



Message Implementation Guideline

EDIFACT DESADV D.97A for suppliers (Benteler Global)

based on

DESADV

Despatch advice message

UN D.97A S3

Version: 1.5
Issue date: 12.01.2024
Author: Benteler

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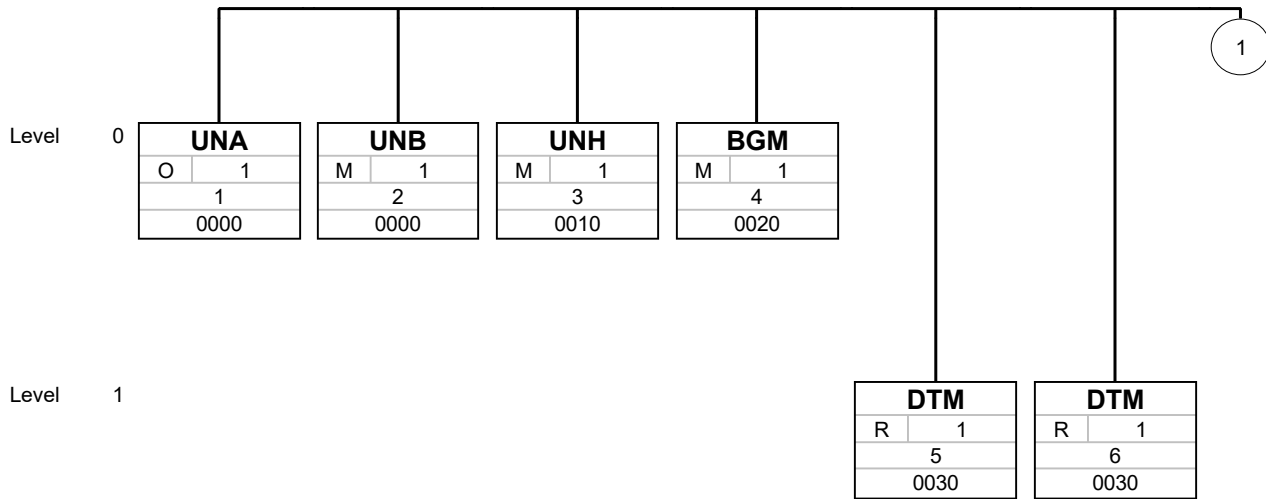
Structure / Table of Contents

Counter	No	Tag	St	MaxOcc	Level	Content
0000	1	UNA	O	1	0	SERVICE STRING ADVICE
0000	2	UNB	M	1	0	INTERCHANGE HEADER
0010	3	UNH	M	1	0	MESSAGE HEADER
0020	4	BGM	M	1	0	BEGINNING OF MESSAGE
0030	5	DTM	R	1	1	DOCUMENT DATE/TIME
0030	6	DTM	R	1	1	DESPATCH DATE/TIME
0050	7	MEA	R	1	1	SHIPPED QUANTITY
0070		SG1	D	1	1	SHIPPING NOTE NUMBER (PUS)
0080	8	RFF	M	1	1	REFERENCE
0100		SG2	R	1	1	NAD
0110	9	NAD	M	1	1	SHIP TO INFORMATION
0100		SG2	R	1	1	NAD
0110	10	NAD	M	1	1	SUPPLIER INFORMATION
0230		SG6	R	1	1	TDT
0240	11	TDT	M	1	1	DETAILS OF TRANSPORT
0290		SG8	R	1	1	EQD
0300	12	EQD	M	1	1	EQUIPMENT DETAILS
0370		SG10	R	9999	1	CPS-SG11-SG15
0380	13	CPS	M	1	1	CONSIGNMENT PACKING SEQUENCE
0400		SG11	R	9999	2	PAC-QTY-SG13
0410	14	PAC	M	1	2	PACKAGE
0430	15	QTY	R	1	3	QUANTITY
0470		SG13	R	1000	3	PCI-GIR
0480	16	PCI	M	1	3	PACKAGE IDENTIFICATION
0510	17	GIR	R	999	4	RELATED IDENTIFICATION NUMBERS
0550		SG15	R	9999	2	LIN-MEA-QTY-SG16-SG16
0560	18	LIN	M	1	2	LINE ITEM
0590	19	MEA	D	10	3	PHYSICAL DIMENSIONS
0600	20	QTY	R	1	3	QUANTITY
0710		SG16	R	1	3	RFF
0720	21	RFF	M	1	3	REFERENCE ORDER NUMBER
0710		SG16	D	99	3	RFF
0720	22	RFF	M	1	3	REFERENCE CHARGE
1040	23	UNT	M	1	0	MESSAGE TRAILER
0000	24	UNZ	M	1	0	INTERCHANGE TRAILER

Counter = Counter of segment/group within the standard
 No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group

restrictSt= Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

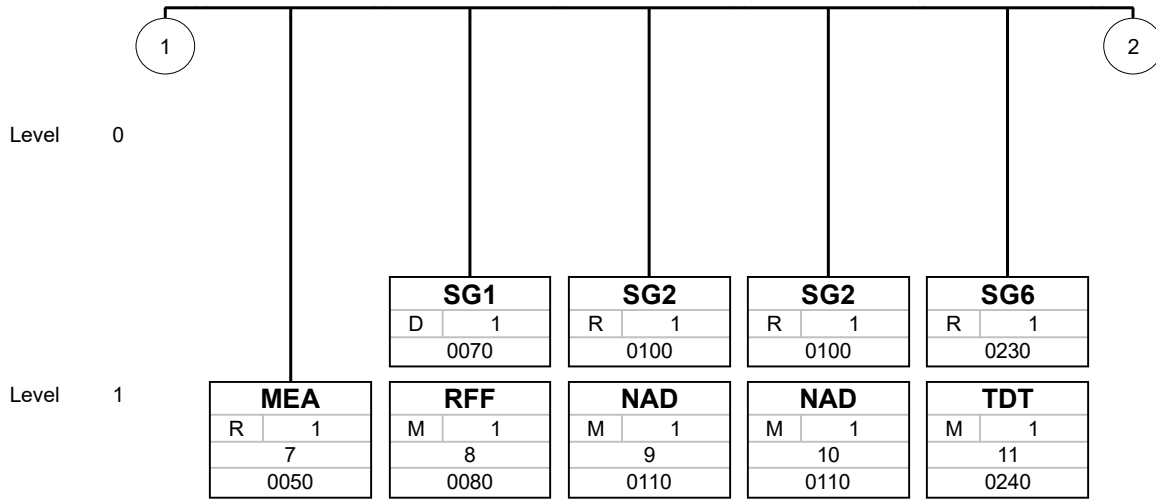
Branching Diagram of Used Segments/Groups



