

LEONI

Guideline DESADV

Version 11

History:

Date	Chapter	Name	Changes/enhancements	Agreed with
14.05.2013		Fußeder	First draft	
16.05.2013	3	Fußeder	Examples for packaging structure	
22.05.2013		Fußeder	Review	Feigl
29.05.2013	3.4.2	Fußeder	Change PAC Segment	
04.06.2013		Fußeder	Small error corrections in examples	
12.06.2013		Fußeder	Removal of partner UD in Dispatch advice	Feigl
06.11.2013	2.3.17	Fußeder	Adjustment RFF segment	Feigl
22.01.2014	overall	Mihaescu	Adjustments Non JIT	
23.01.2014	3.9.3	Mihaescu	Variant 3: Mixed Pallet structure Non JIT	Dotzler
06.02.2014	2.3.3, 2.3.19	Mihaescu	Adjustment BGM and LIN Segment	Fußeder
06.02.2014	2.3.1	Dotzler	Adjustment UNB Segment	Mihaescu
21.02.2014	2.3.20	Mihaescu	Insert PIA Segment	Dotzler
13.08.2014	2.3.7.	Mihaescu	Insert NAD+UD and NAD+CZ. Change description of NAD Segment	Dotzler
20.01.2016	2.3.18	Mihaescu	GIR Segment changes Qualifier AP added (7405) Status description code (4405)	Dotzler
26.04.2016	2.3.18	Mihaescu	GIR Segment changes Qualifier CS added (7405)	Dotzler
08.02.2017	2.1, 2.3.18	Schau	GIR Segment changes MaxRep increased	Dotzler
14.06.2019	2.3.20	Dotzler	PIA Segment changes Added additional component "C212" for engineering change.	Schau
24.06.2019	2.3.22	Dotzler	Added SG18 and RFF-Segment (code "ON"). Corrected GR example message (RFF+DQ -> RFF+ATS).	Schau
23.05.2023	2.3.11	Talotti	Added C040 to TDT in SG6 for Carrier name	Dotzler

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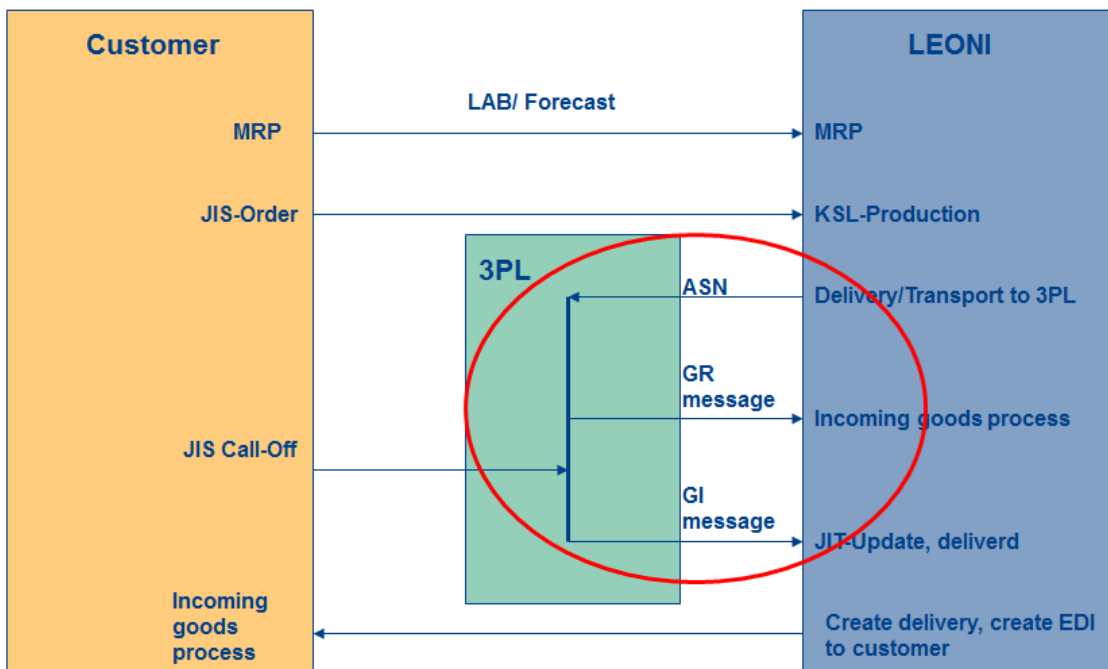
1 Overview

The purpose of this document is to describe the messages and necessary data content for the process between LEONI and the service provider.

