Message Implementation Guideline

BENTELER ANSI X12 856 4010

based on

856
Ship Notice/Manifest

X12 004010

Version: 1.3
Issue date: 08.05.2024
Author: BENTELER

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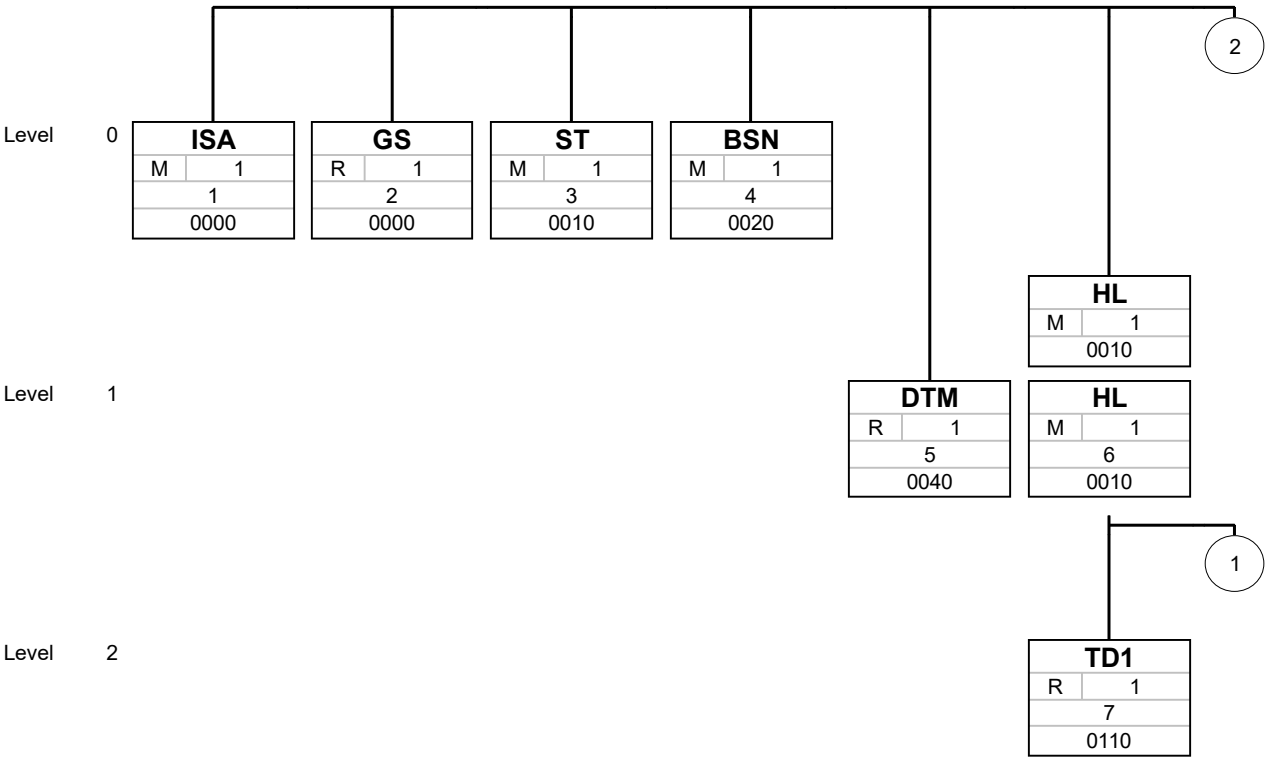
St = Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Branching Diagram of Used Segments/Groups



Tag
St MaxOcc
No
Counter

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
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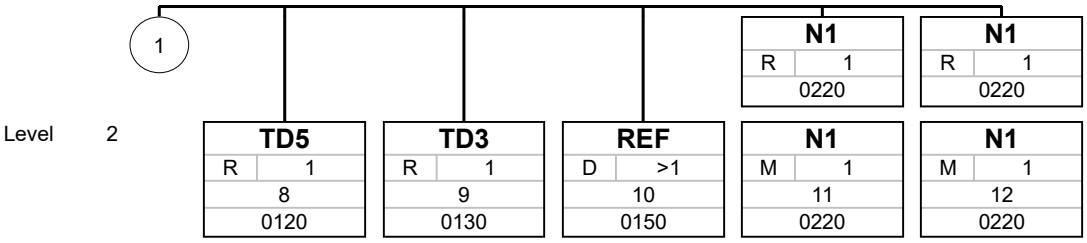