restricted

Tag
St MaxOcc
No
Counter

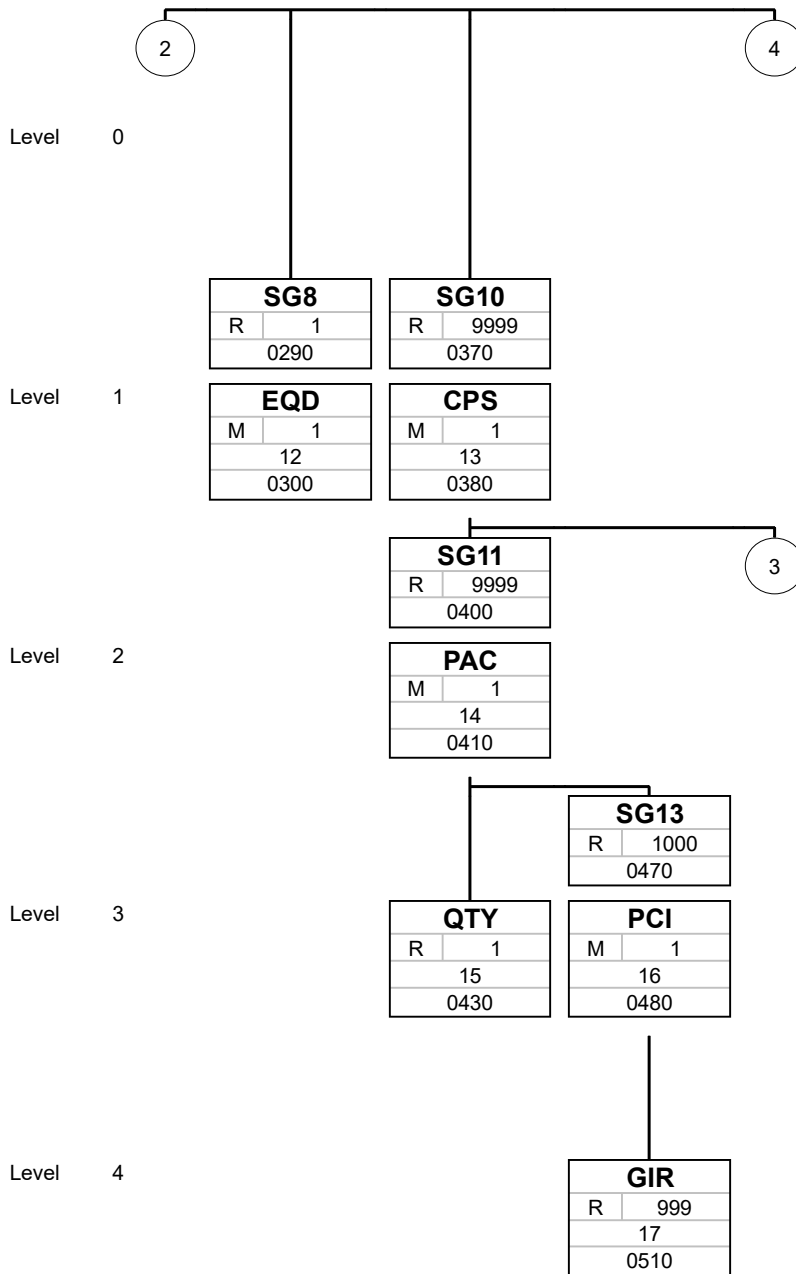
Tag = Segment/Group Tag
 St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
 MaxOcc = Maximum occurrence of the segment/group
 No = Consecutive segment number
 Counter = Counter of segment/group within the standard



restricted

Tag
St MaxOcc
No
Counter

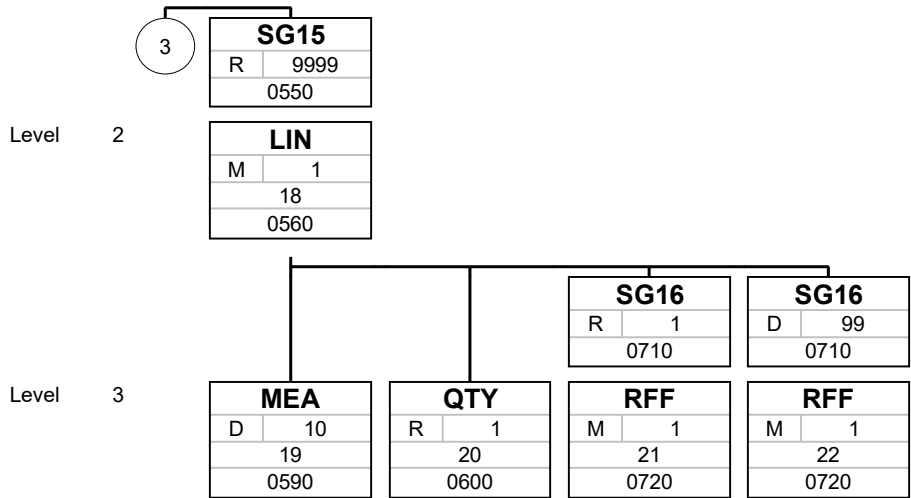
Tag = Segment/Group Tag
 St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
 MaxOcc = Maximum occurrence of the segment/group
 No = Consecutive segment number
 Counter = Counter of segment/group within the standard



restricted

Tag
St MaxOcc
No
Counter

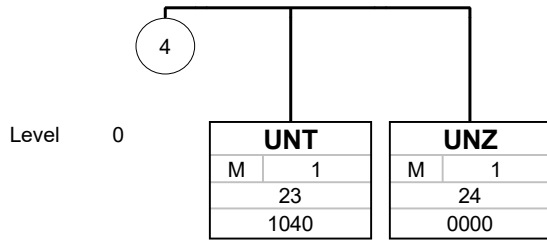
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restricted

Tag
St MaxOcc
No
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Tag = Segment/Group Tag
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restricted

Tag
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Tag = Segment/Group Tag
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 MaxOcc = Maximum occurrence of the segment/group
 No = Consecutive segment number
 Counter = Counter of segment/group within the standard

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

0000	1	UNA	O	1	0	SERVICE STRING ADVICE
------	---	------------	---	---	---	-----------------------

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNA				
UNA1	Component data element separator	M an1	M an1	
UNA2	Data element separator	M an1	M an1	
UNA3	Decimal notation	M an1	M an1	
UNA4	Release indicator	M an1	M an1	
UNA5	Reserved for future use	M an1	M an1	
UNA6	Segment terminator	M an1	M an1	

