

EDI Implementation Guidelines DELJIT UN D97A (Pick-Up Sheet)



Version 6.0
For SAP-enabled ADIANT plants only

Introduction

Adient is currently implementing a new SAP system ("Project Saturn"), which will be rolled out to all Adient Automotive Experience plants over the next few years. With this project the Pick-Up Sheet process will be optimized. While the process is currently handled half-manual, we will implement complete EDI support for this process in the future. For this purpose, we have developed the DELJIT EDI message which will transport the Pick-Up Sheet information in the future.

This message is only used in the Pick-Up Sheet process. For suppliers that do not deliver based on Pick-Up Sheets, this message is not used.

Also, this message is only supported with our new SAP system. For that reason this guide does only apply to SAP-enabled plants. For those plants that are still on our old system, the Pick-Up Sheet process will be handled manually, just as before.

DELJIT Pick-Up Sheet Message

Purpose:

A message specifying details for a delivery that is to be picked up at the supplier on a specific day and (optionally) a specific time. The message contains details on the material to be picked up and on the transport.

It is the suppliers obligation to have all material ready for despatch at the pick-up window, as specified in the Pick-Up Sheet message.

Granularity:

The Pick-Up Sheet message is generated per pick-up day and per truck. If a suppliers delivers goods on multiple days of the week, an individual Pick-Up Sheet will be sent for each day. Just as well, if the supplier delivers more than one full-truck-load on one day, multiple Pick-Up Sheets will be generated for that day.

Validity:

This guide is valid globally for all Adient Automotive experience plants that have been rolled out on SAP.

Message Structure

UNH	M	1	Message Header
BGM	M	1	Beginning of message
DTM	M	1	Date of message date
DTM	M	1	Pick-up date
SG2	M	1	NAD-LOC-FTX-SG3
NAD	M	1	Seller details
SG2	M	1	NAD-LOC-FTX-SG3
NAD	M	1	Buyer details
SG2	M	1	NAD-LOC-FTX-SG3
NAD	M	1	Ship-To details
SG4	M	9999	SEQ-DTM-GIR-LOC-SG5-SG7
SEQ	M	1	Structural Element
SG9	M	1	LIN-PIA-IMD-ALI-GIR-TDT-FTX-PAC-DTM-SG8-SG9-SG11
LIN	M	1	Line item level: material number and line item number
IMD	C	1	Line item description
SG8	M	1	RFF-DTM
RFF	M	1	Reference to scheduling agreement / PO and item number
SG9	C	1	LOC-SG10
LOC	M	1	Dock code
SG11	M	1	QTY-SCC-DTM-SG12
QTY	M	1	Quantity to be delivered
SG11	C	1	QTY-SCC-DTM-SG12
QTY	M	1	Cumulative quantity
UNT	M	1	Message Trailer



Segment: **UNB** Interchange Header
Position: 0010
Group:
Usage: Always transmitted
Max Use: 1
Purpose: To start, identify and specify an interchange.

Notes: UNB+UNOA:3+212364:ZZZ+61237:ZZZ+050519:0706+123190505'

