



EDIFACT DESADV D99B Guideline

17.09.2013

Version 1.0



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Specifications for EDIFACT DESADV D99B
Introduction

This document describes the message of an advanced shipping notification (ASN) from suppliers to Danfoss Power Solutions.

Danfoss Power Solutions uses the EDIFACT standard D99B. This specification is included as well as examples of its uses.

Technical communication

Danfoss Power Solutions offers only two communication channels:

Value Added Network (VAN)

Danfoss Power Solutions currently uses the IBM Sterling B2B Integration network, including interconnects to other networks and communication protocols.

Please contact srhelp@us.ibm.com or visit <http://www.ibm.com/support>.

UNB Information

Test

UNB ID qualifier: **ZZ**

UNB receiver-ID: **DANFOSSPSTST**

Production

UNB ID qualifier: **ZZ**

UNB receiver-ID: **DANFOSSPS**

EDI-Contact:

PS.EDI@Danfoss.com



Specifications for EDIFACT DESADV D99B
Legend:

The following abbreviations are used:

Status : M = Mandatory
 C = Conditional
 R = Required
 N = not used

Format : an = alphanumeric
 n = numeric

Examples:

an..14 → alphanumeric, up to 14 digits
n8 → numeric, eight digits long



Specifications for EDIFACT DESADV D99B

Message structure

Tag Name	Repetitions	Status
HEADER SECTION		
UNH Message header	M	1
BGM Beginning of message	M	1
DTM Date/time/period	C	10
MEA Measurements	C	5
----- Segment group 1 (SG01)-----	C	10-----
RFF Reference	M	1
----- Segment group 2 (SG02) -----	C	99-----
NAD Name and address	M	1
LOC Place/location identification	C	10
----- Segment group 6 (SG06) -----	C	10-----
TDT Details of transport	M	1
DETAIL SECTION		
----- Segment group 10 (SG10) -----	C	9999-----
CPS Consignment packing sequence	M	1
----- Segment group 11 (SG11) -----	C	9999-----
PAC Package	M	1
QTY Quantity	C	10
----- Segment group 13 (SG13) -----	C	1000-----
PCI Package identification	M	1
RFF Reference	C	1
----- Segment group 15 (SG15) -----	C	99-----
GIN Goods identity number	M	1
----- Segment group 17 (SG17) -----	C	9999-----
LIN Line item	M	1
PIA Additional product id	C	10
IMD Item description	C	25
QTY Quantity	C	10
ALI Additional information	C	10
----- Segment group 18 (SG18) -----	C	99-----
RFF Reference	M	1
SUMMARY SECTION		
CNT Control total	C	5
UNT Message trailer	M	1



Specifications for EDIFACT DESADV D99B
UNB - INTERCHANGE HEADER

Function: To identify an interchange

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
S001	SYNTAX IDENTIFIER	M		
0001	Syntax identifier	M	an..4	"UNOC"
0002	Syntax version number	M	an..1	"3"
S002	INTERCHANGE SENDER	M		
0004	Interchange sender identification	M	an..35	Sender-ID
0007	Identification code qualifier	N	an..4	
0008	Interchange sender internal identification	N	an..35	
S003	INTERCHANGE RECIPIENT	M		
0010	Interchange recipient identification	M	an..35	"DANFOSSPS" or "DANFOSSPSTST"
0007	Identification code qualifier	N	an..4	
0014	Interchange recipient internal identification	N	an..35	
S004	DATE AND TIME OF PREPARATION	M		
0017	Date	M	N6	Actual date (Format = YYMMDD)
0019	Time	M	n4	Actual time (Format = hhmm)
0020	Interchange control reference	M	an..14	Sequential number
S005	RECIPIENT'S REFERENCE/PASSWORD DETAILS	N	C	
0022	Recipient reference/password	M	an..14	
0025	Recipient reference/password qualifier	C	an..2	
0026	Application reference	N	an..14	
0029	Processing priority code	N	an..1	
0031	Acknowledgement request	N	an..1	
0032	Interchange agreement identifier	N	an..35	
0035	Test indicator	R	n1	1 = TEST, 0 = PROD