Remark:

Example:

UNA: + . ? ' ,

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

0000	2	UNB	M	1	0	INTERCHANGE HEADER
------	---	------------	---	---	---	--------------------

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNB				
S001	SYNTAX IDENTIFIER	M	M	
0001	Syntax identifier	M a4	M a4	UNOA UN/ECE level A 3 Version 3
0002	Syntax version number	M n1	M n1	
S002	INTERCHANGE SENDER	M	M	
0004	Sender identification	M an..35	M an..35	Defined by Sender
0007	Partner identification code qualifier	C an..4	N	Not used
0008	Address for reverse routing	C an..14	N	Not used
S003	INTERCHANGE RECIPIENT	M	M	
0010	Recipient identification	M an..35	M an..35	Defined by Receiver
0007	Partner identification code qualifier	C an..4	N	Not used
0014	Routing address	C an..14	N	Not used
S004	DATE/TIME OF PREPARATION	M	M	
0017	Date of preparation	M n6	M n6	Format: YYMMDD
0019	Time of preparation	M n4	M n4	Format: HHMM
0020	Interchange control reference	M an..14	M an..14	
S005	RECIPIENT'S REFERENCE PASSWORD	C	N	
0022	Recipient's reference/password	M an..14	N	Not used
0025	Recipient's reference/password qualifier	C an2	N	Not used
0026	Application reference	C an..14	N	Not used
0029	Processing priority code	C a1	N	Not used
0031	Acknowledgement request	C n1	N	Not used
0032	Communications agreement ID	C an..35	N	Not used
0035	Test indicator	C n1	N	Not used

Remark:

Example:

UNB+UNOA:3+2019813+0018+161208:2036+2135'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
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 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

0010	3	UNH	M	1	0	MESSAGE HEADER
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		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNH				
0062	Message reference number	M an..14	M an..14	
S009	MESSAGE IDENTIFIER	M	M	
0065	Message type identifier	M an..6	M an..6	DESADV Despatch advice message
0052	Message type version number	M an..3	M an..3	D Draft version/UN/EDIFACT Directory
0054	Message type release number	M an..3	M an..3	97A Release 1997 - A
0051	Controlling agency	M an..2	M an..2	UN UN/ECE/TRADE/WP.4
0057	Association assigned code	C an..6	N	Not used
0068	Common access reference	C an..35	N	Not used
S010	STATUS OF THE TRANSFER	C	N	
0070	Sequence message transfer number	M n..2	N	Not used
0073	First/last sequence message transfer indication	C a1	N	Not used

Remark:

Example:

UNH+1+DESADV:D:97A:UN'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

0020	4	BGM	M	1	0	BEGINNING OF MESSAGE
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		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
BGM				
C002	DOCUMENT/MESSAGE NAME	C	M	
1001	Document/message name, coded	C an..3	M an..3	351 Despatch advice
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	N	Not used
1000	Document/message name	C an..35	N	Not used
C106	DOCUMENT/MESSAGE IDENTIFICATION	C	R	
1004	Document/message number	C an..35	R an..35	
1056	Version	C an..9	N	Not used
1060	Revision number	C an..6	N	Not used
1225	Message function, coded	C an..3	R an..3	9 Original
4343	Response type, coded	C an..3	N	Not used

Remark:

Example:

BGM+351+2016/10093+9'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

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 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

0030	5	DTM	R	1	1	DOCUMENT DATE/TIME
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Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
DTM				
C507	DATE/TIME/PERIOD	M	M	
2005	Date/time/period qualifier	M an..3	M an..3	137 Document/message date/time
2380	Date/time/period	C an..35	R an..35	
2379	Date/time/period format qualifier	C an..3	R an..3	203 CCYYMMDDHHMM

Remark:

Example:

DTM+137:201612082036:203'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
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0030	6	DTM	R	1	1	DESPATCH DATE/TIME
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Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
DTM				
C507	DATE/TIME/PERIOD	M	M	
2005	Date/time/period qualifier	M an..3	M an..3	11 Despatch date and or time
2380	Date/time/period	C an..35	R an..35	
2379	Date/time/period format qualifier	C an..3	R an..3	203 CCYYMMDDHHMM

Remark:

Example:

DTM+11:201612082036:203'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

0050 7 **MEA** R 1 1 SHIPPED QUANTITY

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
MEA				
6311	Measurement purpose qualifier	M an..3	M an..3	AAX Consignment measurement
C502	MEASUREMENT DETAILS	C	R	
6313	Property measured, coded	C an..3	R an..3	SQ Shipped quantity
6321	Measurement significance, coded	C an..3	N	Not used
6155	Measurement attribute identification	C an..17	N	Not used
6154	Measurement attribute	C an..70	N	Not used
C174	VALUE/RANGE	C	R	
6411	Measure unit qualifier	M an..3	M an..3	C62 one Further measure unit qualifiers can be used
6314	Measurement value	C an..18	R an..18	
6162	Range minimum	C n..18	N	Not used
6152	Range maximum	C n..18	N	Not used
6432	Significant digits	C n..2	N	Not used
7383	Surface/layer indicator, coded	C an..3	N	Not used

Remark:

Example:

MEA+AAX+SQ+C62:17'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
0070		SG1	D	1	1	SHIPPING NOTE NUMBER (PUS) Only required if Supplier received a DELJIT Pickup sheet message before.
0080	8	RFF	M	1	1	REFERENCE

		Standard	Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
RFF					
C506	REFERENCE	M	M		
1153	Reference qualifier	M an..3	M an..3	AEV Shipping note number	
1154	Reference number	C an..35	R an..35	Shipping not number from PUS	
1156	Line number	C an..6	N	Not used	
4000	Reference version number	C an..35	N	Not used	

Remark:

The advanced shipping note number needs to be send back in DESADV when supplier received it in a BENTELER Pickup sheet message before (Reference in DELJIT D97A PUS message is: RFF+AAU).

