GUIDE FOR
DESADV

Message Type	**DESADV**
Version	**D**
Release	**96A**

1.   Message Layout Diagram

Section	Segment			Description	Requirement	max.Repeat
H	UNB			Interchange Control Header	M	1
H	UNH			Message Header	M	1
H	BGM			Beginning of Message	M	1
H	DTM			Date/Time/Period	C	10
	Group	1			C	10
H		RFF		Reference	M	1
H		DTM		Date/Time/Period	C	1
	Group	2			C	10
H		NAD		Name and Address	M	1
	Group	10			C	9999
D		CPS		Consignment Packing Sequence	M	1
		Group	15		C	9999
D			LIN	Line Item	M	1
D			PIA	Additional Product ID	C	10
D			QTY	Quantity	C	10
			Group	16	C	10
D				RFF	Reference	M	1
S	UNT			Message Trailer	M	1
S	UNZ			Interchange Control Trailer	M	1

1.1.   Explanatory Requirements

M - Mandatory
EDIFACT dictates that the data element or segment must be present.

R – Required
The data element or segment is conditional in EDIFACT, but it is required by Diehl Controls

D - Depending
If the group 4 is present, the data element or segment is conditional otherwise it is required

C - Conditional
The data element or segment will be used by Diehl Controls, but it's not mandatory

N – Not used
The data element or segment will not be used by Diehl Controls

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2. Segment Description

2.1. Header Section

Information to be provided in the Header section

2.1.1. UNB Segment - Interchange Control Header

Requirement: M
Max. Repeat: 1

Purpose: To indicate the beginning of an interchange.

Composite/ Element		Element Description	Req	Data Type	Min/ Max Size	Diehl Controls Usage/ Qualifiers/Definition
S001		Syntax Identifier	M			
	0001	Syntax Identifier	M	AN	1/4	"UNOA" = UN/ECE Level A
	0002	Syntax Version Number	M	N	1/1	"1"
S002		Interchange Sender	M			
	0004	Sender Identification	M	AN	1/35	YOUR_SENDER_ID
	0007	Identification Code Qualifier	C	AN	1/4	
	0008	Address For Reverse Routing	C	AN	1/14	
S003		Interchange Recipient	M			
	0010	Recipient Identification	M	AN	1/35	DIEHLINF
	0007	Identification Code Qualifier	N	AN	1/4	
	0014	Routing Address	N	AN	1/14	
S004		Date/Time Of Preparation	M			
	0017	Date	M	N	6/6	YYMMDD
	0019	Time	M	N	4/4	HHMM
0020		Interchange Control Reference	M	N	1/14	123

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2.1.2. UNH Segment - Message Header

Requirement: M
Max. Repeat: 1

Purpose: A service segment starting and uniquely identifying a message. The message type code for the Despatch advice message is DESADV.

Composite/ Element		Element Description	Req	Data Type	Min/ Max Size	Diehl Controls Usage/ Qualifiers/Definition
0062		Message reference number	M	AN	1/14	
S009		Message Identifier	M			
	0065	Message Type Identifier	M	AN	1/6	"DESADV"
	0052	Message Type Version Number	M	AN	1/3	"D" (Draft)
	0054	Message Type Release Number	M	AN	1/3	"96A"
	0051	Controlling Agency	M	AN	1/2	"UN"
	0057	Association Assigned Code	R	AN	1/6	

2.1.3. BGM Segment - Beginning of Message

Requirement: M
Max. Repeat: 1

Purpose: A segment for unique identification of the Despatch Advice document, by means of its name and its number.

Composite/ Element		Element Description	Req	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C002		Document/Message Name	M			
	1001	Document/Message Name, Coded	M	AN	3/3	"351" = Despatch Advice
1004		Document/Message Number	M	AN	1/35	Delivery note number without special characters.
1225		Message Function, Coded	M	N	1/3	"9" = Original

2.1.4. DTM Segment - Date/Time/Period

Requirement: C
Max. Repeat: 10

Purpose: Date/time/period related to the whole message. The DTM segment must be specified at least once to identify the Despatch Advice date.

Composite/ Element		Element Description	Data Req	Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C507		Date/Time/Period	M			
	2005	Date/time/period qualifier	M	AN	1/3	"137" = Document/Message Date/Time "11" = Despatch Date/Time "17" = Delivery Date/Time, Estimated
	2380	Date/Time/Period	C	AN	1/35	Date
	2379	Date/Time/Period Format Qualifier	C	AN	1/3	"102" = CCYYMMDD

2.1.5. RFF Segment – Reference (Group 1)

Requirement: C
Max. Repeat: 1

Purpose: A segment for referencing documents relating to the whole despatch advice message, e.g. purchase orders, delivery instructions, import/export license.

Composite/ Element		Element Description	Data Req	Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C506		Reference	C			
	1153	Reference Qualifier	M	AN	1/3	"DQ" = Delivery Note Number
	1154	Reference Number	M	AN	1/35	Reference Number

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2.1.6. DTM Segment - Date/Time/Period (Group 1)

Requirement: **C**
Max. Repeat: **1**

Purpose: Date/time/period from the referred document

Composite/ Element		Element Description	Data Req	Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C507		Date/Time/Period	C			
	2005	Date/Time/Period Qualifier	M	AN	1/3	"171" = Reference Date/Time
	2380	Date/Time/Period	M	AN	1/35	Reference Date
	2379	Date/Time/Period Format Qualifier	M	AN	1/3	"102" = CCYYMMDD

2.1.7. NAD Segment - Name and Address (Group 2)

Requirement: **M**
Max. Repeat: **1**

Purpose: A segment for identifying names, addresses, and their functions relevant to the whole Despatch Advice. Identification of the parties involved is recommended for the Despatch Advice message, and is to be given in the NAD segment.