1.1 Message overview

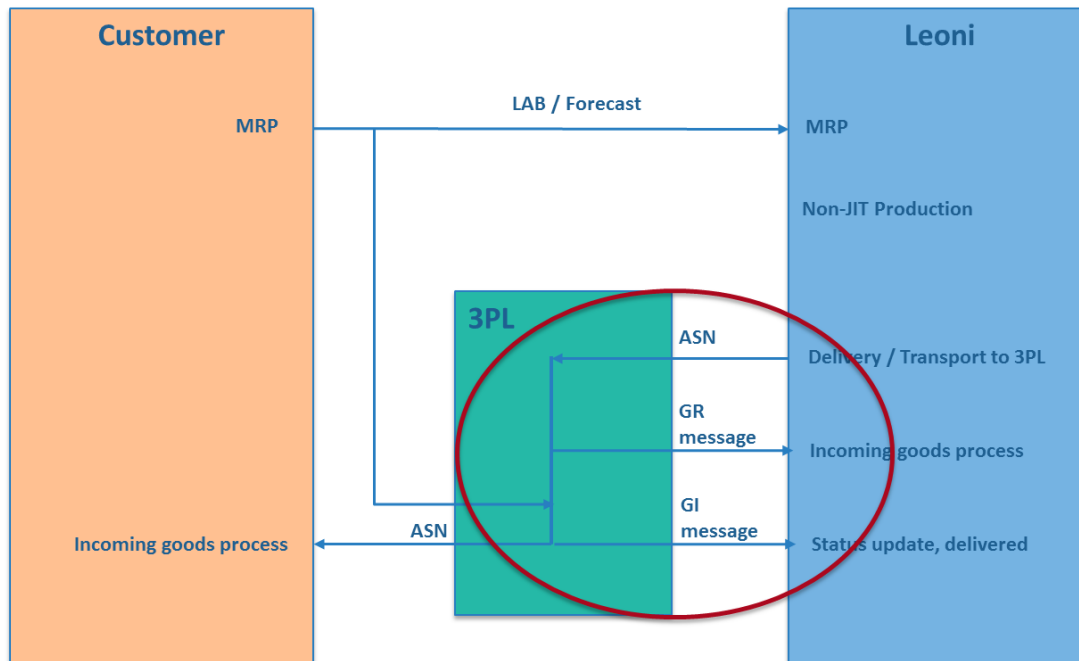
JIT Process

Dataflow process Customer-Service provider-LEONI **LEONI**



Non JIT Process

Dataflow process Customer-Service provider-LEONI



1.2 Description

The process overview shows all EDI messages which are transmitted between the customer, the service provider and LEONI. The focus in this document is to describe the message structure of the information between service provider and LEONI.

The following messages will be exchanged between the two parties:

1. Outbound (from LEONI to service provider)
 - a. ASN (advanced shipping notice)
2. Inbound (from service provider to LEONI)
 - a. GR message (confirmation of the physical goods receipt)
 - b. GI message (confirmation of the physical goods issue to the customer)

The structure of the message will always reflect the following assumption:

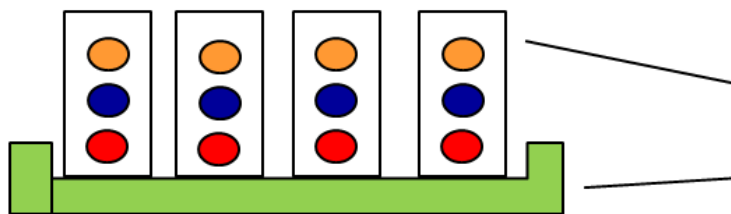
One shipment will only contain one delivery note **(1: 1 relationship)**. The case, that one shipment will contain multiple delivery note numbers is excluded.

1.3 Packaging variants

1.3.1 Packaging variants JIT

□ Variant 1:

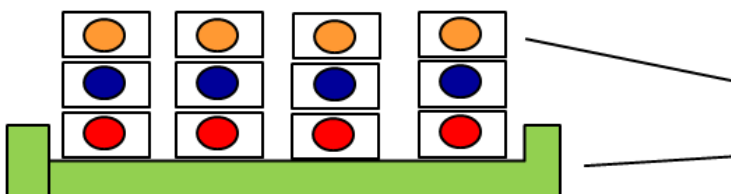
- = transmission of packaging within EDI
- = no transmission within EDI



□ Multiple KSL within the inner packaging

□ Outer packaging e.g. palett

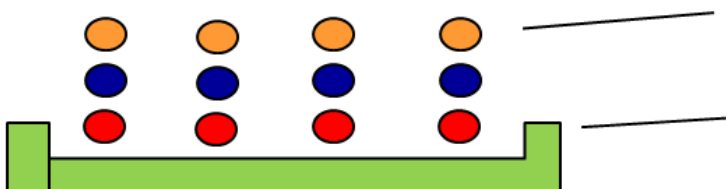
□ Variant 2:



□ One KSL per inner packaging

□ Outer packaging e.g. palett

□ Variant 3:



□ No inner packaging

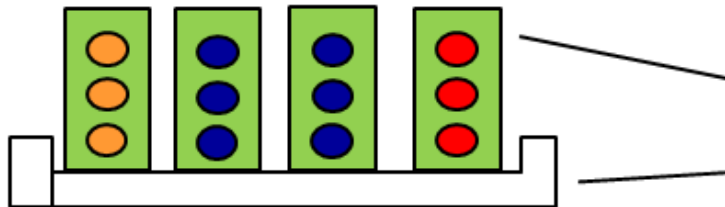
□ Outer packaging e.g. special loading equipment

The packaging structure within the EDI message is only showing the outer packaging. The inner packaging will not be transmitted in the outbound ASN and is not required in the inbound messages. In the outbound message, the unique identification of the outer packaging (Handling Unit) will be additionally transmitted.

1.3.2 Packaging Variants Non JIT

□ Variant 1:

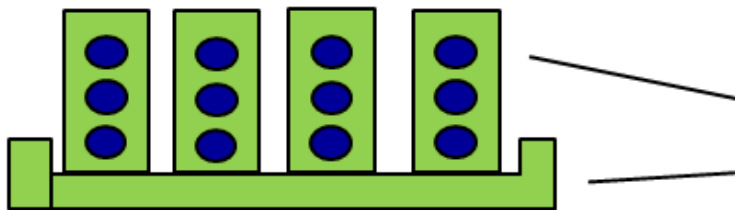
- = transmission of packaging within EDI
- = no transmission within EDI



□ Same PN / Box

□ Outer packaging e.g. pallet

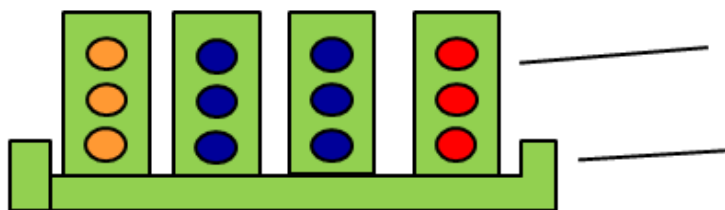
□ Variant 2:



□ Same PN / Box

□ Same PN / Palet

□ Variant 3:



□ Same PN / Box

□ Multiple PN / Palet

In the case of Non JIT part numbers there will be 3 packaging variants.