Data Element Summary

<u>Data Element</u>	<u>Component Element Name</u>	<u>Base Attributes</u>	<u>Adient Attributes</u>
S001	SYNTAX IDENTIFIER	M	M
	0001 Syntax identifier UNOA UN/ECE level A	M a4	M
	0002 Syntax version number 3 Syntax version number 3	M n1	M
S002	INTERCHANGE SENDER	M	M
	0004 Sender identification	M an..35	M
	The sender identification can be the company EAN or DUNS code or a company specific code.		
S003	0007 Partner identification code qualifier	C an..4	O
	Qualifiers to be determined by trading partner relationship.		
	0008 Address for reverse routing	C an..14	O
S004	INTERCHANGE RECIPIENT	M	M
	0010 Recipient identification	M an..35	M
	The receiver identification can be the company EAN or DUNS code or a company specific code.		
S004	0007 Partner identification code qualifier	C an..4	O
	Qualifiers to be determined by trading partner relationship.		
	0014 Routing address	C an..14	M
S004	DATE AND TIME OF PREPARATION	M	M
	0017 Date of preparation	M n6	M
	Format: YYMMDD		
S004	0019 Time of preparation	M n4	M
	Format: HHMM		
	0020 INTERCHANGE CONTROL REFERENCE	M an..14	M
Unique reference generated when sending the message to uniquely identify the interchange is repeated in the UNZ segment.			
S005	RECIPIENTS REFERENCE PASSWORD	C	O
	0022 Recipient reference/password	M an..14	M
	0025 Recipient reference/password qualifier	C an2	O
0026	APPLICATION REFERENCE	C an..14	R
0029	PROCESSING PRIORITY CODE	C a1	O
0031	ACKNOWLEDGEMENT REQUEST	C n1	R
0032	COMMUNICATIONS AGREEMENT ID	C an..35	O

Segment: **UNH** Message Header
Position: 0020
Group:
Usage: Always transmitted
Max Use: 1
Purpose: A service segment starting and uniquely identifying a message. The message type code for the Pick-Up Sheet message is DELJIT.

Notes: Segment Notes.

DE's 0065, 0052, 0054, and 0051: Indicate that the message is a DELJIT message based on the D.97A directory under the control of the United Nations.

Example :

UNH+1122334455+DELJIT:D:97A:UN'

Data Element Summary

Data Element	Component Element	Name	Base Attributes	Adient Attributes
0062		MESSAGE REFERENCE NUMBER	M an..14	M
Sender's unique message reference. Sequence number of the messages in the interchange. DE 0062 in the UNT will be identical. Sender generated.				
S009		MESSAGE IDENTIFIER	M	M
	0065	Message type identifier DELJIT Delivery just in time message	M an..6	M
	0052	Message type version number D = Draft Version/UN/EDIFACT Directory	M an..3	M
	0054	Message type release number 97A Version 97A	M an..3	M
	0051	Controlling agency UN UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)	M an..2	M
	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	N
	0073	First/last sequence message transfer indication	C an..1	N

Segment: **BGM** Beginning of Message
Position: 0030
Group:
Usage: Always transmitted
Max Use: 1 per Pick-Up Sheet
Purpose: A segment for unique identification of the document name and its number.

Notes: Segment Notes.

A segment identifying the beginning of a new Pick-Up Sheet. The number of the Pick-Up Sheet, which needs to be returned in the ASN, is transmitted in this segment as well.

Example :

BGM+340+011012345678+9'

Data Element Summary

Data Element	Component Element Name	Base Attributes	Adient Attributes
C002	DOCUMENT/MESSAGE NAME	C	M
	1001 Document/message name, coded	C an..3	M
	340 Shipping Instructions		
	1131 Code list qualifier	C an..3	N
	3055 Code list responsible agency, coded	C an..3	N
C106	1000 Document/message name	C an..35	O
	DOCUMENT/MESSAGEIDENTIFICATION		
	1004 Document/Message number	C an..35	M
	Pick-Up Sheet number		
1056	Version	C an..9	N
	1060 Revision Number	C an..6	N
1225	MESSAGE FUNCTION, CODED	C an..3	C
	9 Original		
4343	An original transmission of the Pick-Up Sheet		
	RESPONSE TYPE, CODED	C an..3	N

Segment: **DTM** Date/Time/Period
Position: 0040
Group:
Usage: Always transmitted
Max Use: 2
Purpose: Date/time/period related to the whole message.

Notes: Segment Notes.

This segment is used to specify the date of the Pick-Up Sheet generation as well as the pick-up time at the supplier site.

