M**	
6063	**Quantity type code qualifier**	M an..3	**M**	70 = Cumulative received quantity
6060	**Quantity**	M n..35	**M**	
6411	**Measurement unit code**	C an..8	**R**	

Segment Notes.

Example :

QTY+70:140:PCE

SG6 -R	GEI-SG7-**SG12**
SG12 - R	LIN-IMD-DTM-SG13-**SG16**-SG18-SG21
SG16 - R	**QTY**-DTM-SG17
QTY - M	**1 - Quantity**

Function : To specify a pertinent quantity.

Segment number : 22

		EDIFACT	VALEO	Description
C186	**QUANTITY DETAILS**	M	**M**	
6063	**Quantity type code qualifier**	M an..3	**M**	83 = Backorder quantity
6060	**Quantity**	M n..35	**M**	
6411	**Measurement unit code**	C an..8	**R**	

Segment Notes.

Example :

QTY+83:70:PCE

SG6 -R	GEI-SG7-**SG12**
SG12 - R	LIN-IMD-DTM-SG13-SG16-**SG18-**SG21
SG18 - R	**SCC-**SG19
SCC - M	**1 - Scheduling conditions**

Function : To specify scheduling conditions.

Segment number : 23

		EDIFACT	VALEO	Description
4017	**Delivery plan status indicator, coded**	M an..3	**M**	1 = Firm 2 = Commitment for manufacturing and material planning 4 = Planning/forecast
4493	Delivery requirements, coded	C an..3	N	
C329	PATTERN DESCRIPTION	C	R	
2013	**Frequency, coded**	C an..3	**R**	D = daily W = weekly M = monthly
2015	Despatch pattern, coded	C an..3	N	
2017	Despatch pattern timing, coded	C an..3	N	

Segment Notes.

Example :

SCC+4++W

SG6 -R	GEI-SG7-**SG12**
SG12 - R	LIN-IMD-DTM-SG13-SG16-**SG18-**SG21
SG18 - R	SCC-**SG19**
SG19 - R	**QTY**-DTM
QTY - M	**1 - Quantity**

Function : To specify a pertinent quantity.

Segment number : 24

		EDIFACT	VALEO	Description
C186	**QUANTITY DETAILS**	M	**M**	
6063	**Quantity type code qualifier**	M an..3	**M**	113 = Delivery quantity
6060	**Quantity**	M an..35	**M**	
6411	**Measurement unit code**	C an..8	**R**	

Segment Notes.

Example :

QTY+113:70:PCE

SG6 -R	GEI-SG7-**SG12**
SG12 - R	LIN-IMD-DTM-SG13-SG16-**SG18**-SG21
SG18 - R	SCC-**SG19**
SG19 - R	QTY-**DTM**
DTM - M	**2 - Date/time/period**

Function : To specify date, and/or time, or period.

Segment number : 25_26

		EDIFACT	VALEO	Description
C507	DATE/TIME/PERIOD	M	**M**	
2005	Date/time/period function code qualifier	M an..3	**M**	64 = Delivery date/time, earliest 63 = Delivery date/time, latest
2380	Date/time/period text	C an..35	**R**	
2379	Date/time/period format code	C an..3	**R**	102 = CCYYMMDD

Segment Notes.

Example :

DTM+64:20201130:102
DTM+63:20201206:102

SG6 -R		GEI-SG7-**SG12**		
SG12 - R		LIN-IMD-DTM-SG13-SG16-SG18-**SG21**		
SG21 - R		**PAC**		
PAC - M		**1 - Package**		
Function : To describe the number and type of packages/pgysucal units Segment number : 27				
		EDIFACT	VALEO	Description
7224	**Package quantity**	C n..8	**R**	
C531	**PACKAGING DETAILS**	C	**R**	
7075	**Packaging level code**	M an..3	**M**	1 = Inner
7233	Packaging related description code	C an..3	N	
7073	Packaging terms and conditions code	C an..3	N	
C202	**PACKAGE TYPE**	C	**R**	
7065	**Package type description code**	C an..17	**R**	
1131	Code list identification code	C an..17	N	
3055	Code list responsible agency code	C an..3	N	
7064	Type of packages	C an..35	N	
C402	PACKAGE TYPE IDENTIFICATION	C		
7077	Description format code	M an..3		
7064	Type of packages	M an..35		
7143	Item type identification code	C an..3		
7064	Type of packages	C an..35		
7143	Item type identification code	C an..3		
C532	RETURNABLE PACKAGE DETAILS	C		
8395	Returnable package freight payment responsibility code	C an..3		
8393	Returnable package load contents code	C an..3		