Specifications for EDIFACT DESADV D99B

UNH - MESSAGE HEADER

Function: To identify and specify a message

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
0062	Message reference number	M	an..14	Message reference number
S009	MESSAGE IDENTIFIER	M		
0065	Message type	M	an..6	"DESADV"
0052	Message version number	M	an..3	"D"
0054	Message release number	M	an..3	"99B"
0051	Controlling agency, coded	M	an..3	"UN"
0057	Association assigned code	N	an..6	
0068	Common access reference	N	an..35	
S010	STATUS OF THE TRANSFER	N		
0070	Sequence of transfers	M	n..2	
0073	First and last transfer	C	a1	



Specifications for EDIFACT DESADV D99B

Header Information

BGM - BEGINNING OF MESSAGE

Function: To indicate the type and function of a message and to transmit the identifying number.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
C002	DOCUMENT/MESSAGE NAME	R		
1001	Document name code	R	an..3	"351" = Dispatch advise
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	N	an..3	
1000	Document name	N	an..35	
C106	DOCUMENT/MESSAGE IDENTIFICATION	R		
1004	Document/message number	R	an..35	Dispatch Number
1056	Version	N	an..9	
1060	Revision number	N	an..6	
1225	MESSAGE FUNCTION CODE	N	an..3	
4343	RESPONSE TYPE CODE	N	an..3	



Specifications for EDIFACT DESADV D99B

DTM - DATE/TIME/PERIOD

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

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
C507	DATE/TIME/PERIOD	M		
2005	Date/time/period function code qualifier	M	an..3	"137" = Document/message date/time
2380	Date/time/period value	R	an..35	Document Date (Format = CCYYMMDDHHMM")
2379	Date/time/period format code	R	an..3	"203"

DTM - DATE/TIME/PERIOD

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

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
C507	DATE/TIME/PERIOD	M		
2005	Date/time/period function code qualifier	M	an..3	"132" = Arrival date/time, estimated
2380	Date/time/period value	R	an..35	Estimated arrival date (Format = CCYYMMDDHHMM")
2379	Date/time/period format code	R	an..3	"203"

DTM - DATE/TIME/PERIOD

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

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
C507	DATE/TIME/PERIOD	M		
2005	Date/time/period function code qualifier	M	an..3	"11" = dispatch date and/or time
2380	Date/time/period value	R	an..35	Dispatch date (Format = CCYYMMDDHHMM")
2379	Date/time/period format code	R	an..3	"203"



Specifications for EDIFACT DESADV D99B

MEA - MEASUREMENTS (Gross weight)

Function: To specify physical measurements, including dimension tolerances, weights and counts.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
6311	MEASUREMENT ATTRIBUTE CODE	M	an..3	"AAX" = Consignment measurement
C502	MEASUREMENT DETAILS	R		
6313	Measured attribute code	R	an..3	"G" = Gross weight
6321	Measurement significance, coded	N	an..3	
6155	Non-discrete measurement name code	N	an..17	
6154	Non-discrete measurement name	N	an..70	
C174	VALUE/RANGE	R		
6411	Measurement unit code	M	an..3	"KGM" = Kilogram
6314	Measurement value	R	an..18	Gross weight value (with one decimal digit) e.g. 195.6
6162	Range minimum	N	n..18	
6152	Range maximum	N	n..18	
6432	Significant digits	N	n..2	
7383	SURFACE/LAYER CODE	N	an..3	

Gross weight of all handling units in the UNH-UNT

Specifications for EDIFACT DESADV D99B

MEA - MEASUREMENTS (Net weight)