Example:

RFF+AEV:007983484'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted= Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
0100		SG2	R	1	1	NAD
0110	9	NAD	M	1	1	SHIP TO INFORMATION

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
NAD				
3035	Party qualifier	M an..3	M an..3	ST Ship to
C082	PARTY IDENTIFICATION DETAILS	C	R	
3039	Party id. identification	M an..35	M an..35	Customer ship to plant
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	R an..3	92 Assigned by buyer or buyer's agent
C058	NAME AND ADDRESS	C	N	
3124	Name and address line	M an..35	N	Not used
3124	Name and address line	C an..35	N	Not used
3124	Name and address line	C an..35	N	Not used
3124	Name and address line	C an..35	N	Not used
3124	Name and address line	C an..35	N	Not used
C080	PARTY NAME	C	N	
3036	Party name	M an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3045	Party name format, coded	C an..3	N	Not used
C059	STREET	C	N	
3042	Street and number/p.o. box	M an..35	N	Not used
3042	Street and number/p.o. box	C an..35	N	Not used
3042	Street and number/p.o. box	C an..35	N	Not used
3042	Street and number/p.o. box	C an..35	N	Not used
3164	City name	C an..35	N	Not used
3229	Country sub-entity identification	C an..9	N	Not used
3251	Postcode identification	C an..9	N	Not used
3207	Country, coded	C an..3	N	Not used

Remark:

Example:

NAD+ST+0018:::92'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restrict= Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
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Counter	No	Tag	St	MaxOcc	Level	Name
0100		SG2	R	1	1	NAD
0110	10	NAD	M	1	1	SUPPLIER INFORMATION

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
NAD				
3035	Party qualifier	M an..3	M an..3	SU Supplier
C082	PARTY IDENTIFICATION DETAILS	C	R	
3039	Party id. identification	M an..35	M an..35	Supplier ID
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	R an..3	92 Assigned by buyer or buyer's agent
C058	NAME AND ADDRESS	C	N	
3124	Name and address line	M an..35	N	Not used
3124	Name and address line	C an..35	N	Not used
3124	Name and address line	C an..35	N	Not used
3124	Name and address line	C an..35	N	Not used
3124	Name and address line	C an..35	N	Not used
C080	PARTY NAME	C	N	
3036	Party name	M an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3045	Party name format, coded	C an..3	N	Not used
C059	STREET	C	N	
3042	Street and number/p.o. box	M an..35	N	Not used
3042	Street and number/p.o. box	C an..35	N	Not used
3042	Street and number/p.o. box	C an..35	N	Not used
3042	Street and number/p.o. box	C an..35	N	Not used
3164	City name	C an..35	N	Not used
3229	Country sub-entity identification	C an..9	N	Not used
3251	Postcode identification	C an..9	N	Not used
3207	Country, coded	C an..3	N	Not used

Remark:

Example:

NAD+SU+2019813:::92'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
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Counter	No	Tag	St	MaxOcc	Level	Name
0230		SG6	R	1	1	TDT
0240	11	TDT	M	1	1	DETAILS OF TRANSPORT

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
TDT				
8051	Transport stage qualifier	M an..3	M an..3	12 At departure
8028	Conveyance reference number	C an..17	N	Not used
C220	MODE OF TRANSPORT	C	R	
8067	Mode of transport, coded	C an..3	R an..3	M DEFAULT
8066	Mode of transport	C an..17	N	Not used
C228	TRANSPORT MEANS	C	N	
8179	Type of means of transport identification	C an..8	N	Not used
8178	Type of means of transport	C an..17	N	Not used
C040	CARRIER	C	R	
3127	Carrier identification	C an..17	R an..17	
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	R an..3	86 Assigned by party originating the message
3128	Carrier name	C an..35	N	Not used
8101	Transit direction, coded	C an..3	N	Not used
C401	EXCESS TRANSPORTATION INFORMATION	C	N	
8457	Excess transportation reason, coded	M an..3	N	Not used
8459	Excess transportation responsibility, coded	M an..3	N	Not used
7130	Customer authorization number	C an..17	N	Not used
C222	TRANSPORT IDENTIFICATION	C	N	
8213	Id. of means of transport identification	C an..9	N	Not used
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	N	Not used
8212	Id. of the means of transport	C an..35	N	Not used
8453	Nationality of means of transport, coded	C an..3	N	Not used
8281	Transport ownership, coded	C an..3	N	Not used

Remark:

Example:

TDT+12++M++CARRIER: : 86 '

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restrictSt= Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
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Counter	No	Tag	St	MaxOcc	Level	Name
0290		SG8	R	1	1	EQD
0300	12	EQD	M	1	1	EQUIPMENT DETAILS

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
EQD				
8053	Equipment qualifier	M an..3	M an..3	TE Trailer DEFAULT
C237	EQUIPMENT IDENTIFICATION	C	R	
8260	Equipment identification number	C an..17	R an..17	
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	N	Not used
3207	Country, coded	C an..3	N	Not used
C224	EQUIPMENT SIZE AND TYPE	C	N	
8155	Equipment size and type identification	C an..10	N	Not used
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	N	Not used
8154	Equipment size and type	C an..35	N	Not used
8077	Equipment supplier, coded	C an..3	N	Not used
8249	Equipment status, coded	C an..3	N	Not used
8169	Full/empty indicator, coded	C an..3	N	Not used

Remark:

Example:

EQD+TE+X'

No = Consecutive segment number
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 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
0370		SG10	R	9999	1	CPS-SG11-SG15
0380	13	CPS	M	1	1	CONSIGNMENT PACKING SEQUENCE

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
CPS				
7164	Hierarchical id. number	M an..12	M an..12	
7166	Hierarchical parent id.	C an..12	R an..12	
7075	Packaging level, coded	C an..3	R an..3	1 Inner 2 Intermediate 3 Outer 4 No packaging hierarchy

Remark:
 CPS qualifier 4 (CPS_7075) is only allowed with agreement from Benteler business.

Example:
 CPS+1+1+3'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restriction = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
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Counter	No	Tag	St	MaxOcc	Level	Name
0400		SG11	R	9999	2	PAC-QTY-SG13
SG11 is required when CPS qualifier in CPS_7075 is 1, 2 or 3.						
0410	14	PAC	M	1	2	PACKAGE

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
PAC				
7224	Number of packages	C n..8	R n..8	
C531	PACKAGING DETAILS	C	R	
7075	Packaging level, coded	C an..3	R an..3	1 Inner 2 Intermediate 3 Outer
7233	Packaging related information, coded	C an..3	N	Not used
7073	Packaging terms and conditions, coded	C an..3	N	Not used
C202	PACKAGE TYPE	C	R	
7065	Type of packages identification	C an..17	R an..17	
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	N	Not used
7064	Type of packages	C an..35	N	Not used
C402	PACKAGE TYPE IDENTIFICATION	C	N	
7077	Item description type, coded	M an..3	N	Not used
7064	Type of packages	M an..35	N	Not used
7143	Item number type, coded	C an..3	N	Not used
7064	Type of packages	C an..35	N	Not used
7143	Item number type, coded	C an..3	N	Not used
C532	RETURNABLE PACKAGE DETAILS	C	N	
8395	Returnable package freight payment responsibility, coded	C an..3	N	Not used
8393	Returnable package load contents, coded	C an..3	N	Not used