Segment Notes.

Example :

PAC+70+1+BVA3::92

UNT - M	1 - MESSAGE TRAILER			
Function : To end and check the completeness of a message. Segment number : 28				
		EDIFACT	VALEO	Description
0074	**Number of segments in a message**	M n..10	**M**	The total number of segments in the message is detailed here.
0062	**Message reference number**	M an..14	**M**	The message reference number detailed here should equal the one specified in the UNH segment.

Segment Notes :

This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.

Example :

UNT+28+1

UNZ - M	1 - INTERCHANGE TRAILER			
Function : To end and check the completeness of an interchange				
		ODETTE	VALEO	Description
0036	**INTERCHANGE CONTROL COUNT**	M n..6	**M**	
0020	**INTERCHANGE CONTROL REFERENCE**	M an..14	**M**	

Segment Notes :

This segment is used to To start, identify and specify an interchange.

Example :

UNZ+1+000000100

6 EXAMPLE OF DELFOR MESSAGE

UNB+UNOA:2+SENDER+RECEIVER+201124:1100+000000100++DELFOR	The Sender is SENDER, the receiver is RECEIVER. The message was issued the 24th of November 2020 at 11h00. The interchange control reference is 100. The application reference is DELFOR.
UNH+1+DELFOR:D:04A:UN	Message header number 1
BGM+241+125	Needs expression number 125
DTM+137:20201124:102	Document date is 24 st of November 2020
RFF+ACW:124	Reference Number previous message 124
RFF+ADE:0000058292	Supplier account number is 0000058292
NAD+SE+0000058292::92++SELLER NAME+STREET+CITY NAME++POSTCODE+COUNTRY	The seller is identified by the VALEO internal number 0000058292
CTA+IC+001:EMPLOYEE	The contact number is 001 and his name is EMPLOYEE
NAD+BY+111111111111::10++BUYER+STREET+CITY NAME++POSTCODE+COUNTRY	The buyer is identified by the Odette code 1111111111111
GEI+3+37	Scheduling Type information
NAD+CN+111111111111::10++CONSIGNEE+STREET+CITY NAME++POSTCODE+COUNTRY	The consignee is identified by the Odette code 1111111111111
LOC+11+UNLOADING POINT	Unloading point
LOC+159+Consumption Point	Consumption point
LIN++3+2547879:IN	The first product in the schedule is identified by the

	VALEO article number 2547879
IMD+++:::CAPSULE DE ROULEMENT	Description of the product
DTM+257:20201124:102	Date of calculation of the needs
RFF+ON:5502024250	Reference to the order number of the article
QTY+12:70:PCE	Qty sent and received in last DN: 70 units
RFF+AAK:00245828	Reference number of the last DN: 00245828
DTM+171:20201120:102	Date of the last DN : 20/11/2020
QTY+78:70:PCE	Scheduled cumulative quantity is 70 pieces
QTY+70:140:PCE	Up to now, 140 units have been received at the VALEO plant
QTY+83:70:PCE	Backorder : 70 pieces.
SCC+4++W	It is a forecast quantity
QTY+113:70:PCE	The quantity to be delivered is 70 units
DTM+64:20201130:102	The delivery date is the 30th of November 2020 at earliest and the 06 h or December at latest
DTM+63:20201206:102	
PAC+70+1+BVA3::92	Packaging inner
UNT+27+1'	Total of 27 segments in the message
UNZ+1+000000100’	End of INTERCHANGE number 100