Function: To specify physical measurements, including dimension tolerances, weights and counts.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
6311	MEASUREMENT ATTRIBUTE CODE	M	an..3	"AAX" = Consignment measurement
C502	MEASUREMENT DETAILS	R		
6313	Measured attribute code	R	an..3	"N" = Actual Net Weight
6321	Measurement significance, coded	N	an..3	
6155	Non-discrete measurement name code	N	an..17	
6154	Non-discrete measurement name	N	an..70	
C174	VALUE/RANGE	R		
6411	Measurement unit code	M	an..3	"KGM" Kilogram
6314	Measurement value	R	an..18	Net weight value(with one decimal digit) e.g. 134.1
6162	Range minimum	N	n..18	
6152	Range maximum	N	n..18	
6432	Significant digits	N	n..2	
7383	SURFACE/LAYER CODE	N	an..3	

Net weight of all handling units in the UNH-UNT



Specifications for EDIFACT DESADV D99B

RFF - REFERENCE

Function: To specify a reference.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
C506	REFERENCE	M		
1153	Reference function code qualifier	M	an..3	"AAS" = Transport document number
1154	Reference identifier	R	an..35	Transport document number value
1156	Line number	N	an..6	
4000	Reference version identifier	N	an..35	
1060	Revision number	N	an..6	



Specifications for EDIFACT DESADV D99B

NAD - NAME AND ADDRESS (Buyer)

Function: To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	"BY" = Buyer
C082	PARTY IDENTIFICATION DETAILS	R		
3039	Party identifier	M	an..35	Buyer
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	R	an..3	"92" = Assigned by buyer
C058	NAME AND ADDRESS	N		
3124	Name and address line	M	an..35	
3124	Name and address line	N	an..35	
3124	Name and address line	N	an..35	
3124	Name and address line	N	an..35	
3124	Name and address line	N	an..35	
C080	PARTY NAME	R		
3036	Party name	M	an..35	Name
3036	Party name	N	an..35	
3036	Party name	N	an..35	
3036	Party name	N	an..35	
3036	Party name	N	an..35	
3045	Party name format code	N	an..3	
C059	STREET	R		
3042	Street and number/p.o. box	M	an..35	Street and number
3042	Street and number/p.o. box	N	an..35	
3042	Street and number/p.o. box	N	an..35	
3042	Street and number/p.o. box	N	an..35	
3164	CITY NAME	R	an..35	City
C819	COUNTRY SUB-ENTITY DETAILS	N		
3229	Country sub-entity name code	N	an..9	
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	N	an..3	
3228	Country sub-entity name	N	an..35	
3251	POSTAL IDENTIFICATION CODE	R	an..17	Zip-Code



Specifications for EDIFACT DESADV D99B
3207 | COUNTRY NAME | R | an..3 | Country
CODE



Specifications for EDIFACT DESADV D99B

NAD - NAME AND ADDRESS (Consignee)

Function: To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	"CN" = Consignee
C082	PARTY IDENTIFICATION DETAILS	R		
3039	Party identifier	M	an..35	Consignee (Our plant-id)
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	R	an..3	"92" = Assigned by buyer
C058	NAME AND ADDRESS	N		
3124	Name and address line	M	an..35	
3124	Name and address line	N	an..35	
3124	Name and address line	N	an..35	
3124	Name and address line	N	an..35	
3124	Name and address line	N	an..35	
C080	PARTY NAME	R		
3036	Party name	M	an..35	Name
3036	Party name	N	an..35	
3036	Party name	N	an..35	
3036	Party name	N	an..35	
3036	Party name	N	an..35	
3045	Party name format code	N	an..3	
C059	STREET	R		
3042	Street and number/p.o. box	M	an..35	Street and number
3042	Street and number/p.o. box	N	an..35	
3042	Street and number/p.o. box	N	an..35	
3042	Street and number/p.o. box	N	an..35	
3164	CITY NAME	R	an..35	City
C819	COUNTRY SUB-ENTITY DETAILS	N		
3229	Country sub-entity name code	N	an..9	
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	N	an..3	
3228	Country sub-entity name	N	an..35	
3251	POSTAL IDENTIFICATION CODE	R	an..17	Zip-Code