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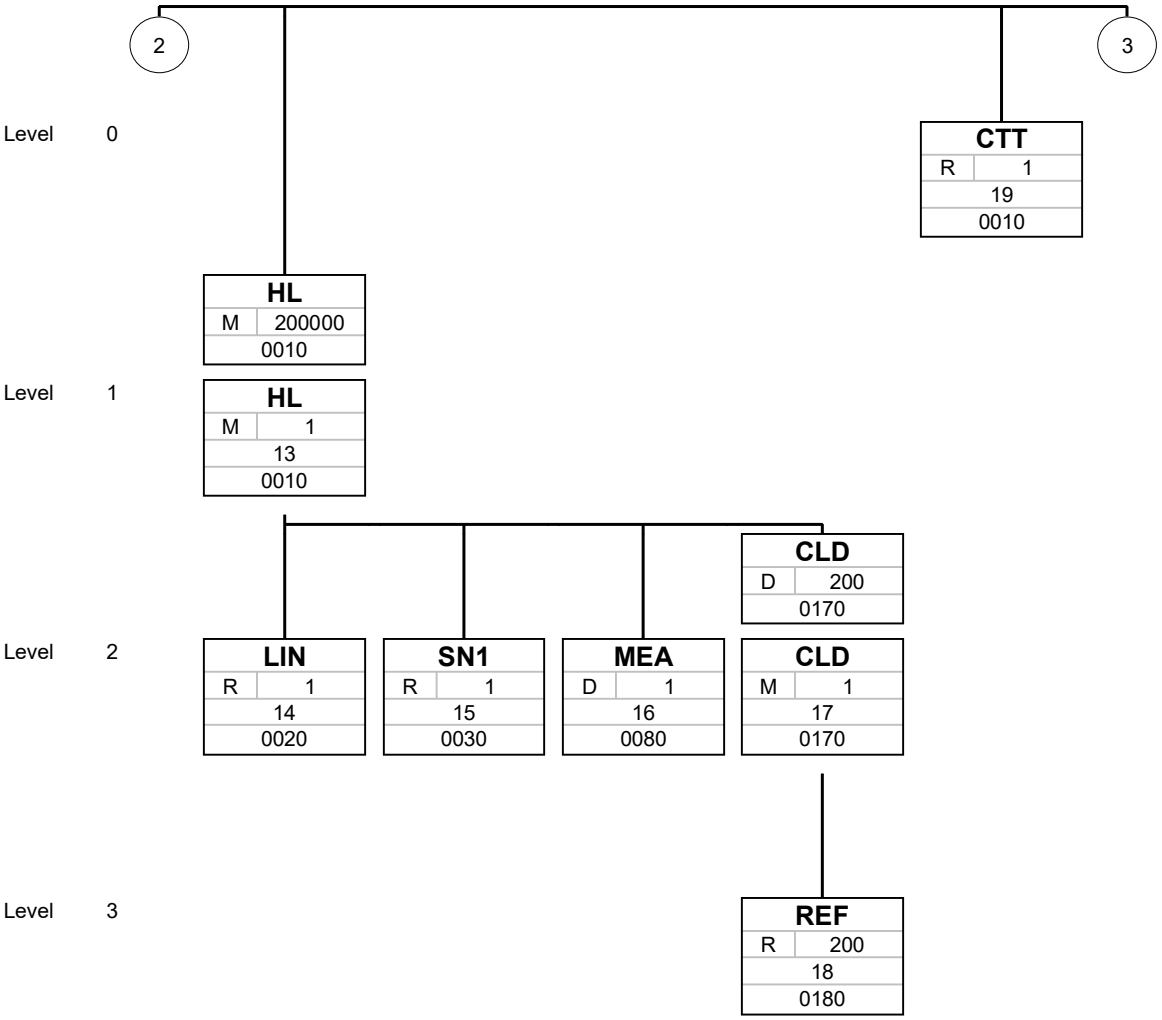

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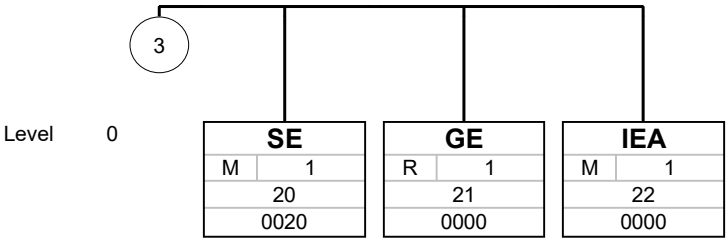

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MaxOcc = Maximum occurrence of the segment/group
No = Consecutive segment number
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Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0000	1	**ISA**	M	1	0	**Interchange Control Header**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
ISA					
I01	Authorization Information Qualifier	M ID 2/2	M	ID 2/2	**00 No Authorization Information Present (No Meaningful Information in I02)**
I02	Authorization Information	M AN 10/10	M	AN 10/10	Use Ten Spaces
I03	Security Information Qualifier	M ID 2/2	M	ID 2/2	**00 No Security Information Present (No Meaningful Information in I04)**
I04	Security Information	M AN 10/10	M	AN 10/10	Use Ten Spaces
I05	Interchange ID Qualifier	M ID 2/2	M	ID 2/2	**01 Duns (Dun & Bradstreet)** **ZZ Mutually Defined** Other applicable codes possible
I06	Interchange Sender ID	M AN 15/15	M	AN 15/15	Left Justify, Space Fill
I05	Interchange ID Qualifier	M ID 2/2	M	ID 2/2	**01 Duns (Dun & Bradstreet)** **ZZ Mutually Defined** Other applicable codes possible
I07	Interchange Receiver ID	M AN 15/15	M	AN 15/15	Left Justify, Space Fill
I08	Interchange Date	M DT 6/6	M	DT 6/6	Format YYMMDD
I09	Interchange Time	M TM 4/4	M	TM 4/4	Format HHMM
I10	Interchange Control Standards Identifier	M ID 1/1	M	ID 1/1	**U U.S. EDI Community of ASC X12, TDCC, and UCS**
I11	Interchange Control Version Number	M ID 5/5	M	ID 5/5	**00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997**
I12	Interchange Control Number	M N0 9/9	M	N0 9/9	A control number assigned by the interchange sender
I13	Acknowledgment Requested	M ID 1/1	M	ID 1/1	**0 No Acknowledgment Requested** **1 Interchange Acknowledgment Requested**
I14	Usage Indicator	M ID 1/1	M	ID 1/1	**P Production Data** **T Test Data**
I15	Component Element Separator	M AN 1/1	M	AN 1/1	Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

Remark:

Example:

```
ISA*00*          *00*          *ZZ*SUPPLIERID     *ZZ*BENTUSA        *220324*1132*U*00401*000000012*0
*P*:!
```

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

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Counter	No	Tag	St	MaxOcc	Level	Name
0000	2	**GS**	R	1	0	**Functional Group Header**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
GS					
479	Functional Identifier Code	M ID 2/2	M	ID 2/2	**SH Ship Notice/Manifest (856)**
142	Application Sender's Code	M AN 2/15	M	AN 2/15	Sender ID or DUNS
124	Application Receiver's Code	M AN 2/15	M	AN 2/15	Receiver ID or DUNS
373	Date	M DT 8/8	M	DT 8/8	Format CCYYMMDD
337	Time	M TM 4/8	M	TM 4/8	Format HHMM
28	Group Control Number	M N0 1/9	M	N0 1/9	Start with 1 and increment by 1 for each subsequent GS Segment
455	Responsible Agency Code	M ID 1/2	M	ID 1/2	**X Accredited Standards Committee X12**
480	Version / Release / Industry Identifier Code	M AN 1/12	M	AN 1/12	**004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997**

Remark:

Example:
```
GS*SH*SUPPLIERID*BENTUSA*20230324*1132*1*X*004010!
```

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

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Counter	No	Tag	St	MaxOcc	Level	Name
0010	3	**ST**	M	1	0	**Transaction Set Header**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
ST					
143	Transaction Set Identifier Code	M ID 3/3	M	ID 3/3	**856 Ship Notice/Manifest**
329	Transaction Set Control Number	M AN 4/9	M	AN 4/9	Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Remark:

Example:

```
ST*856*0001!
```

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
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Counter	No	Tag	St	MaxOcc	Level	Name
0020	4	**BSN**	M	1	0	**Beginning Segment for Ship Notice**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
BSN					
353	Transaction Set Purpose Code	M ID 2/2	M	ID 2/2	**00 Original**
396	Shipment Identification	M AN 2/30	M	AN 2/30	A unique control number assigned by the original shipper to identify a specific shipment. Must not repeat within 1 year
373	Date	M DT 8/8	M	DT 8/8	Format CCYYMMDD
337	Time	M TM 4/8	M	TM 4/8	Format HHMM
1005	Hierarchical Structure Code	O ID 4/4	N		Not used
640	Transaction Type Code	C ID 2/2	N		Not used
641	Status Reason Code	O ID 3/3	N		Not used

Remark:

Example:
```
BSN*00*40202023*20230324*1132!
```

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

restricted

St= Status
EDIFACT: M=Mandatory, C=Conditional
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Counter	No	Tag	St	MaxOcc	Level	Name
0040	5	**DTM**	R	1	1	**SHIPPED DATE**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
DTM					
374	Date/Time Qualifier	M ID 3/3	M	ID 3/3	**011 Shipped**
373	Date	C DT 8/8	R	DT 8/8	Format CCYYMMDD
337	Time	C TM 4/8	R	TM 4/8	Format HHMM
623	Time Code	O ID 2/2	N		Not used
1250	Date Time Period Format Qualifier	C ID 2/3	N		Not used
1251	Date Time Period	C AN 1/35	N		Not used

Remark:

Example:

```
DTM*011*20220323*1200!
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
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Counter	No	Tag	St	MaxOcc	Level	Name
0010		**HL**	M	1	1	**SHIPMENT LEVEL**
0010	6	**HL**	M	1	1	**Hierarchical Level**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
HL					
628	Hierarchical ID Number	M AN 1/12	M	AN 1/12	A unique number assigned by the sender to identify a particular data segment in a hierarchical structure
734	Hierarchical Parent ID Number	O AN 1/12	N		Not used
735	Hierarchical Level Code	M ID 1/2	M	ID 1/2	**S Shipment**
736	Hierarchical Child Code	O ID 1/1	N		Not used

Remark:

Example:

```
HL*1**S!
```

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

St = Status
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Counter	No	Tag	St	MaxOcc	Level	Name
0010		**HL**	M	1	1	**SHIPMENT LEVEL**
0110	7	**TD1**	R	1	2	**Carrier Details (Quantity and Weight)**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
TD1						
103	Packaging Code	O	AN 3/5	N		Not used
80	Lading Quantity	C	N0 1/7	R	N0 1/7	Number of units (pieces) of the lading commodity
23	Commodity Code Qualifier	O	ID 1/1	N		Not used
22	Commodity Code	C	AN 1/30	N		Not used
79	Lading Description	O	AN 1/50	N		Not used
187	Weight Qualifier	O	ID 1/2	N		Not used
81	Weight	C	R 1/10	N		Not used
355	Unit or Basis for Measurement Code	C	ID 2/2	N		Not used
183	Volume	C	R 1/8	N		Not used
355	Unit or Basis for Measurement Code	C	ID 2/2	N		Not used

Remark:

Example:

```
TD1**150!
```

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
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Counter	No	Tag	St	MaxOcc	Level	Name
0010		**HL**	M	1	1	**SHIPMENT LEVEL**
0120	8	**TD5**	R	1	2	**Carrier Details (Routing Sequence/Transit Time)**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
TD5						
133	Routing Sequence Code	O	ID 1/2	R	ID 1/2	**B Origin/Delivery Carrier (Any Mode)**
66	Identification Code Qualifier	C	ID 1/2	R	ID 1/2	**2 Standard Carrier Alpha Code (SCAC)**
67	Identification Code	C	AN 2/80	R	AN 2/80	
91	Transportation Method/Type Code	C	ID 1/2	R	ID 1/2	Code specifying the method or type of transportation for the shipment Any valid X12 code values except "ZZ" (Mutually Defined)
387	Routing	C	AN 1/35	N		Not used
368	Shipment/Order Status Code	C	ID 2/2	N		Not used
309	Location Qualifier	O	ID 1/2	N		Not used
310	Location Identifier	C	AN 1/30	N		Not used
731	Transit Direction Code	O	ID 2/2	N		Not used
732	Transit Time Direction Qualifier	O	ID 2/2	N		Not used
733	Transit Time	C	R 1/4	N		Not used
284	Service Level Code	C	ID 2/2	N		Not used
284	Service Level Code	C	ID 2/2	N		Not used
284	Service Level Code	O	ID 2/2	N		Not used
26	Country Code	O	ID 2/3	N		Not used

Remark:

Example:

```
TD5*B*2*PRTS*M!
```

No = Consecutive segment number
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EDIFACT: M=Mandatory, C=Conditional
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Counter	No	Tag	St	MaxOcc	Level	Name
0010		**HL**	M	1	1	**SHIPMENT LEVEL**
0130	9	**TD3**	R	1	2	**Carrier Details (Equipment)**

		Standard		Implementation	
Tag	Name	St	Format	St Format	Usage / Remark
TD3					
40	Equipment Description Code	C	ID 2/2	R ID 2/2	Code identifying type of equipment used for shipment Any valid X12 code values except "ZZ" (Mutually Defined)
206	Equipment Initial	O	AN 1/4	N	Not used
207	Equipment Number	C	AN 1/10	R AN 1/10	Trailer Number
187	Weight Qualifier	O	ID 1/2	N	Not used
81	Weight	C	R 1/10	N	Not used
355	Unit or Basis for Measurement Code	C	ID 2/2	N	Not used
102	Ownership Code	O	ID 1/1	N	Not used
407	Seal Status Code	O	ID 2/2	N	Not used
225	Seal Number	O	AN 2/15	N	Not used
24	Equipment Type	C	ID 4/4	N	Not used

Remark:

Example:
```
TD3*TL**1234954!
```

No = Consecutive segment number
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Counter	No	Tag	St	MaxOcc	Level	Name
0010		**HL**	M	1	1	**SHIPMENT LEVEL**
0150	10	**REF**	D	>1	2	**SHIPPING NOTE NUMBER**

		Standard		Implementation	
Tag	Name	St	Format	St	Format	Usage / Remark
REF						
128	Reference Identification Qualifier	M	ID 2/3	M	ID 2/3	AEV - Shipping note number
127	Reference Identification	C	AN 1/30	R	AN 1/30	
352	Description	C	AN 1/80	N		Not used
C040	Reference Identifier	O		N		
128	Reference Identification Qualifier	M	ID 2/3	N		Not used
127	Reference Identification	M	AN 1/30	N		Not used
128	Reference Identification Qualifier	C	ID 2/3	N		Not used
127	Reference Identification	C	AN 1/30	N		Not used
128	Reference Identification Qualifier	C	ID 2/3	N		Not used
127	Reference Identification	C	AN 1/30	N		Not used

Remark:
The advanced shipping note number needs to be send back in 856 when supplier received it in a BENTELER Pickup sheet message before (Reference in DELJIT D97A PUS message is: RFF+AAU).

Example:
```
REF*AEV*007983484!
```

No = Consecutive segment number
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Counter	No	Tag	St	MaxOcc	Level	Name
0220		**N1**	R	1	2	**SHIP-TO**
		Should return what was sent in 862 N1 Ship To Information				
0220	11	**N1**	M	1	2	**Name**

		Standard		Implementation	
Tag	Name	St	Format	St Format	Usage / Remark
N1					
98	Entity Identifier Code	M	ID 2/3	M ID 2/3	**ST Ship To**
93	Name	C	AN 1/60	O AN 1/60	Free form name
66	Identification Code Qualifier	C	ID 1/2	R ID 1/2	**98 Purchasing Office**
67	Identification Code	C	AN 2/80	R AN 2/80	The Benteler Plant Code, Dined as Follows 0440 - Corporate 0442 - Hall Street Plant 0443 - Hagen Drive Plant 0444 - Clay Avenue Plant 0447 - Fort Wayne 0449 - Opelika Plant 0470 - Windsor Plant 0471 - Brampton Plant Other will be possible
706	Entity Relationship Code	O	ID 2/2	N	Not used
98	Entity Identifier Code	O	ID 2/3	N	Not used

Remark:

Example:
```
N1*ST*BENTELER*98*0440!
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
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Counter	No	Tag	St	MaxOcc	Level	Name
0220		**N1**	R	1	2	**SUPPLIER**
0220	12	**N1**	M	1	2	**Name**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
N1					
98	Entity Identifier Code	M ID 2/3	M	ID 2/3	**SU Supplier/Manufacturer**
93	Name	C AN 1/60	O	AN 1/60	Free form name
66	Identification Code Qualifier	C ID 1/2	R	ID 1/2	**16 ZIP Code**
67	Identification Code	C AN 2/80	R	AN 2/80	Supplier DUNS number
706	Entity Relationship Code	O ID 2/2	N		Not used
98	Entity Identifier Code	O ID 2/3	N		Not used

Remark:

Example:

```
N1*SU*Supplier Name*16*DUNS!
```

No = Consecutive segment number
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Counter	No	Tag	St	MaxOcc	Level	Name
0010		**HL**	M	200000	1	**ITEM LEVEL**
0010	13	**HL**	M	1	1	**Hierarchical Level**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
HL					
628	Hierarchical ID Number	M AN 1/12	M	AN 1/12	A unique number assigned by the sender to identify a particular data segment in a hierarchical structure
734	Hierarchical Parent ID Number	O AN 1/12	R	AN 1/12	Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to
735	Hierarchical Level Code	M ID 1/2	M	ID 1/2	**I Item**
736	Hierarchical Child Code	O ID 1/1	N		Not used

Remark:

Example:

```
HL*2*1*I!
```

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
0010		HL	M	200000	1	**ITEM LEVEL**
0020	14	LIN	R	1	2	**Item Identification**

Tag	Name	Standard St	Standard Format	Implementation St	Implementation Format	Usage / Remark
LIN						
350	Assigned Identification	O	AN 1/20	N		Not used
235	Product/Service ID Qualifier	M	ID 2/2	M	ID 2/2	**BP Buyer's Part Number**
234	Product/Service ID	M	AN 1/48	M	AN 1/48	Benteler material number
235	Product/Service ID Qualifier	C	ID 2/2	R	ID 2/2	**EC Engineering Change Level**
234	Product/Service ID	C	AN 1/48	R	AN 1/48	Engineering Change Level
235	Product/Service ID Qualifier	C	ID 2/2	R	ID 2/2	**PL Purchaser's Order Line Number**
234	Product/Service ID	C	AN 1/48	R	AN 1/48	Purchase order line number
235	Product/Service ID Qualifier	C	ID 2/2	R	ID 2/2	**PO Purchase Order Number**
234	Product/Service ID	C	AN 1/48	R	AN 1/48	Number Used To Uniquely Identify The Purchasing Document
235	Product/Service ID Qualifier	C	ID 2/2	R	ID 2/2	**RN Release Number**
234	Product/Service ID	C	AN 1/48	R	AN 1/48	Release Number Of The Purchasing Document
235	Product/Service ID Qualifier	C	ID 2/2	N		Not used
234	Product/Service ID	C	AN 1/48	N		Not used
235	Product/Service ID Qualifier	C	ID 2/2	N		Not used
234	Product/Service ID	C	AN 1/48	N		Not used
235	Product/Service ID Qualifier	C	ID 2/2	N		Not used
234	Product/Service ID	C	AN 1/48	N		Not used
235	Product/Service ID Qualifier	C	ID 2/2	N		Not used
234	Product/Service ID	C	AN 1/48	N		Not used
235	Product/Service ID Qualifier	C	ID 2/2	N		Not used
234	Product/Service ID	C	AN 1/48	N		Not used
235	Product/Service ID Qualifier	C	ID 2/2	N		Not used
234	Product/Service ID	C	AN 1/48	N		Not used
235	Product/Service ID Qualifier	C	ID 2/2	N		Not used
234	Product/Service ID	C	AN 1/48	N		Not used
235	Product/Service ID Qualifier	C	ID 2/2	N		Not used
234	Product/Service ID	C	AN 1/48	N		Not used
235	Product/Service ID Qualifier	C	ID 2/2	N		Not used
234	Product/Service ID	C	AN 1/48	N		Not used
235	Product/Service ID Qualifier	C	ID 2/2	N		Not used
234	Product/Service ID	C	AN 1/48	N		Not used

Remark:

Example:

```
LIN**BP*60394943*EC*A*PL*00070*PO*5500000999*RN*12!
```

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

restricted 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
0010		**HL**	M	200000	1	**ITEM LEVEL**
0030	15	**SN1**	R	1	2	**Item Detail (Shipment)**

		Standard		Implementation	
Tag	Name	St Format		St Format	Usage / Remark
SN1					
350	Assigned Identification	O AN 1/20		N	Not used
382	Number of Units Shipped	M R 1/10		M R 1/10	Numeric value of units shipped in manufacture's shipping units for a line item or transaction set
355	Unit or Basis for Measurement Code	M ID 2/2		M ID 2/2	Code specifying the units in which a value is beging expressed, or manner in which a measurement has been taken This Must Be The Same Unit Of Mesaurement Provided On The Corresponding Releasing Document.
646	Quantity Shipped to Date	O R 1/15		N	Not used
330	Quantity Ordered	C R 1/15		N	Not used
355	Unit or Basis for Measurement Code	C ID 2/2		N	Not used
728	Returnable Container Load Make-Up Code	O ID 1/2		N	Not used
668	Line Item Status Code	O ID 2/2		N	Not used

Remark:
For the 355 you should return the value sent in the 862 UIT segment

Example:
```
SN1**500*EA!
```

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

restricted

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
0010		HL	M	200000	1	**ITEM LEVEL**
0080	16	MEA	D	1	2	**Measurements**