Variant 1:

The boxes will be booked in individually at the service provider, so no outer packaging is needed in the transmission.

The packaging structure within the EDI message is only showing the inner packaging. The outer packaging will not be transmitted in the outbound ASN and is not required in the inbound messages. In the outbound message, the unique identification of the inner packaging will be additionally transmitted.

Variant 2:

Homogenous pallet: all the boxes on the pallet contain the same part number.

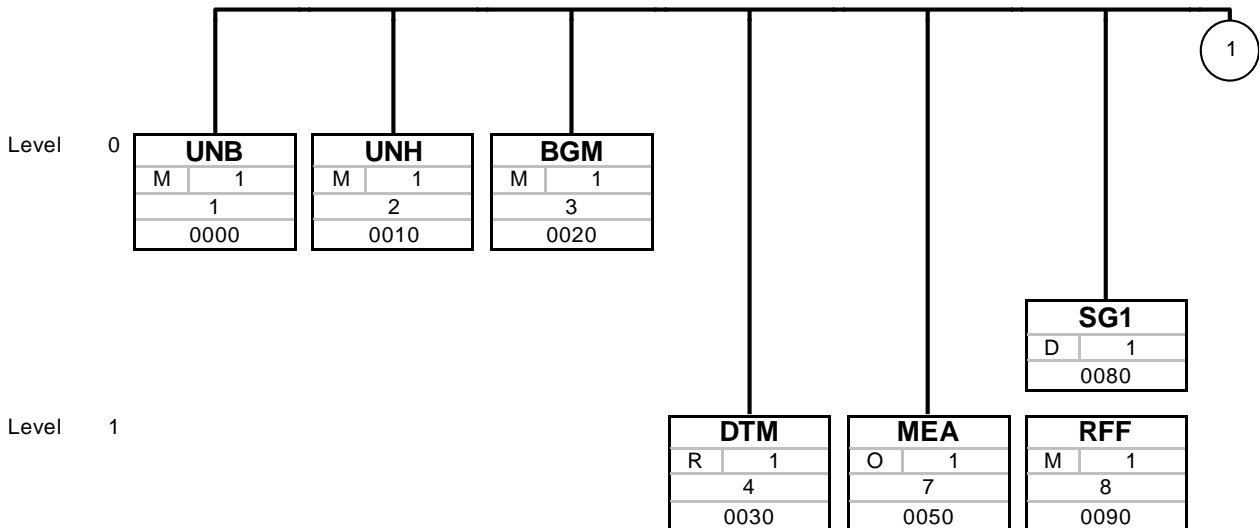
In the EDI structure, the qualifier for the master label (RFF+AA T) will have an M preceding the serial number.

Variant 3:

Mixed pallet the boxes on the pallet contain different part numbers. Inside the boxes though there is always the same part number. In the EDI structure, the qualifier for the master label (RFF+AAT) will have a G preceding the serial number.