Specifications for EDIFACT DESADV D99B
3207 | COUNTRY NAME | R | an..3 | Country
CODE



Specifications for EDIFACT DESADV D99B

LOC - PLACE/LOCATION IDENTIFICATION

Function: To identify a place or a location and/or related locations.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
3227	LOCATION FUNCTION CODE QUALIFIER	M	an..3	"11" = Place/port of discharge
C517	LOCATION IDENTIFICATION	R		
3225	Location name code	R	an..25	Place of discharge
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	R	an..3	
3224	Location name	N	an..256	
C519	RELATED LOCATION ONE IDENTIFICATION	N		
3223	Related place/location one identification	C	an..25	
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	
3222	Related place/location one	C	an..70	
C553	RELATED LOCATION TWO IDENTIFICATION	N		
3233	Related place/location two identification	C	an..25	
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	
3232	Related place/location two	C	an..70	
5479	RELATION, CODED	N	an..3	



Specifications for EDIFACT DESADV D99B

LOC - PLACE/LOCATION IDENTIFICATION

Function: To identify a place or a location and/or related locations.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
3227	LOCATION FUNCTION CODE QUALIFIER	M	an..3	"159" = Additional internal destination
C517	LOCATION IDENTIFICATION	R		
3225	Location name code	R	an..25	Additional internal destination
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	R	an..3	
3224	Location name	N	an..256	
C519	RELATED LOCATION ONE IDENTIFICATION	N		
3223	Related place/location one identification	C	an..25	
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	
3222	Related place/location one	C	an..70	
C553	RELATED LOCATION TWO IDENTIFICATION	N		
3233	Related place/location two identification	C	an..25	
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	
3232	Related place/location two	C	an..70	
5479	RELATION, CODED	N	an..3	

Specifications for EDIFACT DESADV D99B

NAD - NAME AND ADDRESS (Supplier)

Function: To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	"SU" = Supplier
C082	PARTY IDENTIFICATION DETAILS	R		
3039	Party identifier	M	An..35	Supplier-Number
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	R	an..3	"92" = Assigned by buyer
C058	NAME AND ADDRESS	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	R		
3036	Party name	M	An..35	Name
3036	Party name	N	An..35	
3036	Party name	N	An..35	
3036	Party name	N	An..35	
3036	Party name	N	An..35	
3045	Party name format code	N	an..3	
C059	STREET	R		
3042	Street and number/p.o. box	M	An..35	Street and number
3042	Street and number/p.o. box	N	An..35	
3042	Street and number/p.o. box	N	An..35	
3042	Street and number/p.o. box	N	An..35	
3164	CITY NAME	R	An..35	City
C819	COUNTRY SUB-ENTITY DETAILS	N		
3229	Country sub-entity name code	C	an..9	
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	
3228	Country sub-entity name	C	An..35	
3251	POSTAL IDENTIFICATION CODE	R	An..17	Zip-Code



Specifications for EDIFACT DESADV D99B
3207 | COUNTRY NAME | R | an..3 | Contry
CODE



Specifications for EDIFACT DESADV D99B

NAD - NAME AND ADDRESS (Carrier)

Function: To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	"CA" = Carrier
C082	PARTY IDENTIFICATION DETAILS	R		
3039	Party identifier	M	An..35	Carrier-Number
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	R	an..3	"92" = Assigned by buyer
C058	NAME AND ADDRESS	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	R		
3036	Party name	M	An..35	Name
3036	Party name	N	An..35	
3036	Party name	N	An..35	
3036	Party name	N	An..35	
3036	Party name	N	An..35	
3045	Party name format code	N	an..3	
C059	STREET	N		
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	N	An..35	
C819	COUNTRY SUB-ENTITY DETAILS	N		
3229	Country sub-entity name code	C	an..9	
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	
3228	Country sub-entity name	C	an..35	
3251	POSTAL IDENTIFICATION CODE	N	an..17	



