



EDI IMPLEMENTATION GUIDELINES

AVIEXP ODETTE V3

VERSION 4.0 - 8/12/2004

SOMMAIRE

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1 THE AVIEXP MESSAGE

1.1 INTRODUCTION

This document provides the definition of an AVIEXP Message, based on the ODETTE AVIEXP V3, 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 ODETTE DESPATCH ADVICE without the necessity for any additional standard related documentation.

1.2 STATUS

MESSAGE TYPE	: AVIEXP
REFERENCE DIRECTORY	: V3
VALEO SUBSET VERSION	: 01

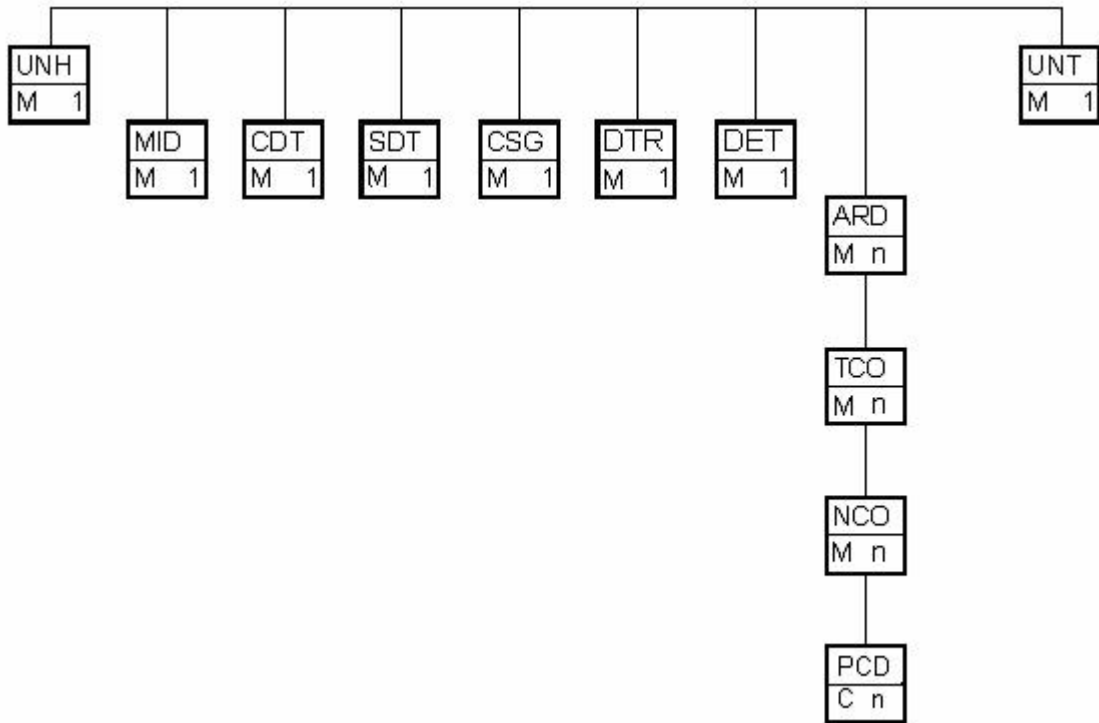
1.3 PRINCIPLES

The main message running rules are the following.

2 MESSAGE STRUCTURE CHART

UNH	1	M	1	MESSAGE HEADER
MID	2	M	1	Message Identification
CDT	3	M	1	Consignor Details
SDT	4	M	1	Seller Details
CSG	5	M	1	Consignor Details
DTR	6	M	1	Transport Details
DET	7	M	1	Delivery Terms
ARD	8	M	999	Article Details
TCO	9	M	999	Type of Package
NCO	10	M	999	Package Identification Number
PCD	11	C	999	Package Description
UNT	12	M	1	MESSAGE TRAILER

3 BRANCHING DIAGRAM



4 SEGMENTS DESCRIPTION

UNH - M 1 - MESSAGE HEADER

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

MID - M 1 - Message Identification

This segment is used to give the reference number of the document and the date of its generation.

CDT - M 1 - Consignor Details

To give details of the consignor such as coded or uncoded name and address, contacts...

SDT - M 1 - Seller Details

To give details of the seller such as coded or uncoded name and address, contacts...

CSG - M 1 – Consignee Details

To give details of the consignee such as coded or uncoded name and address, contacts and to provide delivery location details.

DTR - M 1 – Transport Details

To give details of means of the transport.

DET - M 1 – Delivery Terms

To give delivery terms.

ARD - M 999 – Article Details

To identify an article.

TCO - M 999 – Type of package : Mandatory only for Advance Shipping Note Complete (With Labelling)

To describe the type of package used for the article described in the preceding ARD segment.