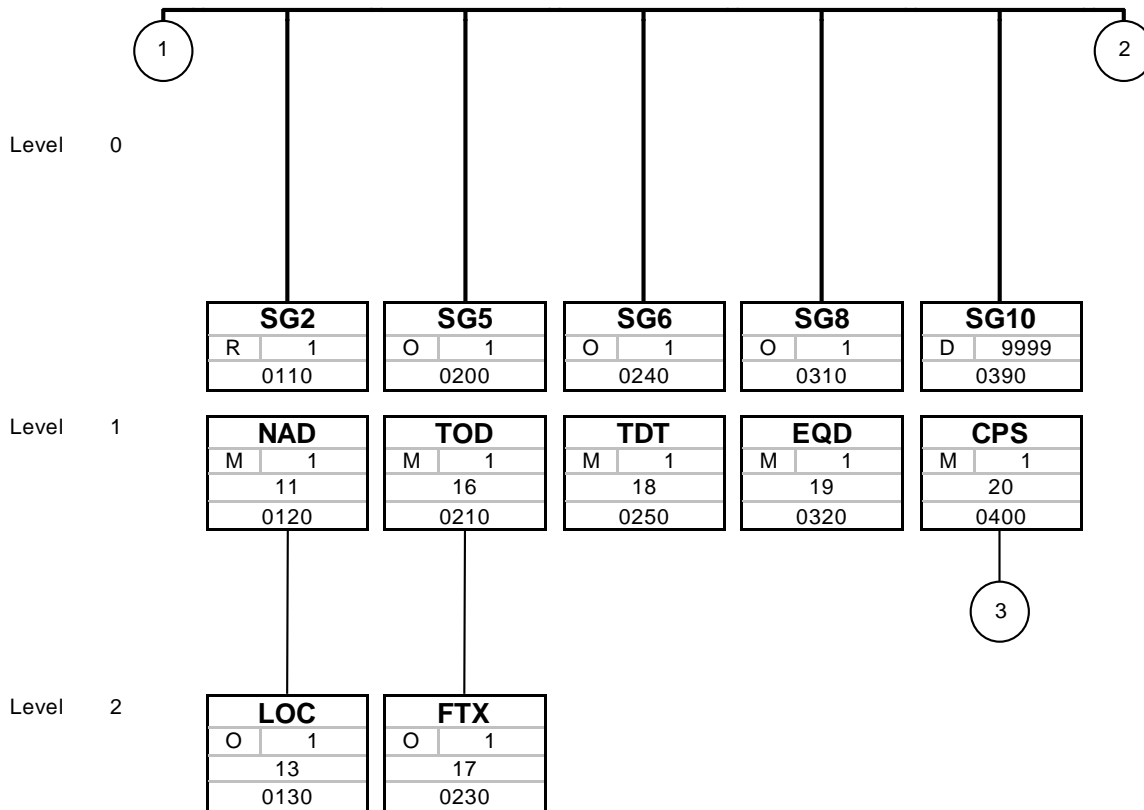
2 Message description

2.1 Branching diagram



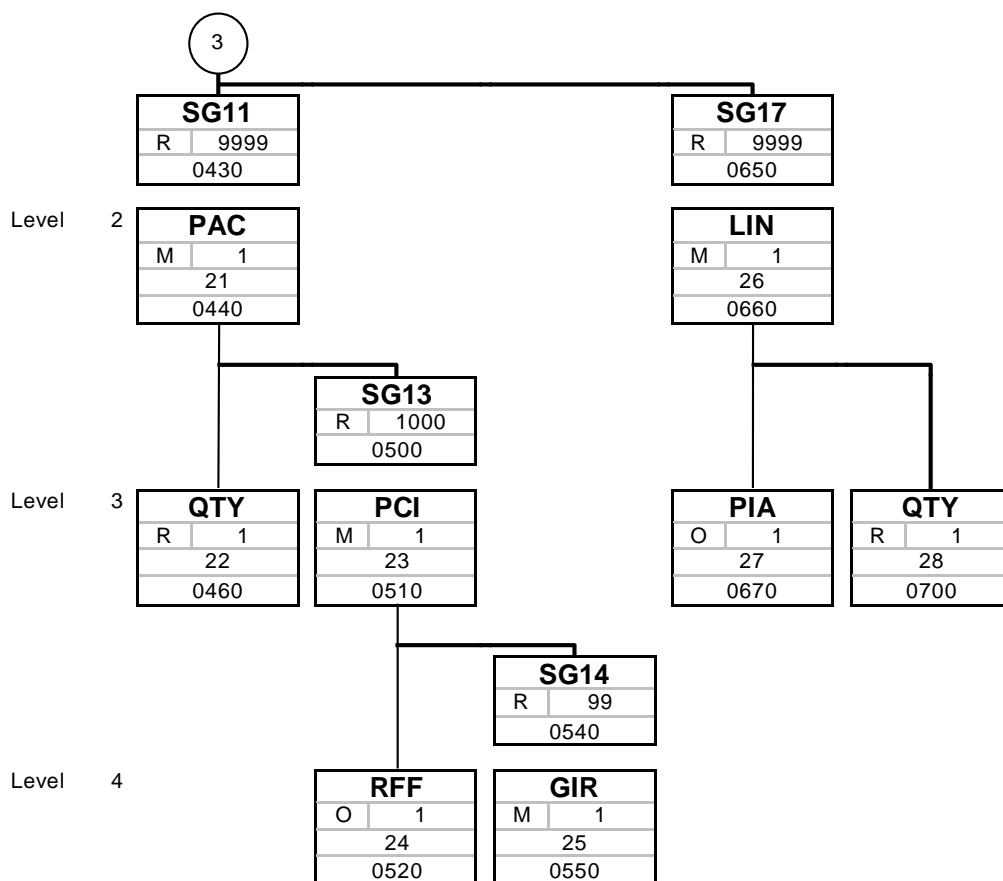
No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

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



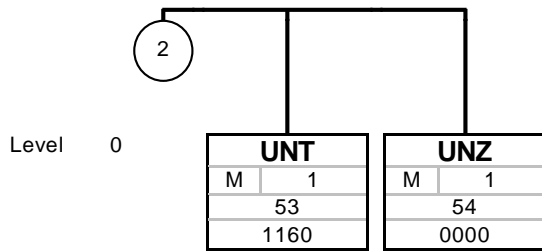
No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

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



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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

2.2 Message structure

Counter	No	Tag	St	MaxOcc	Level	Content
0000	1	UNB	M	1	0	Interchange header
0010	2	UNH	M	1	0	Message header
0020	3	BGM	M	1	0	Beginning of message
0030	4	DTM	C	10	1	Date/time/period
0050	5	MEA	C	5	1	Measurements
0080		SG1	C	99	1	RFF
0090	6	RFF	M	1	1	Delivery information
0110		SG2	C	99	1	NAD-LOC
0120	7	NAD	M	1	1	Name and adress of the supplier
0130	8	LOC	C	10	2	Final delivery location
0200		SG5	C	10	1	TOD-FTX
0210	9	TOD	D	1	1	Terms of delivery
0230	10	FTX	C	5	2	Free text
0240		SG6	C	10	1	TDT
0250	11	TDT	M	1	1	Mode of transport
0310		SG8	C	10	1	EQD
0320	12	EQD	O	1	1	Equipment / means of transport
0390		SG10	C	9999	1	CPS-SG11-SG17
0400	13	CPS	M	1	1	Consignment packing sequence
0430		SG11	C	9999	2	PAC-QTY-SG13
0440	14	PAC	M	1	2	Package
0460	15	QTY	C	10	3	Quantity
0500		SG13	C	1000	3	PCI-RFF-SG14
0510	16	PCI	M	1	3	Package identification
0520	17	RFF	M	1	4	Package identification
0540		SG14	C	99	4	GIR
0550	18	GIR	M	1	4	Related identification numbers
0650		SG17	C	9999	2	LIN-PIA-QTY
0660	19	LIN	M	1	2	Line item
0670	20	PIA	C	10	3	Additional product id
0700	21	QTY	M	10	3	Delivery quantity
1160	22	UNT	M	1	0	Message trailer
0000	23	UNZ	M	1	0	Interchange trailer