Tag	Name	Standard St	Standard Format	Implementation St	Implementation Format	Usage / Remark
MEA						
737	Measurement Reference ID Code	O	ID 2/2	R	ID 2/2	**PD Physical Dimensions**
738	Measurement Qualifier	O	ID 1/3	R	ID 1/3	**LN Length**
739	Measurement Value	C	R 1/20	R	R 1/20	Lenght value
C001	Composite Unit of Measure	C		R		
355	Unit or Basis for Measurement Code	M	ID 2/2	M	ID 2/2	**IN Inch** **MM Millimeter** **MR Meter** **CM Centimeter**
1018	Exponent	O	R 1/15	N		Not used
649	Multiplier	O	R 1/10	N		Not used
355	Unit or Basis for Measurement Code	O	ID 2/2	N		Not used
1018	Exponent	O	R 1/15	N		Not used
649	Multiplier	O	R 1/10	N		Not used
355	Unit or Basis for Measurement Code	O	ID 2/2	N		Not used
1018	Exponent	O	R 1/15	N		Not used
649	Multiplier	O	R 1/10	N		Not used
355	Unit or Basis for Measurement Code	O	ID 2/2	N		Not used
1018	Exponent	O	R 1/15	N		Not used
649	Multiplier	O	R 1/10	N		Not used
355	Unit or Basis for Measurement Code	O	ID 2/2	N		Not used
1018	Exponent	O	R 1/15	N		Not used
649	Multiplier	O	R 1/10	N		Not used
740	Range Minimum	C	R 1/20	N		Not used
741	Range Maximum	C	R 1/20	N		Not used
935	Measurement Significance Code	O	ID 2/2	N		Not used
936	Measurement Attribute Code	C	ID 2/2	N		Not used
752	Surface/Layer/Position Code	O	ID 2/2	N		Not used
1373	Measurement Method or Device	O	ID 2/4	N		Not used

Remark:
Has to be used if required by BENTELER plant. Normaly this only the case for BENTELER Steel/Tube.

Example:
```
MEA*PD*LN*54.000*IN!
```

Counter	No	Tag	St	MaxOcc	Level	Name
0170		**CLD**	D	200	2	**PACKAGING**
		If required by BENTELER process.				
0170	17	**CLD**	M	1	2	**Load Detail**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
CLD					
622	Number of Loads	M N0 1/5	M	N0 1/5	Amount of packages with same BENTELER packaging code (REF*LS_352) and same shipped units (CLD_382).
382	Number of Units Shipped	M R 1/10	M	R 1/10	Amount of shipped units in one package.
103	Packaging Code	O AN 3/5	N		Not used
357	Size	C R 1/8	N		Not used
355	Unit or Basis for Measurement Code	O ID 2/2	N		Not used

Remark:
Use new CLD group when:
a) BENTELER packaging code changes for Single boxes (REF*LS_352)
b) amout of shipped units (CLD_382) in one box changes.
c) a new master unit has to be used.

Example:
```
CLD*5*100!
```

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

restricted 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
0170		**CLD**	D	200	2	**PACKAGING**
		If required by BENTELER process.				
0180	18	**REF**	R	200	3	**Reference Identification**

		Standard		Implementation	
Tag	Name	St	Format	St	Format	Usage / Remark
REF						
128	Reference Identification Qualifier	M	ID 2/3	M	ID 2/3	**LS Single Package unit (KLT)** **LM Master Package unit (GLT)** **LG Mixed Package unit** **AX Auxilliary packaging**
127	Reference Identification	C	AN 1/30	R	AN 1/30	LS - Serial Number of package LM - Serial Number of outer package (master pallet) LG - Serial Number of outer package (mixed pallet) AX - Amount of used auxiliary packaging
352	Description	C	AN 1/80	R	AN 1/80	Benteler packaging code **Benteler packaging code**
C040	Reference Identifier	O		D		
128	Reference Identification Qualifier	M	ID 2/3	M	ID 2/3	**HC Heat Code**
127	Reference Identification	M	AN 1/30	M	AN 1/30	Heat Code has to be used if required by BENTELER plant.
128	Reference Identification Qualifier	C	ID 2/3	N		Not used
127	Reference Identification	C	AN 1/30	N		Not used
128	Reference Identification Qualifier	C	ID 2/3	N		Not used
127	Reference Identification	C	AN 1/30	N		Not used

Remark:
Packaging mast follow this order:
1) Master (LM) or Mixed (LG)
2) Single (LS)
3) Auxilliary (AX)
If master/mixed or auxiliary does not exist leave it. Never use other order.
For each new master/mixed unit a new CLD group should be opend.

Example:
```
REF*LS*200202292*P1234*HC:73132318!
```

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
0010	19	**CTT**	R	1	0	**Transaction Totals**

		Standard		Implementation	
Tag	Name	St	Format	St Format	Usage / Remark
CTT					
354	Number of Line Items	M	N0 1/6	M N0 1/6	Total number of LIN segments
347	Hash Total	O	R 1/10	N	Not used
81	Weight	C	R 1/10	N	Not used
355	Unit or Basis for Measurement Code	C	ID 2/2	N	Not used
183	Volume	C	R 1/8	N	Not used
355	Unit or Basis for Measurement Code	C	ID 2/2	N	Not used
352	Description	O	AN 1/80	N	Not used

Remark:

Example:

```
CTT*2!
```

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	20	**SE**	M	1	0	**Transaction Set Trailer**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
SE						
96	Number of Included Segments	M	N0 1/10	M	N0 1/10	
329	Transaction Set Control Number	M	AN 4/9	M	AN 4/9	Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Remark:

Example:

```
SE*21*0001!
```

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
0000	21	**GE**	R	1	0	**Functional Group Trailer**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
GE					
97	Number of Transaction Sets Included	M N0 1/6	M	N0 1/6	Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element
28	Group Control Number	M N0 1/9	M	N0 1/9	Assigned number originated and maintained by the sender

Remark:

Example:

```
GE*1*1!
```

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
0000	22	**IEA**	M	1	0	**Interchange Control Trailer**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
IEA					
I16	Number of Included Functional Groups	M N0 1/5	M	N0 1/5	A count of the number of functional groups included in an interchange
I12	Interchange Control Number	M N0 9/9	M	N0 9/9	

Remark:

Example:
```
IEA*1*000000012!
```

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

ANSI X12 856 Examples

ISA~00~ ~00~ ~ZZ~MMMX MMMX001 ~ZZ~BENTUSA ~171030~1321~U~00401~000001966~0~P~<
GS~SH~122704067~112836044~20171030~1321~1899~X~004010
ST~856~0899
BSN~00~089671~20171030~1321
DTM~011~20171030~1321
HL~1~~S
TD1~~15
TD5~B~2~HMES~LT
TD3~LT~~89671
REF~AEV~8229292
N1~ST~BENTELER AUTOMOTIVE~98~0443
N1~SU~~16~122704067
HL~2~1~I
LIN~~BP~13008070~EC~--~PL~00010~PO~U550002884~RN~20171017063931
SN1~~500~EA

Example 1
CLD~5~100
REF~LS~900001~P1001
REF~LS~900002~P1001
REF~LS~900003~P1001
REF~LS~900004~P1001
REF~LS~900005~P1001

HL~3~1~I
LIN~~BP~13017491~EC~--~PL~00020~PO~U550003396~RN~20171017060007
SN1~~300~EA

Example 2
CLD~3~100
REF~LM~900006~P1002
REF~LS~900007~P1003
REF~LS~900008~P1003
REF~LS~900009~P1003

HL~4~1~I
LIN~~BP~13017808~EC~--~PL~00030~PO~50001670~RN~20171018145644

Example 3
SN1~~100~EA
CLD~2~50
REF~LS~900010~P1004
REF~LS~900011~P1004
REF~AX~10~AUX0001

HL~5~1~I
LIN~~BP~13017874~EC~--~PL~00040~PO~50001670~RN~20171018145644
SN1~~600~EA

Example 4.1
CLD~3~100
REF~LM~900012~P1005
REF~LS~900013~P1006
REF~LS~900014~P1006
REF~LS~900015~P1006
REF~AX~5~AUX0002

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

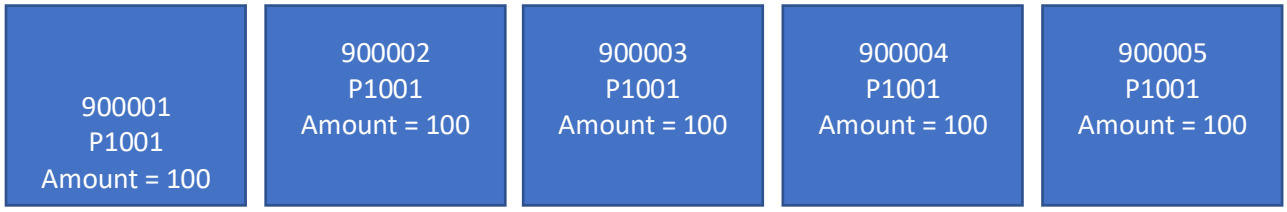
restricted

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

Example 4.2

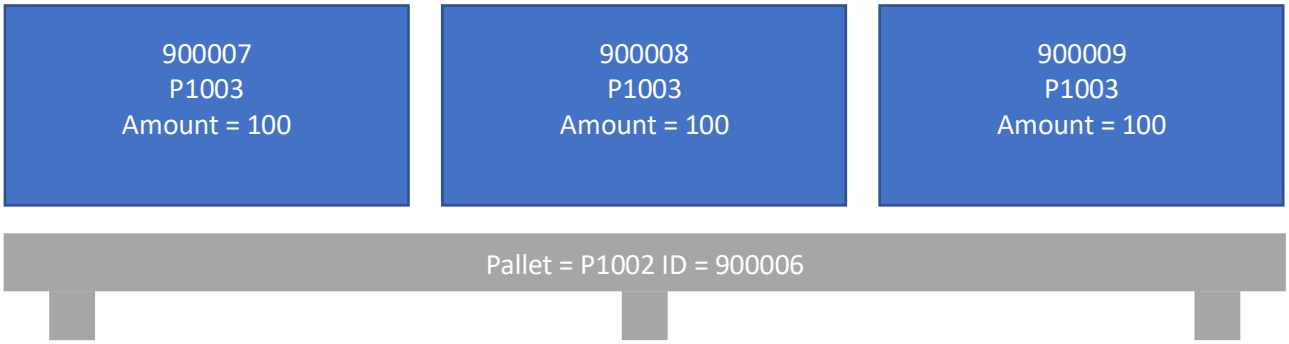
```
CLD~3~100
REF~LG~900016~P1005
REF~LS~900017~P1006
REF~LS~900018~P1006
REF~LS~900019~P1006
REF~AX~5~AUX0002
CTT~5
SE~50~0899
GE~1~1899
IEA~1~000001966
```

Example 1



1)	Package identification is P1001	amount is 100	unique number is 900001
2)	Package identification is P1001	amount is 100	unique number is 900002
3)	Package identification is P1001	amount is 100	unique number is 900003
4)	Package identification is P1001	amount is 100	unique number is 900004
5)	Package identification is P1001	amount is 100	unique number is 900005