NCO - M 999 – Package Identification Number : Mandatory only for Advance Shipping Note Complete (With Labelling)

To give package identification numbers such as consignor's shipping marks or buyer's transport labels.

PCD – C 999 – Package Description : Used only for Advance Shipping Note Complete (With Labelling) but not Mandatory (see segments details).

To give details about packages.

UNT - M 1 - MESSAGE TRAILER

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

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.

Notes:

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.

UNH - M 1 - MESSAGE HEADER				
Function : To head, identify and specify a message.				
Segment number : 1				
		ODETTE	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	AVIEXP = Despatch Advice message
0052	Message type version number	M an..3	M	3
0054	Message type release number	C an..3	N	
0051	Controlling agency	C an..2	R	OD
0057	Association assigned code	C an..6	N	
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		
<p><u>Segment Notes.</u></p> <p>This segment is used to head, identify and specify a message.</p> <p>DE's 0065, 0052 and 0051: indicate that the message is based on a version 3 of the Odette despatch advice message.</p> <p>Example : UNH+1+AVIEXP:3::OD'</p>				

MID - M 1 - Message Identification				
Function : To give the reference number of the document and the date of its generation.				
Segment number : 2				
		ODETTE	VALEO	Description
		M	M	
1004	Document/message number	M an..17	M	Despatch advice number
	Document Date & Time	C	R	
2007	Document date/code	M n6	M	Date of the message
2002	Time	C n4	R	Time of the message
		C	N	
4426	Authentication	C an..35		
<u>Segment Notes.</u>				
Example: MID+78693701+040419:1607'				

CDT - M 1 - Consignor Details				
Function		: To give details of the consignor such as coded or uncoded name and address, contacts...		
Segment number		: 3		
		ODETTE	VALEO	Description
	Consignor	M	M	
3337	Consignor, coded	C an..20	R	Odette code of the consignor
3036	Party name	C an..35	R	Consignor name, clear text
3124	Name and address line	C an..35	R	Address of the consignor (building/street name)
3124	Name and address line	C an..35	R	Address of the consignor (city/town name)
3124	Name and address line	C an..35	R	Address of the consignor (postal code)
3124	Name and address line	C an..35	N	
3296	Internal Id. n°	C an..17	R	VALEO internal number of the consignor
	Consignor Department or Employee	C	N	
3413	Department or employee, coded	C an..17		
3412	Department or employee	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		
3124	Name and address line	C an..35		
3207	Country, coded	C a2	R	ISO 3166 two alpha
	Contact Details	C	N	
3412	Department or employee, coded	C an..35		
3928	Telephone number	C an..17		
3929	Telephone extension	C an..17		
3927	Telex number	C an..17		
3926	Fax number	C an..17		
3930	Teletex number	C an..17		
<u>Segment Notes.</u>				
Example :				
CDT+0933000045653:VALEO VISION BELGIQUE:RUE DU PARC INDUSTRIEL,31:MESLIN L EVEQUE:B7822::99997++BE'				

SDT - M 1 - Seller Details				
Function		: To give details of the seller such as coded or uncoded name and address, contacts...		
Segment number		: 4		
		ODETTE	VALEO	Description
	Seller	M	M	
3347	Seller, coded	C an..20	R	Odette code of the seller
3036	Party name	C an..35	R	Seller name, clear text
3124	Name and address line	C an..35	R	Address of the seller (street name)
3124	Name and address line	C an..35	R	Address of the seller (city/town name)
3124	Name and address line	C an..35	R	Address of the seller (postal code)
3124	Name and address line	C an..35	N	
3296	Internal Id. n°	C an..17	R	VALEO internal number of the seller
	Commercial Department or Employee	C	N	
3413	Department or employee, coded	C an..17		
3412	Department or employee	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		
3124	Name and address line	C an..35		
	Accounting Department or Employee	C	N	
3413	Department or employee, coded	C an..17		
3412	Department or employee	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		
3124	Name and address line	C an..35		
3808	VAT registration number	C an..17	N	
3207	Country, coded	C a2	R	
	Contact Details	C	N	
3412	Department or employee, coded	C an..35		
3928	Telephone number	C an..17		
3929	Telephone extension	C an..17		

3927	Telex number	C an..17		
3926	Fax number	C an..17		
3930	Teletex number	C an..17		
<u>Segment Notes.</u> This segment is used to indicate the trading parties involved in the despatch process. Example : SDT+0933000045653:VALEO VISION BELGIUM:RUE DU PARC INDUSTRIEL,31:MESLIN L EVEQUE:B7822::999973++++BE'				