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

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 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

2.3 Segments

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

0000 1 **UNB** M 1 0 Interchange header

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNB				
S001	Syntax identifier	M	M	UNOA UN/ECE level A 2 Version 2
0001	Syntax identifier	M a4	M a4	
0002	Syntax version number	M n1	M n1	
S002	Interchange sender	M	M	Senders Odette ID / EDI Address / DUNS, as agreed EDI Address Qualifier. Only if EDI Address is used in UNB_S002_0004.
0004	Sender identification	M an..35	M an..35	
0007	Partner identification code qualifier	C an..4	O an..4	
0008	Address for reverse routing	C an..14	N	
S003	Interchange recipient	M	M	Receivers Odette ID / EDI Address / DUNS, as agreed EDI Address Qualifier. Only if EDI Address is used in UNB_S003_0010.
0010	Recipient identification	M an..35	M an..35	
0007	Partner identification code qualifier	C an..4	O an..4	
0014	Routing address	C an..14	N	
S004	Date/time of preparation	M	M	Transmission file's date of creation YYMMDD
0017	Date of preparation	M n6	M n6	
0019	Time of preparation	M n4	M n4	Transmission file's time of creation HHMM
0020	Interchange control reference	M an..14	M an..14	Unique reference number to identify transmission. Assigned by sender (converter)
S005	Recipient's reference, password	C	N	Not used
0022	Recipient's reference/ password	M an..14	N	
0025	Recipient's reference/ password qualifier	C an2	N	
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:2+00013000001XYZZ01:1+00013000001ZYX01:1+001220:1247+1234567'

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

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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	2	UNH	M	1	0	Message header

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	M an..6	M	an..6	DESADV
0052	Message version number	M an..3	M	an..3	D
0054	Message release number	M an..3	M	an..3	10A
0051	Controlling agency	M an..2	M	an..2	UN
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 of transfers	M n..2	N		Not used
0073	First and last transfer	C a1	N		Not used

Remark:

Example:

UNH+1234567891+DESADV:D:10A: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	3	BGM	M	1	0	Beginning of message

Standard			Implementation		
Tag	Name	St Format	St	Format	Usage / Remark
BGM					
C002	Document/message name	C	R		
1001	Document name code	C an..3	R	an..3	Message type 350 Despatch order 351 Despatch advice 632 Goods receipt
1131	Code list identification code	C an..17	N		Not used
3055	Code list responsible agency code	C an..3	N		Not used
1000	Document name	C an..35	N		Not used
C106	Document/message identification	C	R		
1004	Document identifier	C an..70	R	an..70	Shipment number for ASN and GR message, Unique identifier for GI message
1056	Version identifier	C an..9	N		Not used
1060	Revision identifier	C an..6	N		Not used
1225	Message function code	C an..3	R	an..3	241 JIT 242 Non JIT
4343	Response type code	C an..3	N		Not used

Remark:

BGM 1001 is used to distinguish the three different messages. In BGM 1004 there will be the shipment number in case of the dispatch advice. In case of the GR message, the shipment number from the dispatch advice should be content of BGM 1004. For the GI message, a unique number has to be sent as identifier.

Qualifier 1225 is used to specify if the message is for a JIT or a Non JIT part number

Example:

BGM+350+12345678+241'

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,
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Counter	No	Tag	St	MaxOcc	Level	Name
0030	4	DTM	C	10	1	Date/time/period

Standard			Implementation		
Tag	Name	St Format	St	Format	Usage / Remark
DTM					
C507	Date/time/period	M	D		
2005	Date or time or period function code qualifier	M an..3	D	an..3	137 Document issue date time 11 Despatch date and or time 50 Goods receipt date/time
2380	Date or time or period text	C an..35	D	an..12	
2379	Date or time or period format code	C an..3	D	an..3	203 CCYYMMDDHHMM

Remark:

DTM+137 is required for all messages.
 Additionally, for dispatch advice, DTM+11 is transmitted.
 For the GR message, DTM+50 is required.

Example:

DTM+137:201304152218:203'
 DTM+11:201304152218:203'

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
0050	5	MEA	C	5	1	Measurements

Standard			Implementation		
Tag	Name	St Format	St	Format	Usage / Remark
MEA					
6311	Measurement purpose code qualifier	M an..3	M	an..3	AAX Consignment measurement
C502	Measurement details	C	O		
6313	Measured attribute code	C an..3	O	an..3	AAC Total net weight
6321	Measurement significance code	C an..3	N		Not used
6155	Non-discrete measurement name code	C an..17	N		Not used
6154	Non-discrete measurement name	C an..70	N		Not used
C174	Value/range	C	O		
6411	Measurement unit code	M an..8	M	an..8	KGM kilogram
6314	Measure	C an..18	M	an..18	Good's weight excluding packaging
6162	Range minimum quantity	C n..18	N		Not used
6152	Range maximum quantity	C n..18	N		Not used
6432	Significant digits quantity	C n..2	N		Not used
7383	Surface or layer code	C an..3	N		Not used

Remark:

Will be only transmitted within the dispatch advice message. This information is not required in the goods receipt and goods issue message.

