



## EDI IMPLEMENTATION GUIDELINE

CONTRL D 3 UN

### *Technical Acknowledgement / Rejection Advice Message*

#### History of changes

Version	Date	Author	Reason of change	Chapter / Page
V1.0	April 2006	J.Duroy	Creation	
V1.1	September 2007	J. Duroy	Presentation	

Send yours remarks to: [supportedi@valeo.com](mailto:supportedi@valeo.com)

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# 1 THE CONTRL MESSAGE

## 1 INTRODUCTION

This document provides the definition of Control Message, based on the UN/EDIFACT Standards, 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 CONTRL without the necessity for any additional standard related documentation.

## 2 STATUS

MESSAGE TYPE	: CONTRL
REFERENCE DIRECTORY	: D3 UN
VALEO SUBSET VERSION	: 01

## 3 PRINCIPLES

The main message running rules are the following.

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:

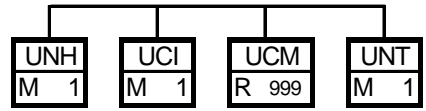
- REQUIRED (**R**) : Indicates that the entity is required and must be sent.
- NOT USED (**N**) : Indicates that the entity is not used and should be omitted.

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.

2      MESSAGE STRUCTURE CHART
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<a href="#">UNH</a>	M	1	MESSAGE HEADER
<a href="#">UCI</a>	M	1	Interchange response
<a href="#">UCM</a>	M	999	Message response
<a href="#">UNT</a>	M	1	MESSAGE TRAILER

3 BRANCHING DIAGRAM



## 4 SEGMENTS DESCRIPTION

### **UNH, Message header**

A service segment starting and uniquely identifying a message.

Note: Control messages conforming to this document must contain the following data in segment UNH, composite S009:

Data element	0065	CONTRL
	0052	D
	0054	3
	0051	UN

### **UCI, Interchange response**

This segment is a mandatory UN/EDIFACT segment identifying the interchange being responded to (the subject interchange). It also indicates interchange receipt, acknowledgement or rejection (action taken) of the UNA, UNB and UNZ segments, and identifies any error related to these segments.

### **UCM, Message response**

This segment is used to identify a message in the subject interchange, indicating message's acknowledgement or rejection, and identifying any error related to the UNH and UNT segments.

### **UNT, Message trailer**

A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

## 5 SEGMENTS LAYOUT

This section describes each segment used in the VALEO CONTRL message. The original UN/EDIFACT 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 UN/EDIFACT status (M or C), the field format, and the picture of the data elements. These first pieces of information constitute the original UN/EDIFACT segment layout.

Following the UN/EDIFACT 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 UN/EDIFACT 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 UN/EDIFACT segments retain their status in VALEO.
- 2.2 Additionally, there are two types of status for data elements with a (C)onditional UN/EDIFACT 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.
- 2.4 If a composite is flagged as N, NOT USED, all data elements within that composite will have blank status indicators assigned to them.

<b>UNH - M                    1 - MESSAGE HEADER</b>				
<b>Function                    :</b> <b>To head, identify and specify a message</b>				
Segment number:				
		EDIFACT	VALEO	Description
<b>0062</b>	<b>Message reference number</b>	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.
<b>S009</b>	<b>MESSAGE IDENTIFIER</b>	M	M	
<b>0065</b>	<b>Message type identifier</b>	M an.6	M	'CONTRL' = Control message
<b>0052</b>	<b>Message type version number</b>	M an.3	M	'D' = Draft version UN/EDIFACT Directory
<b>0054</b>	<b>Message type release number</b>	M an.3	M	'3' = Release 3
<b>0051</b>	<b>Controlling agency</b>	M an.2	M	'UN' = UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)
0057	Association assigned code	C an.6	N	
0068	Common access reference	C an.35	N	
<b>S010</b>	<b>STATUS OF THE TRANSFER</b>	C	N	
0070	Sequence message transfer number	M n.2		
0073	First/last sequence message transfer indication	C a.1		
<p><u>Segment Notes.</u></p> <p>This segment is used to head, identify and specify a message.</p> <p>Example : UNH+1+CONTRL:D:3:UN'</p>				