CSG - M 1 - Consignee Details				
Function		To give details of the consignee such as coded or uncoded name and address, contacts and to provide delivery location details.		
Segment number		5		
		ODETTE	VALEO	Description
	Consignee	M	M	
3133	Consignee, coded	C an..20	R	Odette code of the VALEO plant
3036	Party name	C an..35	R	Name of the plant
3124	Name and address line	C an..35	N	
3124	Name and address line	C an..35	N	
3124	Name and address line	C an..35	N	
3124	Name and address line	C an..35	N	
3296	Internal Id. n° allocated by a partner	C an..17	N	
	Final Delivery Point	C	R	
3921	Final Delivery Point, coded	C an..17	R	VALEO code of unloading point
3920	Final delivery point	C an..35	N	
3124	Name and address line	C an..35	N	
3124	Name and address line	C an..35	N	
3124	Name and address line	C an..35	N	
3124	Name and address line	C an..35	N	
	Additional Destination Details	C	N	
3923	Additional Destination Details, coded	C an..17		
3922	Additional destination details	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		
3124	Name and address line	C an..35		
3207	Country, coded	C a2	N	
	Contact Details	C	N	
3412	Department or employee, coded	C an..35		
3928	Telephone number	C an..17		
3929	Telephone extension	C an..17		
3927	Telex number	C an..17		
3926	Fax number	C an..17		
3930	Teletex number	C an..17		
<u>Segment Notes.</u>				
Example :				
CSG+19503443331023:VALEO VISION ANGERS+RECEP. ANGERS'				

DTR - M 1 - Transport Details				
Function : To give details of means of the transport.				
Segment number : 6				
		ODETTE	VALEO	Description
8212	Identification of the means of Transport	C an..17	R	
	Consignment Group Number	C	N	
8164	Trailer Number	C an..17		
8028	Conveyance Reference Number	C an..17		
	Carrier	M	M	
3127	Carrier, coded	C an..20	R	
3036	Party name	C an..35	R	
3124	Name and address line	C an..35	N	
3124	Name and address line	C an..35	N	
3124	Name and address line	C an..35	N	
3124	Name and address line	C an..35	N	
3296	Internal Id number allocated to a	C an..17	N	
1188	Transport document number	C an..17	R	
4351	Carriage payment instruction, coded	C a1	N	
2349	Estimated arrival date at destination, coded	C n10	R	
	Place of Loading	C	N	
3335	Place of loading, coded	C a5		
3334	Place of loading	C an..17		
2459	Packing list date, coded	C n6	N	
	Dispatch Date & Time	C	N	
2171	Dispatch date, coded	C n6		
2002	Time	C n4		
<u>Segment Notes.</u>				
Example :				
DTR+999 XX 08++0931398619:DORTS D. TRSPS INTERNATIONAUX+78693701++0404200000'				

DET - M 1 - Delivery Terms				
Function : To give delivery terms.				
Segment number : 7				
		ODETTE	VALEO	Description
8067	Mode of Transport	M n2	M	
4110	Incoterms code	C a3	N	
	Incoterms	C	N	
3019	Incoterms place, coded	C an..8		
3018	Incoterms place	C an..32		
	Terms of Delivery	C	N	
4052	Terms of Delivery	M an..35		
4052	Terms of Delivery	C an..35		
4052	Terms of Delivery	C an..35		
4052	Terms of Delivery	C an..35		
4052	Terms of Delivery	C an..35		
<u>Segment Notes.</u>				
Example : DET+30'				

ARD - M 999 - Article Details				
Function : To identify an article.				
Segment number : 8				
		ODETTE	VALEO	Description
	Article Identification	M	M	
7304	Buyer's article number	C an..35	R	VALEO codification of the article
7194	Seller's article number	C an..35	R	Seller's article number
7008	Item description	C an..35	R	Description in clear text
7008	Item description	C an..35	N	
7008	Item description	C an..35	N	
7008	Item description	C an..35	N	
7008	Item description	C an..35	N	
	Quantity & Unit	M	M	
6270	Quantity delivered	M n..10	M	
6410	Measure unit qualifier	C an..3	R	Unit of measure
	Order or Contact Id	M	M	
1022	Order number	M an..17	M	VALEO order number
2001	Order date	C n6	N	
	Country of Origin	C	N	
3239	Country of origin , coded	C a2		
3238	Country of origin	C an..17		
	Free Text	C	N	
4440	Text	M an..70		
4440	Text	C an..70		
4440	Text	C an..70		
	Technical Status	C	N	
7860	Design revision number	C an..35		
1376	Engineering change number	C an..17		
2001	Date	C n6		
<u>Segment Notes.</u>				
Example :				
ARD+89203941:89203941:ELL70 D1S G TD BIF+75:PCE+3006390'				