Example:

MEA+AAX+AAC+KGM:1234567'

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
0080		SG1	C	99	1	RFF
0090	6	RFF	M	1	1	Delivery information

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	DQ Delivery note number SS Sellers reference number ATS external object reference
1154	Reference identifier	C an..70	M an..10	Delivery note number for DQ and ATS RBMR for interior/engine bay KSL and COC for cockpit KSL (case of dispatch advice/GR mes-sage and SS)
1156	Document line identifier	C an..6	N	Not used
1056	Version identifier	C an..9	N	Not used
1060	Revision identifier	C an..6	N	Not used

Remark:

The RFF+DQ is mandatory for the dispatch advice and has to include the delivery note number.
In case of the goods issue message, the RFF+ATS is mandatory and has to include the delivery note or unique identification number from the dispatch of the service provider to the customer

JIT Specification

RFF+SS will contain in case of a dispatch advice, the distinction between deliveries with harnesses for interi-or/engine bay or the cockpit. This identifier will be sent within the dispatch advice and is also required within the goods receipt message and goods issue message to distinguish between interior/engine bay and cockpit har-nesses.
This distinction is only required if cockpit and interior/engine bay harnesses are sent separately. If sent within one delivery note, RFF+SS will not be sent and is not required in GR and GI message.
In case of the goods issue message, the RFF+ATS is mandatory and has to include the delivery note or unique identification number from the dispatch of the service provider to the customer.

Non JIT Specification

Qualifier SS is not used
In case of the goods issue message, the RFF+ATS is mandatory and has to include the delivery note or unique identification number from the dispatch of the service provider to the customer

Example:

RFF+DQ: 1234567891 '
RFF+SS: COC '

No = Consecutive segment number
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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
0110		SG2	C	99	1	NAD-LOC
0120	7	NAD	M	1	1	Name and adress of the supplier

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
NAD				
3035	Party function code qualifier	M an..3	M an..3	SU Supplier ST Ship to CZ Consignor UD Ultimate customer
C082	Party identification details	C	M	
3039	Party identifier	M an..35	M an..10	Reference number of the party
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	R an..3	92 Assigned by buyer or buyer's agent
C058	Name and address	C	O	
3124	Name and address description	M an..35	M an..35	
3124	Name and address description	C an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
C080	Party name	C	O	
3036	Party name	M an..70	M an..70	
3036	Party name	C an..70	N	Not used
3036	Party name	C an..70	N	Not used
3036	Party name	C an..70	N	Not used
3036	Party name	C an..70	N	Not used
3045	Party name format code	C an..3	N	Not used
C059	Street	C	N	
3042	Street and number or post office box identifier	M an..35	N	Not used
3042	Street and number or post office box identifier	C an..35	N	Not used
3042	Street and number or post office box identifier	C an..35	N	Not used
3042	Street and number or post office box identifier	C an..35	N	Not used
3164	City name	C an..35	N	Not used
C819	Country subdivision details	C	N	
3229	Country subdivision identifier	C an..9	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
3228	Country subdivision name	C an..70	N	Not used
3251	Postal identification code	C an..17	N	Not used
3207	Country identifier	C an..3	N	Not used

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

Remark:

SU – must be used in all cases.

Party who sends the parts, identification of LEONI. The identification used here is the LEONI supplier number given by the final customer

ST – can be used only with BGM+351

Party who is receiving the goods, identification of the service provider. Identification number given to the service provider by LEONI

UD – must be used in all cases

The final recipient of goods. The identification used here can be the plant number transmitted by the final customer to LEONI

CZ – can be used only with BGM+351

Identification assigned internally by LEONI in case production plant differs from seller plant

Example:

NAD+SU+LEONI SUPPLIER NO FINAL CUSTOMER::92+X'

NAD+ST+SPROVIDER::92'

NAD+UD+PLANT NO FINAL CUSTOMER::92'

NAD+CZ+LEONI INTERNAL SUPPLIER NO::92'

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
0110		SG2	C	99	1	NAD-LOC
0130	8	LOC	C	10	2	Final delivery location

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
LOC				
3227	Location function code qualifier	M an..3	M an..3	7 Place of delivery
C517	Location identification	C	D	
3225	Location identifier	C an..35	D an..10	Place of delivery
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	D an..3	92 Assigned by buyer or buyer's agent
3224	Location name	C an..256	N	Not used
C519	Related location one identification	C	N	
3223	First related location identifier	C an..35	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
3222	First related location name	C an..70	N	Not used
C553	Related location two identification	C	N	
3233	Second related location identifier	C an..35	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
3232	Second related location name	C an..70	N	Not used
5479	Relation code	C an..3	N	Not used

Remark:

Describes the delivery location. Only relevant for NAD+ST if assigned by customer or service provider.