Specifications for EDIFACT DESADV D99B

3207	COUNTRY NAME CODE	N	an..3
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TDT - DETAILS OF TRANSPORT

Function: To specify the transport details such as mode of transport

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
8051	TRANSPORT STAGE CODE QUALIFIER	M	an..3	"12" = At departure
8028	CONVEYANCE REFERENCE NUMBER	N	an..17	
C220	MODE OF TRANSPORT	R		
8067	Transport mode name code	R	an..3	"10" = Sea "20" = Rail "30" = Road "40" = Air
8066	Transport mode name	N	an..17	
C228	TRANSPORT MEANS	N		
8179	Transport means description code	C	an..8	
8178	Transport means description	C	an..17	
C040	CARRIER	N		
3127	Carrier identification	C	an..17	
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	
3128	Carrier name	C	an..35	
8101	TRANSIT DIRECTION INDICATOR CODE	C	an..3	
C401	EXCESS TRANSPORTATION INFORMATION	N		
8457	Excess transportation reason, coded	M	an..3	
8459	Excess transportation responsibility, coded	M	an..3	
7130	Customer authorization number	C	an..17	
C222	TRANSPORT IDENTIFICATION	N		
8213	Transport means identification name identifier	C	an..9	"146" = Means of transport identification
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	



Specifications for EDIFACT DESADV D99B

8212	Transport means identification name	C	an..35	Vessel Name / Flight Number / Bill of lading
8453	Nationality of means of transport, coded	C	an..3	
8281	TRANSPORT OWNERSHIP, CODED	C	an..3	



Specifications for EDIFACT DESADV D99B

Position Information

CPS - CONSIGNMENT PACKING SEQUENCE

Function: To identify the sequence in which physical packing is presented in the consignment,
And optionally to identify the hierarchical relationship between packing layers.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
7164	HIERARCHICAL STRUCTURE LEVEL IDENTIFIER	M	an..35	Hierarchical structure level identifier
7166	HIERARCHICAL STRUCTURE PARENT IDENTIFIER	N	an..35	
7075	PACKAGING LEVEL, CODED	R	an..3	"1"



Specifications for EDIFACT DESADV D99B

PAC - PACKAGE

Function: To describe the number and type of packages/physical units.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
7224	NUMBER OF PACKAGES	R	n..8	Number of packages
C531	PACKAGING DETAILS	N		
7075	Packaging level, coded	N	an..3	
7233	Packaging related description code	N	an..3	
7073	Packaging terms and conditions, coded	N	an..3	
C202	PACKAGE TYPE	R		
7065	Package type description code	R	an..17	
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	R	an..3	
7064	Type of packages	C	an..35	
C402	PACKAGE TYPE IDENTIFICATION	N		
7077	Item description type, coded	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	N		
8395	Returnable package freight payment responsibility, coded	C	an..3	
8393	Returnable package load contents, coded	C	an..3	



Specifications for EDIFACT DESADV D99B

QTY - QUANTITY

Function: To specify a pertinent quantity.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
C186	QUANTITY DETAILS	M		
6063	Quantity type code qualifier	M	an..3	"52" Quantity per Pack
6060	Quantity	M	an..35	Quantity of articles in the package With one decimal digit e.g. 81.4
6411	Measurement unit code	R	an..3	



Specifications for EDIFACT DESADV D99B

PCI - PACKAGE IDENTIFICATION

Function: To specify markings and labels on individual packages or physical units.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
4233	MARKING INSTRUCTIONS, CODED	N	an..3	
C210	MARKS & LABELS	N		
7102	Shipping marks	M	an..35	
7102	Shipping marks	C	an..35	
7102	Shipping marks	C	an..35	
7102	Shipping marks	C	an..35	
7102	Shipping marks	C	an..35	
7102	Shipping marks	C	an..35	
7102	Shipping marks	C	an..35	
7102	Shipping marks	C	an..35	
7102	Shipping marks	C	an..35	
7102	Shipping marks	C	an..35	
8275	CONTAINER OR PACKAGE STATE, CODED	N	an..3	
C827	TYPE OF MARKING	R		
7511	Type of marking, coded	M	an..3	"S" Simplified Handling Unit / Inner Package
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	R	an..3	"10"