* Segment mandatory for Advance Shipping Note Complete (with Labelling)

TCO* - M		999 - Type of package		
Function		: To describe the type of package used for the article described in the preceding ARD segment.		
Segment number		: 9		
		ODETTE	VALEO	Description
	Package Data	M	M	
7064	Type of package	C an..35	R	
1906	Package reference number	C an..35	R	VALEO codification of package
1131	Code list identifier	C an2	N	92
7224	Number of packages	M n6	M	
	Quantity	C	R	
6853	Quantity of article in package*	M n..10	M	
6410	Measure unit qualifier	C an..3	R	
	Dimensions	C	N	
6168	Length	C n..5		
6140	Width	C n..5		
6008	Height	C n..5		
6410	Measure unit qualifier	C an..3		
	Weight	C	N	
6292	Gross weight	C n..11		
6160	Net weight	C n..11		
6410	Measure unit qualifier	C an..3		
2069	Effective from date, coded	C n6	N	
<p><u>Segment Notes.</u></p> <p>One TCO segment is to be used for each type of package. If an article is in two separate types of packages, there must be two occurrences of the TCO segment.</p> <p>* The 6853 data is mandatory if each package in a same palette (UM) are scrupulously identical. In the other case (A palette contains package with different articles number) the 6853 data has to be empty et the PCD segment become mandatory.</p> <p>Example : TCO+CARTON:C1+5+15:PCE'</p>				

* Segment mandatory for Advance Shipping Note Complete (with Labelling)

NCO* - M 999 - Package Identification Number				
Function : To give package identification numbers.				
Segment number : 10				
		ODETTE	VALEO	Description
7246	Transport label number	C an..17	R	
7102	Shipping marks	M an..17	M	
2837	Date of production, coded	C n6	N	
<u>Segment Notes.</u> There will be one repetition of the 7102 data per package number. Example : NCO+4675963+4635238:4654627:4654629:4654630:4654641' In UMS case, data 7246 is not accepted.				

*Segment only used for Advance Shipping Note Complete (with Labelling)

PCD* - C 999 - Package description				
Function : To give details about package.				
Segment number : 11				
		ODETTE	VALEO	Description
7102	Shipping marks	M an..17	M	
	Quantity in Package	C	R	
6853	Quantity of article in package	M an..17	M	
6410	Measure unit qualifier	C n3	R	
	Weights	C	N	
6292	Gross weight	C n11		
6160	Net weight	C n11		
6410	Measure unit qualifier	C an..3		
2837	Date of production, coded	C n6	N	
<u>Segment Notes.</u> There will be one repetition of the PCD segment per package number. This segment is mandatory if a palette contains package with different articles number. Example : PCD+4635238+15:PCE'				

UNT - M		1 - MESSAGE TRAILER		
Function		: To end and check the completeness of a message.		
Segment number		: 12		
		ODETTE	VALEO	Description
0074	Number of segments in a message	M n..6	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.
<u>Segment Notes.</u>				
This segment is a mandatory UN/ODETTE segment. It must always be the last segment in the message.				
Example :				
UNT+16+1'				

6 EXAMPLE OF AVIEXP MESSAGE

UNH+1+AVIEXP:3::OD'	Message header
MID+78693701+040419:1607'	The message number is 78693701 and the message was issued the 19 th of April 2004 at 16h07.
CDT+0933000045653:VALEO VISION BELGIQUE:RUE DU PARC INDUSTRIEL,31:MESLIN L EVEQUE:B7822::99997++BE'	The consignor is identified by its Odette code, the VALEO internal number and its name and address.
SDT+0933000045653:VALEO VISION BELGIUM:RUE DU PARC INDUSTRIEL,31:MESLIN L EVEQUE:B7822::999973++++BE'	The seller is identified by its Odette code, the VALEO internal number and its name and address.
CSG+19503443331023:VALEO VISION ANGERS+RECEP. ANGERS'	The consignee is identified by its Odette code. The place of discharge is RECEP. ANGERS.
DTR+999 XX 08++0931398619:DORTS D. TRSPS INTERNATIONAUX+78693701++0404200000'	Data of the carrier
DET+30'	Transport by road
ARD+89203941:89203941:ELL70 D1S G TD BIF+75:PCE+3006390'	The article is the VALEO article number 89203941 and the qty delivered is 75 pieces.
TCO+CARTON:C1+5+15:PCE'	Packaging is 5 UC = CARTON containing 15 pieces
NCO+4675963+4635238:4654627:4654629:4654630:4 654641'	UM number is 4675963 UC numbers are 4635238, 4654627, 4654629, 4654630, 4654641
UNT+16+1'	End of message