Example 2



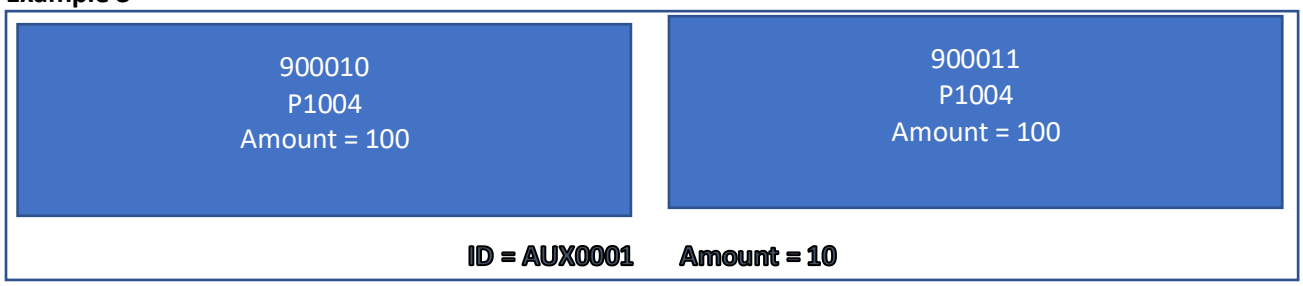
1)	Pallet identification is P1002		unique number is 900006
2)	Package identification is P1003	amount is 100	unique number is 900007
3)	Package identification is P1003	amount is 100	unique number is 900008
4)	Package identification is P1003	amount is 100	unique number is 900009

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

restricted

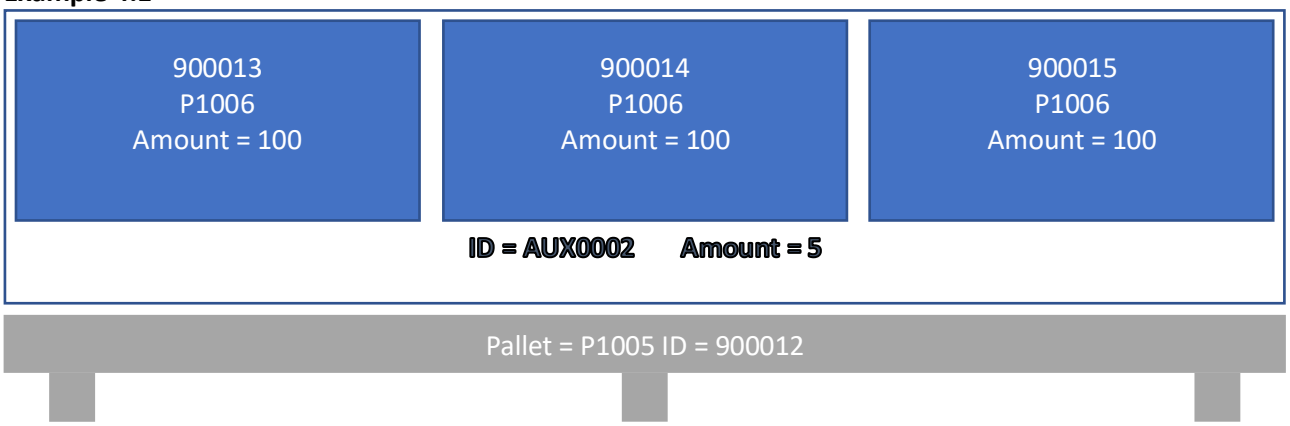
Sts = Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Example 3



1)	Package identification is P1001	amount is 100	unique number is 900001
2)	Package identification is P1001	amount is 100	unique number is 900002
3)	Package identification is AX	amount is 10	unique number is AUX0001

Example 4.1



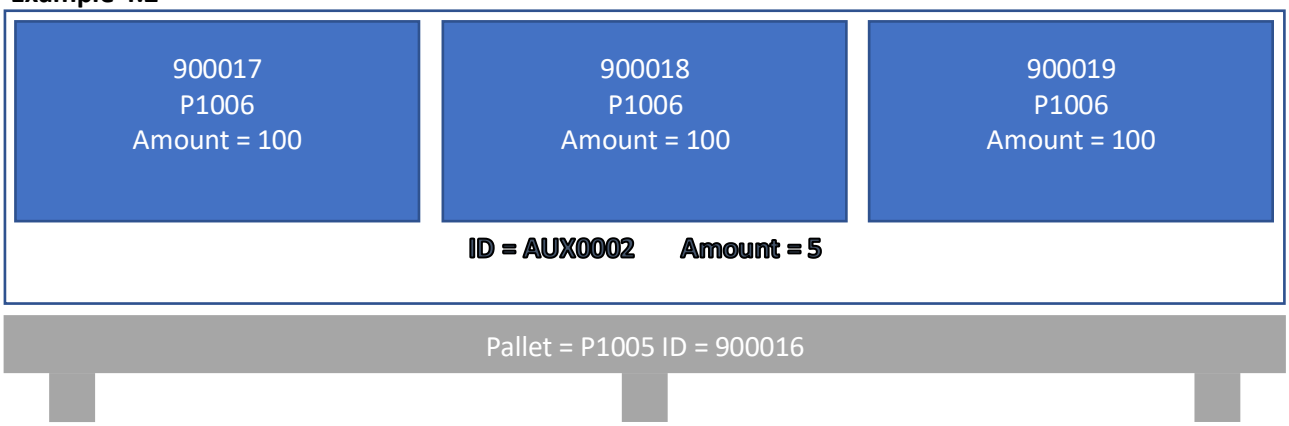
1)	Pallet identification is P1005		unique number is 900012
2)	Package identification is P1006	amount is 100	unique number is 900013
3)	Package identification is P1006	amount is 100	unique number is 900014
4)	Package identification is P1006	amount is 100	unique number is 900015
5)	Package identification is AX	amount is 5	unique number is AUX0002

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

restricted

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

Example 4.2



1)	Pallet identification is P1005		unique number is 900016
2)	Package identification is P1006	amount is 100	unique number is 900017
3)	Package identification is P1006	amount is 100	unique number is 900018
4)	Package identification is P1006	amount is 100	unique number is 900019
5)	Package identification is AX	amount is 5	unique number is AUX0002

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

restricted

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