Specifications for EDIFACT DESADV D99B

RFF - REFERENCE

Function: To specify a reference.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
C506	REFERENCE	M		
1153	Reference function code qualifier	M	an..3	"ACI" Outer Packaging Unit Identification
1154	Reference identifier	R	an..35	Handling Unit
1156	Line number	N	an..6	
4000	Reference version identifier	N	an..35	
1060	Revision number	N	an..6	



Specifications for EDIFACT DESADV D99B

GIN - GOODS IDENTITY NUMBER

Function: To give specific identification numbers, either as single numbers or ranges.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
7405	OBJECT IDENTIFICATION CODE QUALIFIER	M	an..3	"ML"
C208	IDENTITY NUMBER RANGE	M		
7402	Object identifier	M	an..35	Label Number (SSCC Serial Shipping Container Code)
7402	Object identifier	C	an..35	
C208	IDENTITY NUMBER RANGE	C		
7402	Object identifier	M	an..35	
7402	Object identifier	C	an..35	
C208	IDENTITY NUMBER RANGE	C		
7402	Object identifier	M	an..35	
7402	Object identifier	C	an..35	
C208	IDENTITY NUMBER RANGE	C		
7402	Object identifier	M	an..35	
7402	Object identifier	C	an..35	
C208	IDENTITY NUMBER RANGE	C		
7402	Object identifier	M	an..35	
7402	Object identifier	C	an..35	



Specifications for EDIFACT DESADV D99B

LIN - LINE ITEM

Function: To identify a line item and configuration.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
1082	LINE ITEM NUMBER	N	an..6	
1229	ACTION REQUEST/NOTIFICATION DESCRIPTION CODE	N	an..3	
C212	ITEM NUMBER IDENTIFICATION	R		
7140	Item number	R	an..35	Buyers Item Number
7143	Item type identification code	R	an..3	"IN"
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	N	an..3	
C829	SUB-LINE INFORMATION	N		
5495	Sub-line indicator, coded	C	an..3	
1082	Line item number	C	an..6	
1222	CONFIGURATION LEVEL	N	n..2	
7083	CONFIGURATION, CODED	N	an..3	



Specifications for EDIFACT DESADV D99B

PIA – Additional product id

UN / EDIFACT	Required Implementation
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Function: To specify additional or substitution item



Specifications for EDIFACT DESADV D99B

Tag	Description	Stat.	Format	Values / Comments
4347	PRODUCT ID. FUNCTION QUALIFIER	M	an..3	"5" Product identification
C212	ITEM NUMBER IDENTIFICATION	M		
7140	Item number	R	an..35	Item number
7143	Item type identification code	N	an..3	"SA" Supplier 's Part Number
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	N	an..3	
C212	ITEM NUMBER IDENTIFICATION	N		
7140	Item number	C	an..35	
7143	Item type identification code	C	an..3	
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	
C212	ITEM NUMBER IDENTIFICATION	N		
7140	Item number	C	an..35	
7143	Item type identification code	C	an..3	
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	
C212	ITEM NUMBER IDENTIFICATION	N		
7140	Item number	C	an..35	
7143	Item type identification code	C	an..3	
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	
C212	ITEM NUMBER IDENTIFICATION	N		
7140	Item number	C	an..35	
7143	Item type identification code	C	an..3	
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	

Identification codes.