Example :

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DTM+137:201106061400:203'
DTM+234:201106100900:203'
DTM+235:201106101200:203'
DTM+231:201106101200:203'
DTM+233:201106101200:203'
  
```

Data Element Summary

Data Element	Component	Element Name	Base Attributes	User Attributes
C507		DATE/TIME/PERIOD	M	M
	2005	Date/time/period qualifier	M an..3	M
		137 Document/message date/time Date/time when the document is sent to the supplier / receiver.		M
		234 Collection date/time, earliest Scheduled Pick-Up Date	M	
		235 Collection date/time, latest Scheduled Pick-Up Date	M	
		231 Earliest Arrival date		
		233 Latest Arrival Date		
	2380	Date/time/period	C an..35	M
		Document date will always be transmitted in format CCYYMMDDHHMM. Pick-Up date will be transmitted in either CCYYMMDDHHMM or CCYYMMDD format.		
	2379	Date/time/period format qualifier	C an..3	M
		203 = Format CCYYMMDDHHMM		
		102 = Format CCYYMMDD		

Segment: RFF Reference

Position: 050
Group: SG1 (RFF-DTM)
Usage: Always transmitted
Max Use: 2
Purpose: A segment identifying documents or other numbers related to the line item as specified in the LIN segment.

Notes: Segment Notes.

This segment specifies the related Adient PO number and PO item number for this line item

Example :

RFF+ADE:123456:00010'
RFF+SRN: 123XX45:00010'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C506		REFERENCE	M	M
	1153	Reference qualifier	M an..3	M
		ADE= Delivery Number SRN = Shipment Number		
	1154	Reference number	C an..35	M
		Adient PO NO Adient Delivery Number Adient Shipment NO		
	1156	Line number	C an..6	M
		Item Number in PO		
	4000	Reference version number	C an..35	N

Segment: **NAD** Name and Address
Position: 0060
Group: SG2 (NAD-LOC-FTX-SG3)
Usage: Always transmitted
Max Use: 3
Purpose: A segment for identifying names, addresses, and their functions relevant to the whole Pick-Up Sheet.

Notes: Segment Notes.
 This segment is used to identify the trading partners involved in the Pick-Up Sheet message. Identification of the supplier, buyer and ship-to are included in the Pick-Up Sheet message.

Example :

NAD+BY+0110::92++BUYER NAME' Consignor (Mandatory)
 NAD+SE+876543210::92++SELLER NAME' Seller (Mandatory)
 NAD+CN+0110::92++CONSIGNEE NAME+ WASHINGTON ROAD: SR5
 3NS+SUNDERLAND+ 0191 4156000+GB' Consignee (Mandatory)

Data Element Summary

Data Element	Component Element Name	Base Attributes	User Attributes
3035	PARTY QUALIFIER	M an..3	M
	BY = Buyer		
	SE = Seller		
	CN = Consignee		
C082	PARTY IDENTIFICATION DETAILS	C	M
3039	Party id. identification	M an..35	M
	Adient number		
1131	Code list qualifier	C an..3	N
3055	Code list responsible agency, coded	C an..3	M
	92 Assigned by buyer or buyer's agent		
C058	NAME AND ADDRESS	C	N
3124	Name and address line	M 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
C080	PARTY NAME	C	O
3036	Party name	M an..35	M
	Party Name in clear text.		
3036	Party name	C an..35	O
3036	Party name	C an..35	O
3036	Party name	C an..35	O
3036	Party name	C an..35	O
3045	Party name format, coded	C an..3	O

C059	STREET	C		N
3042	Street and number/p.o. box	M	an..35	M
	Building Name/Number and Street			
3042	Street and number/p.o. box	C	an..35	O
	Name and/or P.O. Box			
3042	Street and number/p.o. box	C	an..35	O
3042	Street and number/p.o. box	C	an..35	O
3164	CITY NAME	C	an..35	N
	City/Town, clear text.			
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	N
	County/State in clear text.			
3251	POSTCODE IDENTIFICATION	C	an..9	N
	Postal Code			