Composite/ Element		Element Description	Data Req	Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
3035		Party Qualifier	M	AN	1/3	"DP" = Delivery Party "BY" = Buyer "SU" = Supplier
C082		Party Identification Details	C			
	3039	Party Id Identification	M	AN	1/17	
	1131	Code List Qualifier	N	AN	1/3	
	3055	Code List Responsible Agency,	C	AN	1/3	"91" = Assigned by seller or seller's agent "92" = Assigned by buyer or buyer's agent
C058		Name and Address	C			
	3124	Name and Address Line	M	AN	1/35	
C080		Party Name	C			
	3036	Party Name	M	AN	1/35	

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2.2.   Detail Section

Information to be provided in the Detail section

2.2.1. CPS Segment – Consignment Packing Sequence (Group 10)

Requirement: **M**
Max. Repeat: **1**

Purpose: A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes
loaded onto a pallet.

Composite/ Element		Element Description	Req	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C504		Currency Details	M			
	7164	Hierarchical Id Number	M	AN	1/12	1, 2, 3 (increment by 1)
	7166	Hierarchical Parent Id	C	AN	1/12	
	7075	Packaging Level, Coded	C	AN	1/3	

No hierarchy needed, regardless of actual packing.

2.2.2. LIN Segment - Line Item (Group 15)

Requirement: **M**
Max. Repeat: **1**

Purpose: A segment identifying the product being despatched.

Composite/ Element		Element Description	Req	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
1082		line item number	M	N	1/6	Start with 1, increment by 1, must be unique
1229		action Request / Notification, Coded	N	AN	1/3	
C212		Item Number Identification	M			
	7140	Item Number	M	AN	1/35	Part Number (Article number)
	7143	Item Number Type, Coded	M	AN	1/3	”VP” = Vendor’s (seller’s) part number ”BP” = Buyer’s part number

2.2.3. PIA Segment - Additional Product ID (Group 15)

Requirement: **C**
Max. Repeat: **1**

Purpose: A segment providing additional product identification.

Composite/ Element		Element Description	Req	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
4347		Product Id Function Qualifier	M	AN	1/3	”1” = Additional identification
C212		Item Number Identification	M			
	7140	Item Number	M	AN	1/35	Part number (Article number)
	7143	Item Number Type, Coded	M	AN	1/3	”VP” = Vendor's (seller's) part number ”BP” = Buyer's part number

2.2.4. QTY Segment – Quantity (Group 15)

Requirement: **C**
Max. Repeat: **1**

Purpose: A segment to specify quantity for the given location.

Composite/ Element		Element Description	Req	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C186		Quantity Details	M			
	6063	Quantity Qualifier	M	AN	1/3	”12” = Despatched quantity
	6060	Quantity	M	N	1/15	Total quantity for the line item
	6411	Measure Unit Qualifier	C	AN	1/3	”PCE” = Pieces

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2.2.5. RFF Segment - Reference (Group 16)

Requirement: **M**
Max. Repeat: **1**

Purpose: A segment identifying documents related to the line item.

Composite/ Element		Element Description	Req	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C506		Reference	C			
	1153	Reference Qualifier	M	AN	1/3	"ON" = Order Number
	1154	Reference Number	C	AN	1/35	
	1156	Line Item Number	C	AN	1/6	

2.2.6. UNT Segment - Message Trailer (Summary)

Requirement: **M**
Max. Repeat: **1**

Purpose: To end and check the completeness of a message.

Composite/ Element		Element Description	Req	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
0074		Number Of Segments In A Message	M	N	1/6	Number of segments including UNH & UNT
0062		Message Reference Number	M	AN	1/14	Must be identical to the message reference number in the UNH segment

2.2.7. UNZ Segment - Interchange Control Trailer (Summary)

Requirement: **M**
Max. Repeat: **1**

Purpose: To end and check the completeness of an interchange.

Composite/ Element		Element Description	Req	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
0036		Interchange Control Count	M	N	1/6	Number of messages in a interchange
0020		Interchange Control Reference	M	AN	1/14	Must be identical to the interchange control reference in the UNB segment

3. Example

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UNB+UNOA:1+BUYERID+SUPPLIERID+151210:1512+432'
UNH+1+DESADV:D:96A:UN:EAN005'
BGM+351+15014063+9'
DTM+137:151209:102'
DTM+11:151209:102'
DTM+17:151208:102'
RFF+DQ:15014063'
NAD+BY+10405::9'
NAD+SU+10405::9'
NAD+DP+0001::9'
CPS+1'
LIN+++000720667-05:BP'
PIA+1+E-0626:ON'
QTY+12:11385:PCE'
RFF+ON:55019596:1'
CPS+2'
LIN+++000720666-02:BP'
PIA+1+E-0627:ON'
QTY+12:15120:PCE'
RFF+ON:55019764:1'
CPS+3'
LIN+++000725417-00:BP'
PIA+1+E-0598:ON'
QTY+12:24500:PCE'
RFF+ON:55019547:1'
UNT+25+1'
UNZ+1+432'
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