Specifications for EDIFACT DESADV D99B

IMD - ITEM DESCRIPTION

UN / EDIFACT				Required implementation
Tag	Description	Stat.	Format	Values / Comments
7077	ITEM DESCRIPTION TYPE, CODED	R	an..3	"F" Free form
C272	ITEM CHARACTERISTIC	N		
7081	Item characteristic code	C	an..3	
1131	Code list identification code	C	an..3	
3055	Code list responsible agency code	C	an..3	
C273	ITEM DESCRIPTION	R		
7009	Item description identification	R	an..17	"BP" Buyer's part
1131	Code list identification code	N	an..3	
3055	Code list responsible agency code	N	an..3	
7008	Item description	R	an..256	Article description
7008	Item description	N	an..256	
3453	Language name code	N	an..3	
7383	SURFACE/LAYER CODE	N	an..3	

Function: To describe an item in either an industry or free format



Specifications for EDIFACT DESADV D99B

QTY - QUANTITY

Function: To specify a pertinent quantity.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
C186	QUANTITY DETAILS	M		
6063	Quantity type code qualifier	M	an..3	"52"
6060	Quantity	M	an..35	Quantity
6411	Measurement unit code	R	an..3	"PCE / KGM / MTR / aso."



Specifications for EDIFACT DESADV D99B

ALI - ADDITIONAL INFORMATION

Function: To indicate that special conditions due to the origin, customs preference, fiscal or commercial factors are applicable.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
3239	COUNTRY OF ORIGIN, CODED	R	an..3	Country of origin
9213	TYPE OF DUTY REGIME, CODED	N	an..3	
4183	SPECIAL CONDITION CODE	N	an..3	
4183	SPECIAL CONDITION CODE	N	an..3	
4183	SPECIAL CONDITION CODE	N	an..3	
4183	SPECIAL CONDITION CODE	N	an..3	
4183	SPECIAL CONDITION CODE	N	an..3	



Specifications for EDIFACT DESADV D99B

RFF - REFERENCE

Function: To specify a reference.

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
C506	REFERENCE	M		
1153	Reference function code qualifier	M	an..3	"ON"
1154	Reference identifier	R	an..35	Our Order Number
1156	Line number	R	an..6	Line Number from our Order Number
4000	Reference version identifier	N	an..35	
1060	Revision number	N	an..6	



Specifications for EDIFACT DESADV D99B

UNT - MESSAGE TRAILER

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

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
0074	Number of segments in a message	M	n..10	
0062	Message reference number	M	an..14	



Specifications for EDIFACT DESADV D99B

UNZ - INTERCHANGE TRAILER

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

UN / EDIFACT				Required Implementation
Tag	Description	Stat.	Format	Values / Comments
0036	Interchange control count	M	n..6	
0020	Interchange control reference	M	An..14	



Specifications for EDIFACT DESADV D99B

Overview of a file with groups and notes

```
UNB+UNOC:3+<Sender>+<Receiver>:ZZ+090821:0300+43'  
UNH+1+DESADV:D:99B:UN'  
BGM+351+<Reference_Number>'  
DTM+137:200909170101:203' → Document date/time  
DTM+132:200909170101:203' → estimated arrival  
                                date/time  
DTM+11:200909170101:203' → dispatch date/time  
MEA+AAX+G+KGM:222.2' → Gross weight  
MEA+AAX+N+KGM:111.1' → net weight  
-----  
SG01 RFF+AAS:<Transport document number>'  
-----  
SG02 NAD+CN+<Consignee>::92'  
      LOC+11+<Place/Port of discharge>::92'  
      LOC+159+<Storage Location>::92'  
-----  
SG02 NAD+SU+<Supplier>::92'  
-----  
SG02 NAD+CA+<Carrier>::92'  
-----  
SG02 NAD+BY+<Buyer>::92'  
-----  
SG06 TDT+12++10+++++:::<e.g. Vessel>' → Transportation  
                                details.  
-----  
SG10 CPS+1++1' → hierarchical ID  
                                number  
-----  
| SG11 PAC+1++<Package-Type>::92' → Packaging  
|     QTY+52:210:PCE' → QTY per package  
|     | SG13 PCI++++S::10' → Packaging  
|     |     RFF+ACI:<Handling Unit>' → identifications  
|     |     | SG15 GIN+ML+<Package Label Number>' → SSCC  
|     |     | SG17 LIN+++<Buyers Item number>:IN'  
|     |     |     PIA+5+<Supplier's Part Number>:SA'  
|     |     |     IMD+F++BP:::<Article description>'  
|     |     |     QTY+52:210:PCE' → dispatch quantity  
|     |     |     ALI+DK' → Country of origin  
|     |     |     | SG18 RFF+ON:<Order Number>:<Line Number>'  
|     |     |     |  
|     |     |     | UNT+22+1'  
|     |     |     | UNZ+1+43'  
|-----|  
-----
```