3207	COUNTRY, CODED	C	an..3	N
	ISO 3166 two alpha code			
	Refer to D.96A Data Element Dictionary for acceptable code values.			

Segment: **FTX** Free Text

Position: 0070
Group: SG2
Usage: Always transmitted
Max Use: 2
Purpose: A segment to give Free Text information concerning the Partner or Product.

Notes: Segment Notes.

This segment is used to specify the text if any
 Example :
 FTX +ZZZ+++ 371_ Side Airbag LH' Mandatory

Dependency Notes :

Data Element Summary

Data Element	Component Element Name	Base Attributes	User Attributes
4451	Text subject qualifier	M an..3	M
4453	Text function, coded	C an..3	
C107	TEXT REFERENCE	C	C
4441	Free text, coded	M an..3	
1131	Code list qualifier	C an..3	
3055	Code list responsible agency, coded	C an..3	

C108	TEXT LITERA	C		
	4440 Free text	M	an..70	M
	The Message to Supplier	C	an..70	M
	4440 Free text	C	an..70	N
	4440 Free text	C	an..70	N
	4440 Free text	C	an..70	N
	4440 Free text	C	an..70	N
3453		C	an..3	N

Segment: **SEQ** Sequence details
Position: 0080
Group: SG4 (SEQ-DTM-GIR-LOC-SG5-SG7)
Usage: Always transmitted
Max Use: 9999
Purpose: A segment providing specific details related to the delivery sequence requested by the buyer or recipient of the product.

Notes: Segment Notes.
This segment is necessary for structural integrity of the DELJIT message. It is repeated for each line item in the message
Example :
SEQ+3'

Data Element Summary

<u>Data Element</u>	<u>Component Element Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
1245	Status Indicator, Coded	C an..3	M
	3 = Created new		
C286	SEQUENCE INFORMATION	C	N
	1050 Sequence position identifier	M an..10	N
	1159 Sequence identifier source code	C an..3	N
	1131 Code list qualifier	C an..3	N
	3055 Code list responsible agency, coded	C an..3	N

Segment: **LIN** Line Item
Position: 0090
Group: SG7 (LIN-PIA-IMD-ALI-GIR-TDT-FTX-PAC-DTM-SG8-SG9-SG11)
Usage: Always transmitted
Max Use: 1
Purpose: A segment identifying the product being despatched.
 All other segments in the detail section following the LIN segment refer to that line item.

Notes: Segment Notes.

 This segment is used to identify the line item to be despatched.

 Example :

 LIN+++12345678:IN'

Data Element Summary

<u>Data Element</u>	<u>Component Element Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
1082	LINE ITEM NUMBER	C n..6	N
1229	ACTION REQUEST/NOTIFICATION, CODED	C an..3	N
C212	ITEM NUMBER IDENTIFICATION	C	M
	7140 Item number	C an..35	M
	Adiant part number.		
	7143 Item number type, coded	C an..3	M
	IN Buyer's item number		
	1131 Code list qualifier	C an..3	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	N
	1082 Line item number	C n..6	N
1222	CONFIGURATION LEVEL	C n..2	N
7083	CONFIGURATION, CODED	C an..3	N

Segment: **IMD** Item Description
Position: 00100
Group: SG7
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment for describing the product or service as well as product characteristics. This segment should be used for products or services that cannot be fully identified by a product code or article number.

Notes: Segment Notes.

 This segment provides a free-text description of the material to be despatched.

 Example:

 IMD+++1:::Plastic Fixture 1cm right:8800'

Data Element Summary				
Data Element	Component Element Name		Base Attributes	User Attributes
7077		ITEM DESCRIPTION TYPE, CODED	C an..3	N
7081		ITEM CHARACTERISTIC, CODED	C an..3	N
C273		ITEM DESCRIPTION	C	N
	7009	Item description identification Item Priority in PUS	C an..17	M
	1131	Code list qualifier	C an..3	N