Example:

LOC+7+650Z: : 92'

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
0200		SG5	C	10	1	TOD-FTX
0210	9	TOD	D	1	1	Terms of delivery

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
TOD				
4055	Delivery or transport terms function code	C an..3	M an..3	5 Transport condition
4215	Transport charges payment method code	C an..3	M an..3	ZZZ Mutually defined
C100	Terms of delivery or transport	C	M	
4053	Delivery or transport terms description code	C an..3	M an..3	CFR Cost and Freight CIF Cost, Insurance, Freight (... named port of destination) CIP Carriage and Insurance Paid to (... named place of destination) CPT Carriage Paid To (... named place of destination) DAF Delivered At frontier (... named place) DDP Delivered Duty Paid (... named place of destination) DDU Delivered Duty Unpaid (... named place of destination) DEQ Delivered Ex Quay (Duty paid) (... named port of destination) DES Delivered Ex Ship (... named port of destination) EXW Ex Works (... named place) FAS Free Along Ship (... named port of shipment) FCA Free Carrier (... named place) FOB Free On Board (... named port of shipment)
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	M an..3	92 Assigned by buyer or buyer's agent
4052	Delivery or transport terms description	C an..70	N	Not used
4052	Delivery or transport terms description	C an..70	N	Not used

Remark:

Optional segment only for information within the dispatch advice. Not required in GR or GI message

Example:

TOD+5+ZZZ+EXW : : 92 '

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
0200		SG5	C	10	1	TOD-FTX
0230	10	FTX	C	5	2	Free text

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
FTX				
4451	Text subject code qualifier	M an..3	M an..3	AAI General information
4453	Free text function code	C an..3	M an..3	5 Header
C107	Text reference	C	N	
4441	Free text description code	M an..17	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
C108	Text literal	C	M	
4440	Free text	M an..512	M an..512	Free text
4440	Free text	C an..512	N	Not used
4440	Free text	C an..512	N	Not used
4440	Free text	C an..512	N	Not used
4440	Free text	C an..512	N	Not used
3453	Language name code	C an..3	N	Not used
4447	Free text format code	C an..3	N	Not used

Remark:

Optional Segment for transmitting Free text information on header level.
Usage has to be agreed between involved parties.

Example:

FTX+AAI+5++FREE HEADER TEXT'

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
0240		SG6	C	10	1	TDT
0250	11	TDT	M	1	1	Mode of transport

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
TDT				
8051	Transport stage code qualifier	M an..3	M an..3	12 At departure
8028	Means of transport journey identifier	C an..17	N	Not used
C220	Mode of transport	C	M	
8067	Transport mode name code	C an..3	R an..3	3 Road transport
8066	Transport mode name	C an..17	N	Not used
C001	Transport means	C	M	
8179	Transport means description code	C an..8	R an..8	31 Truck
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
8178	Transport means description	C an..17	N	Not used
C040	Carrier	C	O	
3127	Carrier identifier	C an..17	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
3126	Carrier name	C an..35	R an..35	Name of the Carrier
8101	Transit direction indicator code	C an..3	N	Not used
C401	Excess transportation information	C	N	
8457	Excess transportation reason code	M an..3	N	Not used
8459	Excess transportation responsibility code	M an..3	N	Not used
7130	Customer shipment authorisation identifier	C an..17	N	Not used
C222	Transport identification	C	N	
8213	Transport means identification name identifier	C an..35	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
8212	Transport means identification name	C an..70	N	Not used
8453	Transport means nationality code	C an..3	N	Not used
8281	Transport means ownership	C an..3	N	Not used

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

Standard		Implementation		
Tag	Name	St	Format	Usage / Remark
	indicator code			

Remark:

Optional segment only for information within the dispatch advice.
Not required in GR or GI message.

Example:

TDT+12++3+31+:::Carrier name'

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
0310		SG8	C	10	1	EQD
0320	12	EQD	O	1	1	Equipment / means of transport

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
EQD				
8053	Equipment type code qualifier	M an..3	M an..3	TE Trailer
C237	Equipment identification	C	M	
8260	Equipment identifier	C an..17	M an..17	Identification of the Trailer
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
3207	Country identifier	C an..3	N	Not used
C224	Equipment size and type	C	N	
8155	Equipment size and type description code	C an..10	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
8154	Equipment size and type description	C an..35	N	Not used
8077	Equipment supplier code	C an..3	N	Not used
8249	Equipment status code	C an..3	N	Not used
8169	Full or empty indicator code	C an..3	N	Not used
4233	Marking instructions code	C an..3	N	Not used

Remark:

Optional segment to transmit identification of the trailer. Will normally contain the license plate number of the truck. Not required in GR or GI message.

Example:

EQD+TE+KT-AD-555'

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
0390		SG10	C	9999	1	CPS-SG11-SG17
0400	13	CPS	M	1	1	Consignment packing sequence

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
CPS				
7164	Hierarchical structure level identifier	M an..35	M an..35	
7166	Hierarchical structure parent identifier	C an..35	N	Not used
7075	Packaging level code	C an..3	M an..3	1 Inner (Non JIT) 3 Outer (JIT)

Remark:

JIT Specification

As described in chapter 1.3.1, only the outer packaging is relevant for transmission. The CPS 7164 normally will be increased every time the outer packaging material changes within the shipment. Since the packaging material itself is not used (only the value DUMMY independent of the packaging material), there will be no change of packaging material independent of the physical packaging material.

Non JIT Specification

Described in chapter 1.3.2 there are 3 packaging variants. The CPS 7164 normally will be increased every time the outer packaging material changes within the shipment. The packaging material transmitted in the CPS Segment is the code of the inner package (box) used. The code of the outer package is not transmitted.