Specifications for EDIFACT DESADV D99B

Logic of handling units

UNH+1+DESADV:D:99B:UN:GMI021'	Service Segment
BGM+351+1234'	Dispatch Advise Number
DTM+137:200909170101:203'	Document Date
DTM+132:200909170101:203'	Estimated Arrival Date
DTM+11:200909170101:203'	Dispatch Datde
MEA+AAX+G+KGM:222.22'	Gross Weight
MEA+AAX+N+KGM:111.11'	Net Weight
RFF+AAS:9876'	Transport Document Number
NAD+ST+1111::92'	Ship-to-Party
LOC+11+Wareneingang::92'	Unloading oint
NAD+SU+2222::92'	Supplier
NAD+CA+3333::92'	Carrier
TDT+12++010'	Transportation Details
CPS+1++1'	Line number for inner package package and 1st article number
PAC+1++PT-111::92'	Number of Packages, Package Type
QTY+52:10:C62'	Quantity of Atricles in the Package
PCI++++S::10'	Handling Unit Category (Mixed)
RFF+ACI:HU-111'	Reference to Handling Unit
GIN+ML+PL-111'	Package Label Number
LIN+++MAT-111:IN'	Buyer's Article Number
QTY+52:10:EA'	Dispatch Quantity
ALI+DK'	Country of Origin
RFF+ON:ON-999:10'	Buyer's Ordernumber and Line number
CPS+2++1'	Line number for inner package package and 2nd article number
PAC+2++PT-111::92'	Number of Packages, Package Type
QTY+52:15:C62'	Quantity of Atricles in the Package
PCI++++S::10'	Handling Unit Category (Mixed)
RFF+ACI:HU-111'	Reference to Handling Unit
GIN+ML+PL-222+PL-333'	Package Label Number
LIN+++MAT-222'	Buyer's Article Number
QTY+52:30:EA'	Dispatch Quantity
ALI+DK'	Country of Origin
RFF+ON:ON-999:10'	Buyer's Ordernumber and Line number
CPS+3++1'	Line number for inner package package and 3rd article number
PAC+1++PT-222	Number of Packages, Package Type
QTY+52:210:EA'	Quantity of Atricles in the Package
PCI++++M::10'	Handling Unit Category (Homogeneous)
RFF+ACI:HU-222	Reference to Handling Unit
GIN+ML+PL-444+PL-555+PL-666+PL-777'	Package Label Number
LIN+++MAT-333'	Buyer's Article Number
QTY+52:210:EA'	Dispatch Quantity
ALI+DK'	Country of Origin
RFF+ON:ON-888:10'	Buyer's Ordernumber and Line number
PAC+1++PT-333	Number of Packages, Package Type
QTY+52:210:EA'	Quantity of Atricles in the Package
PCI++++S::10'	Handling Unit Category (Homogeneous)
RFF+ACI:HU-333	Reference to Handling Unit
GIN+ML+PL-888'	Package Label Number
LIN+++MAT-333'	Buyer's Article Number
QTY+52:210:EA'	Dispatch Quantity
ALI+DK'	Country of Origin



Specifications for EDIFACT DESADV D99B

RFF+ON:ON-888:20'

Buyer's Ordernumber and Line number

UNT+22+1'

Trailer Segment

Package Type: PT-111 Package Type: PT-222 Package Type: PT-333