Remark:

Example:

PAC+1+3+P1234'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
0400		SG11	R	9999	2	PAC-QTY-SG13
SG11 is required when CPS qualifier in CPS_7075 is 1, 2 or 3.						
0430	15	QTY	R	1	3	QUANTITY

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
QTY				
C186	QUANTITY DETAILS	M	R	
6063	Quantity qualifier	M an..3	M an..3	52 Quantity per pack
6060	Quantity	M n..15	M n..15	
6411	Measure unit qualifier	C an..3	R an..3	C62 one Further measure unit qualifiers can be used

Remark:

Example:

QTY+52:50:C62'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
0470		SG13	R	1000	3	PCI-GIR
SG13 is required when CPS qualifier in CPS_7075 is 1 or 3.						
0480	16	PCI	M	1	3	PACKAGE IDENTIFICATION

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
PCI				
4233	Marking instructions, coded	C an..3	R an..3	ZZZ Mutually defined
C210	MARKS & LABELS	C	N	
7102	Shipping marks	M an..35	N	Not used
7102	Shipping marks	C an..35	N	Not used
7102	Shipping marks	C an..35	N	Not used
7102	Shipping marks	C an..35	N	Not used
7102	Shipping marks	C an..35	N	Not used
7102	Shipping marks	C an..35	N	Not used
7102	Shipping marks	C an..35	N	Not used
7102	Shipping marks	C an..35	N	Not used
7102	Shipping marks	C an..35	N	Not used
7102	Shipping marks	C an..35	N	Not used
8275	Container/package status, coded	C an..3	N	Not used
C827	TYPE OF MARKING	C	N	
7511	Type of marking, coded	M an..3	N	Not used
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	N	Not used

Remark:

Example:

PCI+ZZZ'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restrict= Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
0470		SG13	R	1000	3	PCI-GIR
SG13 is required when CPS qualifier in CPS_7075 is 1 or 3.						
0510	17	GIR	R	999	4	RELATED IDENTIFICATION NUMBERS

		Standard	Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
GIR					
7297	Set identification qualifier	M an..3	M an..3	3 Package	
C206	IDENTIFICATION NUMBER	M	M		
7402	Identity number	M an..35	M an..35		
7405	Identity number qualifier	C an..3	R an..3	BN Serial number	
4405	Status, coded	C an..3	N	Not used	
C206	IDENTIFICATION NUMBER	C	N		
7402	Identity number	M an..35	N	Not used	
7405	Identity number qualifier	C an..3	N	Not used	
4405	Status, coded	C an..3	N	Not used	
C206	IDENTIFICATION NUMBER	C	N		
7402	Identity number	M an..35	N	Not used	
7405	Identity number qualifier	C an..3	N	Not used	
4405	Status, coded	C an..3	N	Not used	
C206	IDENTIFICATION NUMBER	C	N		
7402	Identity number	M an..35	N	Not used	
7405	Identity number qualifier	C an..3	N	Not used	
4405	Status, coded	C an..3	N	Not used	
C206	IDENTIFICATION NUMBER	C	N		
7402	Identity number	M an..35	N	Not used	
7405	Identity number qualifier	C an..3	N	Not used	
4405	Status, coded	C an..3	N	Not used	

Remark:

Example:

GIR+3+900001:BN'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restrict= Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
0550		SG15	R	9999	2	LIN-MEA-QTY-SG16
0560	18	LIN	M	1	2	LINE ITEM

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
LIN				
1082	Line item number	C an..6	R an..6	
1229	Action request/notification, coded	C an..3	N	Not used
C212	ITEM NUMBER IDENTIFICATION	C	R	
7140	Item number	C an..35	R an..35	
7143	Item number type, coded	C an..3	R an..3	IN Buyer's item number
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	N	Not used
C829	SUB-LINE INFORMATION	C	N	
5495	Sub-line indicator, coded	C an..3	N	Not used
1082	Line item number	C an..6	N	Not used
1222	Configuration level	C n..2	N	Not used
7083	Configuration, coded	C an..3	N	Not used

Remark:

Example:

LIN+1++9001:IN'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
	0550	SG15	R	9999	2	LIN-MEA-QTY-SG16
	0590	MEA	D	10	3	PHYSICAL DIMENSIONS

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
MEA				
6311	Measurement purpose qualifier	M an..3	M an..3	PD Physical dimensions (product ordered)
C502	MEASUREMENT DETAILS	C	R	
6313	Property measured, coded	C an..3	R an..3	WT Weight WD Width dimension TH Thickness
6321	Measurement significance, coded	C an..3	N	Not used
6155	Measurement attribute identification	C an..17	N	Not used
6154	Measurement attribute	C an..70	N	Not used
C174	VALUE/RANGE	C	R	
6411	Measure unit qualifier	M an..3	M an..3	KGM kilogram MMT millimetre
6314	Measurement value	C an..18	R an..18	
6162	Range minimum	C n..18	N	Not used
6152	Range maximum	C n..18	N	Not used
6432	Significant digits	C n..2	N	Not used
7383	Surface/layer indicator, coded	C an..3	N	Not used

Remark:

The use of this segment depends on, if the product is a charging product.

Example:

MEA+PD+WT+KGM:12323'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restrict= Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
	0550	SG15	R	9999	2	LIN-MEA-QTY-SG16
	0600	QTY	R	1	3	QUANTITY

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
QTY				
C186	QUANTITY DETAILS	M	M	
6063	Quantity qualifier	M an..3	M an..3	12 Despatch quantity
6060	Quantity	M n..15	M n..15	
6411	Measure unit qualifier	C an..3	R an..3	C62 one Further measure unit qualifiers can be used

Remark:

Example:

QTY+12:110:C62'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
0710		SG16	R	1	3	RFF
0720	21	RFF	M	1	3	REFERENCE ORDER NUMBER

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	REFERENCE	M	M	
1153	Reference qualifier	M an..3	M an..3	ON Order number (purchase)
1154	Reference number	C an..35	R an..35	
1156	Line number	C an..6	D an..6	Is only required if Benteler plant requests it.
4000	Reference version number	C an..35	N	Not used

Remark:

Example:

RFF+ON:N55109001:10'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
	0710	SG16	D	99	3	RFF
	0720	RFF	M	1	3	REFERENCE CHARGE

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	REFERENCE	M	M	
1153	Reference qualifier	M an..3	M an..3	BT Batch number/lot number ACP Hot roll number ACQ Cold roll number ACO Iron charge number
1154	Reference number	C an..35	R an..35	
1156	Line number	C an..6	N	Not used
4000	Reference version number	C an..35	N	Not used

Remark:

The use of this segment depends on, if the product is a charging product.