UCI - M 1 - INTERCHANGE RESPONSE				
<b>Function :</b> Identify the interchange being responded to (the subject interchange)				
Segment number :				
		EDIFACT	VALEO	Description
<b>0020</b>	<b>Interchange control reference</b>	M an.14	M	See Note [1]
<b>S002</b>	<b>Interchange Sender</b>	M	M	
<b>0004</b>	<b>Sender identification</b>	M an.35	M	See Note [2]
0007	Identification code qualifier	C an.4	N	
0008	Address for reverse routing	C an.14	N	
<b>S003</b>	<b>Interchange recipient</b>	M	M	
<b>0010</b>	<b>Recipient identification</b>	M an.35	M	Name or coded representation of the recipient of a data interchange.
0007	Identification code qualifier	C an.4	C	
0014	Routing address	C an.14	C	
<b>0083</b>	<b>Action, coded</b>	M an.3	M	See Note [3]
0085	Syntax error, coded	C an.3	N	
0013	Service segment tag, coded	C a.3	N	
<b>S011</b>	<b>Data Element Identification</b>	C	N	
0098	Erroneous data element position in segment.	M n.3		
0104	Erroneous component data element position.	C n.3		
<b>Segment Notes.</b>				
<ol style="list-style-type: none"> <li>Unique reference assigned by the sender to an interchange. <i>From the UNB.0020 of the interchange being acknowledged.</i></li> <li>Name or coded representation of the sender of a data interchange. <i>From the UNB. S002.004 of the message being syntactically acknowledged.</i></li> <li>A code indicating acknowledgement, or rejection (the action taken) of a subject interchange, or part of the subject interchange :</li> </ol>				
4	Use when the entire interchange is rejected.			
7	Use when <ul style="list-style-type: none"> <li>there are no errors in any of the messages (<i>all messages acknowledged and accepted</i>)</li> <li>some messages in the interchange are acknowledged and accepted and one or more other messages in the interchange contain errors or are rejected or all messages in the interchange contain errors or are rejected.</li> </ul>			
Example : UCI+4+987654321+012345678+7'				

UCM - M		999 - MESSAGE RESPONSE		
<b>Function</b>		Identify a message in the subject interchange, indicating that message's acknowledgement or rejection (action taken), and identifying any error related to the UNH and UNT segments.		
Segment number				
		EDIFACT	VALEO	Description
0062	Message reference number	M an..14	M	See Note[1]
S009	Message identifier	M	M	
0065	Message type identifier	M an..6	M	See Note[2]
0052	Message type version number	M an..3	M	See Note[3]
0054	Message type release number	M an..3	M	See Note[4]
0051	Controlling agency	M an..2	M	See Note[5]
0057	Association assigned code	C an..6	N	
0083	Action, coded	M an..3	M	See Note [6]
0085	Syntax error, coded	C an..3	N	
0013	Service segment tag, coded	C a..3	N	
S011	Data Element Identification	C	N	
0098	Erroneous data element position in segment.	M n..3		
0104	Erroneous component data element position.	C n..3		
<b>Segment Notes.</b>				
<ol style="list-style-type: none"> <li><u>Unique message reference assigned by the sender.</u> <i>From the UNH.0062 of the message being acknowledged.</i></li> <li><u>Code identifying a type of message and assigned by its controlling agency.</u> <i>From the UNH.S009.0065 of the message being acknowledged.</i></li> <li><u>Version number of a message type.</u> <i>From the UNH.S009.0052 of the message being acknowledged.</i></li> <li><u>Release number within the current message type version number (0052).</u> <i>From the UNH.S009.0054 of the message being acknowledged.</i></li> <li><u>Code identifying the agency controlling the specification, maintenance and publication of the message type</u> <i>From the UNH.S009.0051 of the message being acknowledged.</i></li> <li><u>A code indicating acknowledgement, or rejection (the action taken) of a subject interchange, or part of the subject interchange :</u></li> </ol>				
4	This level and all lower levels rejected			
7	This level acknowledged, next lower level acknowledged if not explicitly rejected			
<b>Example :</b>				
UCM+PO12435+DELFOR:D:96A:UN+7				

<b>UNT - M                    1 - MESSAGE TRAILER</b>				
<b>Function                    :</b> <b>To end and check the completeness of a message.</b>				
Segment number                    :				
		EDIFACT	VALEO	Description
<b>0074</b>	<b>Number of segments in a message</b>	M n..6	M	The total number of segments in the message is detailed here.
<b>0062</b>	<b>Message reference number</b>	M an..14	M	The message reference number detailed here should equal the one specified in the UNH segment.
<p><u>Segment Notes.</u></p> <p>This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.</p> <p>Example :</p> <p style="padding-left: 40px;">UNT+6+1'</p>				

6 EXAMPLE OF CONTRL MESSAGE

UNH+1+CONTRL :D:3:UN'	Message header
UCI+4+987654321+012345678+7'	At least one message have been rejected in the interchange being response
UCM+PO12435+DELFOR:D:96A:UN+7'	Message PO12435 acknowledged
UCM+PO12436+DELFOR:D:96A:UN+4'	Message PO12436 rejected
UCM+PO12437+DELFOR:D:96A:UN+4'	Message PO12437 rejected
UNT+6+1'	Total of 6 segments in the message