	3055	Code list responsible agency, coded.	C an..3	N
	7008	Item description Adient description	C an..35	M
	7008	Item description Gross Weight for Item in PUS	C an..35	M
	3453	Language, coded	C an..3	N
7383		SURFACE/LAYER INDICATOR, CODED	C an..3	N

Segment: **PAC** Package

Position: 0110
Group: SG7
Usage: Mandatory
Max Use: 3
Purpose: A segment specifying the number and type of the packages/physical units and the physical type of packaging for the despatched goods.
Notes: Segment Notes.

This PAC segment can be used to identify the total number of packages per hierarchical level identified in the CPS segment, in a shipment. The contents of each package are subsequently described in the following LIN segment.
 Example :
 PAC+2+1:::+LEI11111111111125:102:92:200+F:Proseat-Foam-Container:SK:EA+:2'

Data Element Summary

Data Element	Component Element Name	Base Attributes	User Attributes
7224	NUMBER OF PACKAGES	C n..8	M
	Amount of handling units with the same packaging material and within the same outer handling unit.		
C531	PACKAGING DETAILS	C	N
7075	Packaging level, coded	C an..3	N
	Packaging level i.e. inner (1) or outer (3)		
7233	Packaging related information, coded	C an..3	O
7073	Packaging terms and conditions, coded	C an..3	O
C202	PACKAGE TYPE	C	M
7065	Type of packages identification	C an..17	M
	Identification number for the packaging material		
	Adient Number to be used 1131 Code list	C an..3	N
	qualifier „ 102 „		
3055	Code list responsible agency, coded	C an..3	C
	92 = Assigned by Buyer or Buyer's Agent		
7064	Type of packages	C an..35	M
	# Pack quantity		
C402	PACKAGE TYPE IDENTIFICATION	C	N
7077	Item description type, coded	M an..3	N
	"F " = Free form assigned by Buyer		
7064	Type of packages	M an..35	N
	Adient Packaging Material		
Type 7143	Item number type, coded	C an..3	N
	„ SK „ = Stock Keeping Unit		
7064	Type of packages	C an..35	N
	Unit of measure of Handling unit		
7143	Item number type, coded	C an..3	N

C532		RETURNABLE PACKAGE DETAILS	C	N
	8395	Returnable package freight payment responsibility, coded	C an..3	O
	8393	Returnable package load contents, coded " 2 " Empty container to be returned	C an..3	C

Segment: **RFF** Reference

Position: 0120

Group: SG8 (RFF-DTM)

Usage: Always transmitted

Max Use: 1

Purpose: A segment identifying documents or other numbers related to the line item as specified in the LIN segment.

Notes: Segment Notes.

This segment specifies the related Adient PO number and PO item number for this line item

Example :

RFF+ON:51523:00010' '

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C506		REFERENCE	M	M
	1153	Reference qualifier ON = Order number.	M an..3	M
	1154	Reference number Adient PO NO Adient DeliveryNO Adient Shipment NO	C an..35	M
	1156	Line number Item Number in PO	C an..6	M
	4000	Reference version number	C an..35	N

Segment: **LOC** Place/Location Identification
Position: 0130
Group: SG9 (LOC-SG10)
Usage: Conditional
Max Use: 1
Purpose: A segment indicating more details regarding specific places/locations related to the line item, e.g. internal site/building number.

Notes: Segment Notes:

 This segment specifies the dock code at the Adient plant, if used.

 Example:

 LOC+11+ABCD'
 LOC+159+1234'

Data Element Summary

<u>Data Element</u>	<u>Component Element Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3227	PLACE/LOCATION QUALIFIER	M an..3	M
	11 Place of discharge		
	159 Customer storage location		
C517	LOCATION IDENTIFICATION	C	M
	3225 Place/location identification	C an..25	M an..8