Example:

RFF+BT: 432576 '

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
1040	23	UNT	M	1	0	MESSAGE TRAILER

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNT				
0074	Number of segments in a message	M n..6	M n..6	
0062	Message reference number	M an..14	M an..14	

Remark:

Example:
UNT+20+1'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Counter	No	Tag	St	MaxOcc	Level	Name
0000	24	UNZ	M	1	0	INTERCHANGE TRAILER

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNZ				
0036	Interchange control count	M n..6	M n..6	
0020	Interchange control reference	M an..14	M an..14	

Remark:

Example:

UNZ+1+2135'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

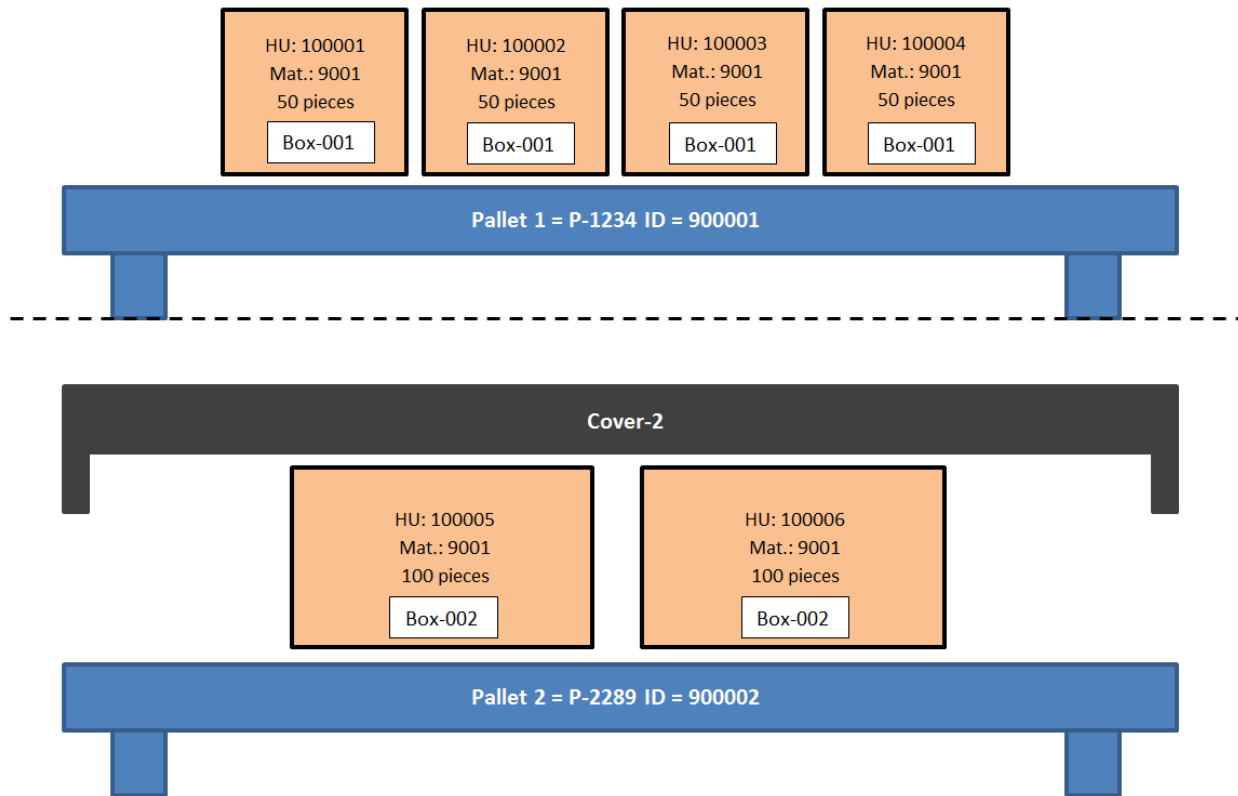
restricted = Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

QTY+12:400:C62 '
RFF+ON:N55109001 '
UNT+27+1 '
UNZ+1+21351 '

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

restriction = Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used

Example 2 (master/single):



```

Pallet 1 : package identification is P-1234 unique number is 900001
Pallet 2 : package identification is P-2289 unique number is 900002 and COVER-2

partnumber 9001 total amount: 400 boxes 6

Box1 : package identification is BOX-001 amount: 50 unique number is 100001
Box2 : package identification is BOX-001 amount: 50 unique number is 100002
Box3 : package identification is BOX-001 amount: 50 unique number is 100003
Box4 : package identification is BOX-001 amount: 50 unique number is 100004

Box5 : package identification is BOX-002 amount: 100 unique number is 100005
Box6 : package identification is BOX-002 amount: 100 unique number is 100006
    
```

#-----

```

Pallet 1 : 900001
filled with Box number
100001
100002
100003
    
```

No = Consecutive segment number	restrict= Status
MaxOcc = Maximum occurrence of the segment/group	EDIFACT: M=Mandatory, C=Conditional
Counter = Counter of segment/group within the standard	User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

100004

#-----

Pallet 2 : 900002
 filled with Box number
 100005
 100006
 COVER-2

UNB+UNOA:3+2019813:91+0018:92+140419:2036+21352'
 UNH+1+DESADV:D:97A:UN'
 BGM+351+2014/20093+9'
 DTM+137:201404192036:203'
 DTM+11:201404192036:203'
 MEA+AAX+SQ+C62:17'
 NAD+ST+0018::92'
 NAD+SU+2019813::92'
 TDT+12++M++CARRIER::86'
 EQD+TE+X'
 CPS+1++3'
 PAC+1+3+P1234'
 QTY+52:4:C62'
 PCI:ZZZ'
 GIR+3+900001:BN'
 CPS+2+1+1'
 PAC+4+1+BOX-001'
 QTY+52:50:C62'
 PCI:ZZZ'
 GIR+3+100001:BN'
 GIR+3+100002:BN'
 GIR+3+100003:BN'
 GIR+3+100004:BN'
 CPS+3++3'
 PAC+1+3+P-2289'
 QTY+52:2:C62'
 PCI:ZZZ'
 GIR+3+900002:BN'
 CPS+4+3+1'
 PAC+2+1+BOX-002'
 QTY+52:100:C62'
 PCI:ZZZ'
 GIR+3+100005:BN'
 GIR+3+100006:BN'
 CPS+5+3+2'
 PAC+1+2+COVER002'
 QTY+52:1:C62'
 LIN+1++9001:IN'
 QTY+12:400:C62'