	Code identifying the receiving dock at the plant.		
	1131 Code list qualifier	C an..3	N
	3055 Code list responsible agency, coded	C an..3	N
	3224 Place/location	C an..70	N
C519	RELATED LOCATION ONE IDENTIFICATION	C	N
	3223 Related place/location one identification	C an..25	N
	1131 Code list qualifier	C an..3	N
	3055 Code list responsible agency, coded	C an..3	N
	3222 Related place/location one	C an..70	N
C553	RELATED LOCATION TWO IDENTIFICATION	C	N
	3233 Related place/location two identification	C an..25	N
	1131 Code list qualifier	C an..3	N
	3055 Code list responsible agency, coded	C an..3	N
	3232 Related place/location two	C an..70	N
5479	RELATION, CODED	C an..3	N

Segment: **QTY** Quantity
Position: 0140
Group: SG11
Usage: Always transmitted
Max Use: 3
Purpose: A segment to give quantity information concerning the product.

Notes: Segment Notes.

This segment is used to specify the quantity of the product identified in the LIN segment which is to be despatched. Cumulative quantities are transmitted optionally.

Example :

QTY+3:1200:PCE' Conditional (Optional)
 QTY+12:400:PCE' Mandatory

Dependency Notes :

DE 6411: This DE must be the same Unit of Measure provided on the corresponding shipment authorization document.)

Data Element Summary

<u>Data Element</u>	<u>Component Element Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C186	QUANTITY DETAILS	M	M
	6063 Quantity qualifier	M an..3	M
	3 Cumulative quantity		
	12 Despatch quantity		
	6060 Quantity	M n..15	M
	6411 Measure unit qualifier	C an..3	M

Refer to D.97A Data Element Dictionary for acceptable code values.

Segment: **UNT** Message Trailer
Position: 0150
Group:
Usage: Mandatory
Max Use: 1
Purpose: A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

Notes: The UNT segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.

Example :

UNT+45+1122334455

Data Element Summary

<u>Data Element</u>	<u>Component Element Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
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 reference number used in the UNH segment must be repeated here.		

Message Example:

UNB+UNOA:3+O0013007096JCIEUAG+RECEIVER::0711+110606:1400+183'
UNH+1122334455+DELJIT:D:97A:UN'
BGM+340+011012345678+9'
DTM+137:201106061400:203'
DTM+234:201106100900:203'
DTM+231:201106101200:203'
DTM+233:201106101200:203'
RFF+ADE:12323:00010'
RFF+SRN:123XX123:00010'
NAD+BY+0110::92++BUYER NAME'
NAD+SE+33210::92++SELLER NAME'
NAD+CN+0110::92++CONSIGNEE NAME+ WASHINGTON ROAD: SR5
3NS+SUNDERLAND+ 0191 4156000+GB'
FTX +ZZZ+++ 371_ Side Airbag LH'
SEQ+3'
LIN+00010++12345678:IN'
IMD+++1:::Plastic Fixture 1cm right:8800'
PAC+2+1:::+LEI111111111111123:102:92:200+F:Proseat-Foam-Container:SK:EA+:2'
RFF+ON:51523:00010'
LOC+11+ABCD'
LOC+159+1234'
QTY+3:1200:PCE'
QTY+12:400:PCE'
SEQ+3'
LIN+++23456789:IN'
IMD+++2:::Plastic Fixture 1cm left:7500'
PAC+2+1:::+LEI111111111111125:102:92:250+F:Pallet:SK:EA+:2'
RFF+ON:51523:00010'
LOC+11+ABCD'
LOC+159+1234'
QTY+12:500:PCE'
UNT+31+1122334455'
UNZ+1+183'

Document Revision

Version	Date	Description	Author
1.0	2011-06-06	Creation	Malte Poppensieker
2.0	2011-09-14	Review	Ralf Größle
3.0	2011-11-30	Added customer storage location to LOC and enhanced example.	Ralf Größle
4.0	17.07.2012	Updated as per new req	Raghava Bandrupalli
5.0	18.07.2012	Correction for PAC segment	Raghava Bandrupalli
6.0	2016-Aug-02	Modified JCI or Johnson Controls references to be Adient. Removed Johnson Controls logo and added Adient logo	Hemant Bhardwaj