No = Consecutive segment number	restrict= Status
MaxOcc = Maximum occurrence of the segment/group	EDIFACT: M=Mandatory, C=Conditional
Counter = Counter of segment/group within the standard	User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

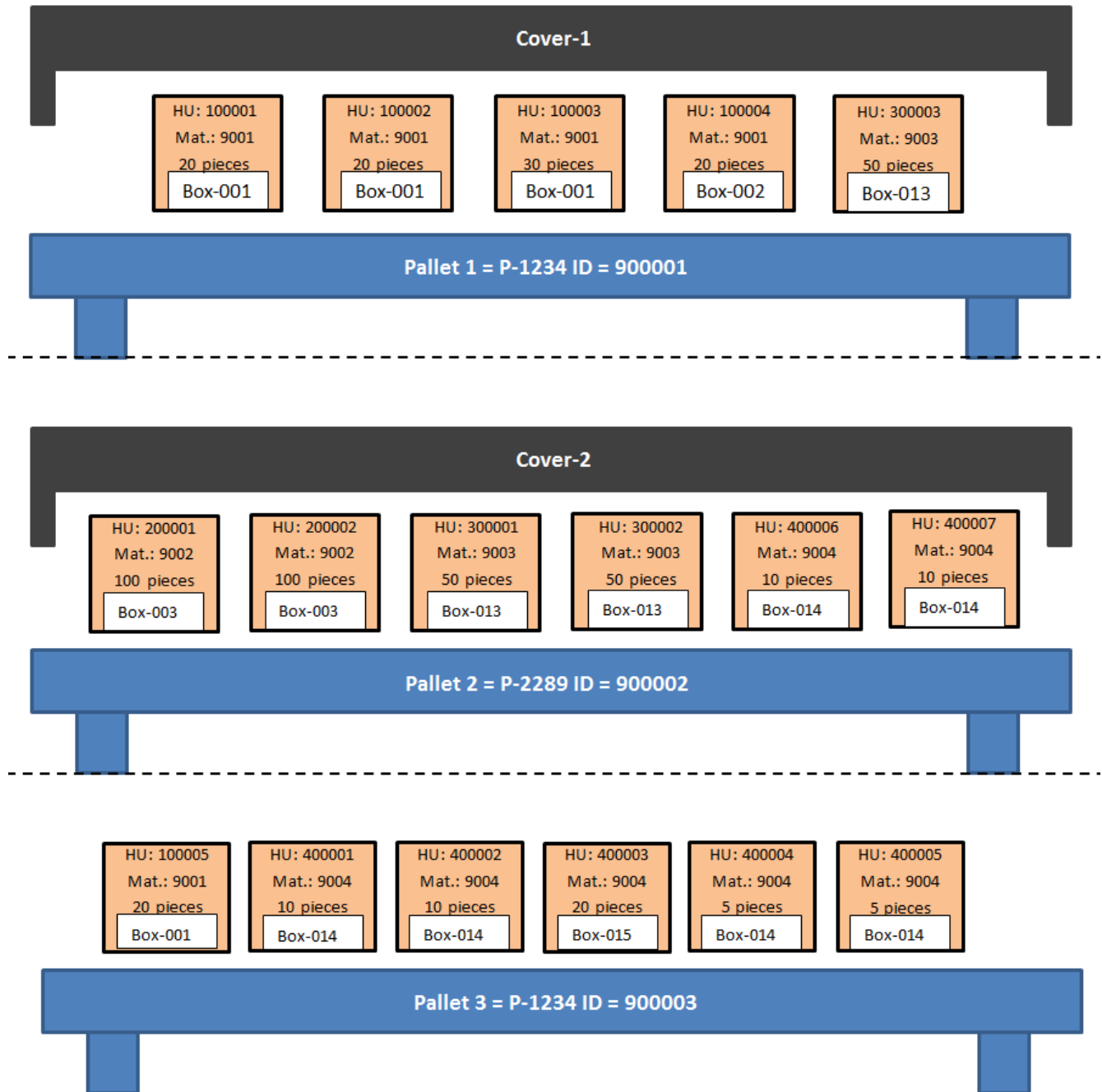
RFF+ON:N55109001 '
UNT+40+1 '
UNZ+1+21352 '

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

restriction = Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used

Example 3 (master/single with articles on several pallets):

Example 3 (master/single with different articles on several pallets):



Pallet 1 : package identification is P-1234 unique number is 900001 and COVER-1

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restrict= Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

400001
 400002
 400003
 400004
 400005

#-----

UNB+UNOA:3+2019813:91+0018:92+140419:2036+2135'
 UNH+1+DESADV:D:97A:UN'
 BGM+351+2014/10093+9'
 DTM+137:201404192036:203'
 DTM+11:201404192036:203'
 MEA+AAX+SQ+C62:17'
 NAD+ST+0018::92'
 NAD+SU+2019813::92'
 TDT+12++M++CARRIER::86'
 EQD+TE+X'
 CPS+1++3'
 PAC+1+3+P1234'
 QTY+52:50:C62'
 PCI:ZZZ'
 GIR+3+900001:BN'
 CPS+2+1+1'
 PAC+2+1+BOX-001'
 QTY+52:20:C62'
 PCI:ZZZ'
 GIR+3+100001:BN'
 GIR+3+100002:BN'
 PAC+1+1+BOX001'
 QTY+52:30:C62'
 PCI:ZZZ'
 GIR+3+100003:BN'
 PAC+1+1+BOX-002'
 QTY+52:20:C62'
 PCI:ZZZ'
 GIR+3+100004:BN'
 CPS+3++3'
 PAC+1+3+P1234'
 QTY+52:50:C62'
 PCI:ZZZ'
 GIR+3+900003:BN'
 CPS+4+3+1'
 PAC+2+1+BOX-001'
 QTY+52:20:C62'
 PCI:ZZZ'
 GIR+3+100005:BN'
 CPS+5+3+2'
 PAC+1+2+COVER001'

No = Consecutive segment number	restrict= Status
MaxOcc = Maximum occurrence of the segment/group	EDIFACT: M=Mandatory, C=Conditional
Counter = Counter of segment/group within the standard	User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

QTY+52:1:C62 '
 LIN+1++9001:IN '
 QTY+12:110:C62 '
 RFF+ON:N55109001 '
 CPS+6++3 '
 PAC+1+3+P2289 '
 QTY+52:50:C62 '
 PCI:ZZZ '
 GIR+3+900002:BN '
 CPS+7+6+1 '
 PAC+2+1+BOX-003 '
 QTY+52:100:C62 '
 PCI:ZZZ '
 GIR+3+200001:BN '
 GIR+3+200002:BN '
 CPS+8+6+2 '
 PAC+1+2+COVER002 '
 QTY+52:1:C62 '
 LIN+2++9002:IN '
 QTY+12:200:C62 '
 RFF+ON:N55109002 '
 CPS+9++3 '
 PAC+1+3+P1234 '
 QTY+52:50:C62 '
 PCI:ZZZ '
 GIR+3+900001:BN '
 CPS+10+9+1 '
 PAC+2+1+BOX-013 '
 QTY+52:50:C62 '
 PCI:ZZZ '
 GIR+3+300003:BN '
 CPS+11++3 '
 PAC+1+3+P2289 '
 QTY+52:50:C62 '
 PCI:ZZZ '
 GIR+3+900002:BN '
 CPS+12+11+1 '
 PAC+2+1+BOX-013 '
 QTY+52:50:C62 '
 PCI:ZZZ '
 GIR+3+300001:BN '
 GIR+3+300002:BN '
 LIN+3++9003:IN '
 QTY+12:150:C62 '
 RFF+ON:N55109003 '
 CPS+13++3 '
 PAC+1+3+P2289 '
 QTY+52:50:C62 '
 PCI:ZZZ '

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

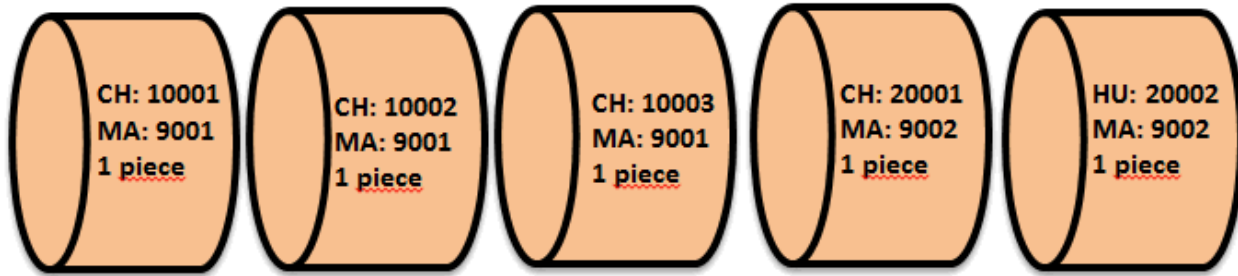
restrict= Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

GIR+3+900002:BN'
 CPS+14+13+1'
 PAC+2+1+BOX-014'
 QTY+52:10:C62'
 PCI:ZZZ'
 GIR+3+400006:BN'
 GIR+3+400007:BN'
 CPS+15++3'
 PAC+1+3+P1234'
 QTY+52:50:C62'
 PCI:ZZZ'
 GIR+3+900003:BN'
 CPS+16+15+1'
 PAC+2+1+BOX-014'
 QTY+52:10:C62'
 PCI:ZZZ'
 GIR+3+400001:BN'
 GIR+3+400002:BN'
 CPS+17+15+1'
 PAC+1+1+BOX-015'
 QTY+52:20:C62'
 PCI:ZZZ'
 GIR+3+400003:BN'
 CPS+18+15+1'
 PAC+2+1+BOX-014'
 QTY+52:5:C62'
 PCI:ZZZ'
 GIR+3+400004:BN'
 GIR+3+400005:BN'
 LIN+4++9004:IN'
 QTY+12:70:C62'
 RFF+ON:N55109004'
 UNT+122+1'
 UNZ+1+2135'

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restriction= Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Example 4 (charging product without packaging):



partnumber	9001	total	amount: 3	pieces 3
partnumber	9002	total	amount: 2	pieces 2

Charge1 :	amount: 1	unique number is 10001
Charge2 :	amount: 1	unique number is 10002
Charge3 :	amount: 1	unique number is 10003
Charge4 :	amount: 1	unique number is 20001
Charge5 :	amount: 1	unique number is 20002

```

UNB+UNOA: 3+2019813+0018+140419: 2036+2135 '
UNH+1+DESADV:D:97A:UN '
BGM+351+2014/10093+9 '
DTM+137: 201404192036: 203 '
DTM+11: 201404192036: 203 '
MEA+AAX+SQ+C62: 17 '
NAD+ST+0018: : 92 '
NAD+SU+2019813: : 92 '
TDT+12++M++CARRIER: : 86 '
EQD+TE+X '
CPS+1++4 '
LIN+1++9001: IN '
MEA+PD+WT+KGM: 12323 '
MEA+PD+WD+MMT: 451 '
MEA+PD+TH+MMT: 7 '
QTY+12: 1: C62 '
RFF+ON: N55109001 '
RFF+BT: 10001 '
RFF+ACP: 778974 '
RFF+ACO: 978764 '
CPS+2++4 '
LIN+2++9001: IN '
MEA+PD+WT+KGM: 12323 '
MEA+PD+WD+MMT: 451 '
MEA+PD+TH+MMT: 7 '
QTY+12: 1: C62 '
    
```

No = Consecutive segment number	restrict= Status
MaxOcc = Maximum occurrence of the segment/group	EDIFACT: M=Mandatory, C=Conditional
Counter = Counter of segment/group within the standard	User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

RFF+ON:N55109001 '
 RFF+BT:10002 '
 RFF+ACP:778974 '
 RFF+ACO:978764 '
 CPS+3++4 '
 LIN+3++9001: IN '
 MEA+PD+WT+KGM:12323 '
 MEA+PD+WD+MMT:451 '
 MEA+PD+TH+MMT:7 '
 QTY+12:1:C62 '
 RFF+ON:N55109001 '
 RFF+BT:10003 '
 RFF+ACP:778974 '
 RFF+ACO:978764 '
 CPS+4++4 '
 LIN+4++9002: IN '
 MEA+PD+WT+KGM:12323 '
 MEA+PD+WD+MMT:451 '
 MEA+PD+TH+MMT:7 '
 QTY+12:1:C62 '
 RFF+ON:N55109001 '
 RFF+BT:20001 '
 RFF+ACP:778975 '
 RFF+ACO:978765 '
 CPS+5++4 '
 LIN+5++9002: IN '
 MEA+PD+WT+KGM:12323 '
 MEA+PD+WD+MMT:451 '
 MEA+PD+TH+MMT:7 '
 QTY+12:1:C62 '
 RFF+ON:N55109001 '
 RFF+BT:20002 '
 RFF+ACP:778975 '
 RFF+ACO:978765 '
 UNT+60+1 '
 UNZ+1+2135 '

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

restrict= Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used