Example:

CPS+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
0430		SG11	C	9999	2	PAC-QTY-SG13
0440	14	PAC	M	1	2	Package

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
PAC				
7224	Package quantity	C n..8	R n..8	Number of same auxiliary packag-ing in one packaging level
C531	Packaging details	C	N	
7075	Packaging level code	C an..3	N	Not used
7233	Packaging related description code	C an..3	N	Not used
7073	Packaging terms and conditions code	C an..3	N	Not used
C202	Package type	C	C	
7065	Package type description code	C an..17	R an..17	Packaging code
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	R an..3	92 Assigned by buyer or buyer's agent
7064	Type of packages	C an..35	N	Not used
C402	Package type identification	C	N	
7077	Description format code	M an..3	N	Not used
7064	Type of packages	M an..35	N	Not used
7143	Item type identification code	C an..3	N	Not used
7064	Type of packages	C an..35	N	Not used
7143	Item type identification code	C an..3	N	Not used
C532	Returnable package details	C	N	
8395	Returnable package freight payment responsibility code	C an..3	N	Not used
8393	Returnable package load contents code	C an..3	N	Not used

Remark:

JIT Specification

The PAC segment has to be created for the same packaging material type.

The packaging code (customer material number of the packaging material) is not used in these processes.

The value DUMMY has to be sent instead of the real material number.

Non JIT Specification

The PAC segment has to be created for the same packaging material type.

The packaging code (customer material number of the packaging material) is used in this process. The LEONI specific packaging code will be used in this segment.

Example:

PAC+4++DUMMY:::92'

PAC+4++T537002:::92' - Non JIT

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
0430		SG11	C	9999	2	PAC-QTY-SG13
0460	15	QTY	C	10	3	Quantity

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
QTY				
C186	Quantity details	M	M	
6063	Quantity type code qualifier	M an..3	M an..3	52 Quantity per pack
6060	Quantity	M an..35	M an..35	Quantity
6411	Measurement unit code	C an..8	M an..8	C62 one

Remark:

JIT Specification

This is an optional segment, which won't be used currently.

Non JIT Specification

For NON JIT DESADV this segment is mandatory.

Example:

QTY+52:12:C62'

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
0500		SG13	C	1000	3	PCI-RFF-SG14
0510	16	PCI	M	1	3	Package identification

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
PCI				
4233	Marking instructions code	C an..3	M an..3	17 Seller's instructions
C210	Marks & labels	C	N	
7102	Shipping marks description	M an..35	N	Not used
7102	Shipping marks description	C an..35	N	Not used
7102	Shipping marks description	C an..35	N	Not used
7102	Shipping marks description	C an..35	N	Not used
7102	Shipping marks description	C an..35	N	Not used
7102	Shipping marks description	C an..35	N	Not used
7102	Shipping marks description	C an..35	N	Not used
7102	Shipping marks description	C an..35	N	Not used
7102	Shipping marks description	C an..35	N	Not used
7102	Shipping marks description	C an..35	N	Not used
8169	Full or empty indicator code	C an..3	N	Not used
C827	Type of marking	C	C	
7511	Marking type code	M an..3	M an..3	1 Not marked with an EAN.UCC system code
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used

Remark:

Example:

PCI+17++++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
0500		SG13	C	1000	3	PCI-RFF-SG14
0520	17	RFF	M	1	4	Package identification

Standard			Implementation			
Tag	Name	St	Format	St	Format	Usage / Remark
RFF						
C506	Reference	M		M		
1153	Reference code qualifier	M	an..3	M	an..3	AAT Master label number
1154	Reference identifier	C	an..70	M	an..10	Packaging identification number
1156	Document line identifier	C	an..6	N		Not used
1056	Version identifier	C	an..9	N		Not used
1060	Revision identifier	C	an..6	N		Not used

Remark:

Is reflecting the unique number of the outer packaging (also visible on the label).
Only used and necessary in the dispatch advice message. For the GR and GI message, this RFF segment is not required.

Non JIT Specification

The packaging identification number will contain the type of pallet before the serial number.

M = Homogeneous pallets

G = Mixed Pallet

Example:

RFF+AAT:7000232367'

RFF+AAT:M340000034' - Non JIT

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
0540		SG14	C	99	4	GIR
0550	18	GIR	M	1	4	Related identification numbers

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
GIR				
7297	Set type code qualifier	M an..3	M an..3	7 Value list
C206	Identification number	M	M	
7402	Object identifier	M an..35	M an..35	Vehicle number or Serial label number
7405	Object identification code qualifier	C an..3	M an..3	AP Product CS Attribute set ML Marking/label number VV Vehicle identity number
4405	Status description code	C an..3	D an..3	125 Reorder
C206	Identification number	C	N	
7402	Object identifier	M an..35	N	Not used
7405	Object identification code qualifier	C an..3	N	Not used
4405	Status description code	C an..3	N	Not used
C206	Identification number	C	N	
7402	Object identifier	M an..35	N	Not used
7405	Object identification code qualifier	C an..3	N	Not used
4405	Status description code	C an..3	N	Not used
C206	Identification number	C	N	
7402	Object identifier	M an..35	N	Not used
7405	Object identification code qualifier	C an..3	N	Not used
4405	Status description code	C an..3	N	Not used
C206	Identification number	C	N	
7402	Object identifier	M an..35	N	Not used
7405	Object identification code qualifier	C an..3	N	Not used
4405	Status description code	C an..3	N	Not used

Remark:

JIT Specification

The GIR segment is required in all types of messages and is including all vehicle numbers either per packaging unit (if RFF+AAT is used) or without relation to the packaging identification number.

Qualifier AP is used for the model code of the car which was defined by OEM (MY216, X260 etc.)

Qualifier CS is used for the type of harness (e.g. Engine, Cockpit, etc.)

Non JIT Specification

The GIR segment is required in all types of messages and is including all box serial numbers either per packaging unit (if RFF+AAT is used) or without relation to the packaging identification number, in the case no outer packaging is transmitted.

See packaging variants in chapter 1.3.2

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

Example:

GIR+7+FZNR1:VV:125'

GIR+7+S340000035:ML' - Non JIT

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
0650		SG17	C	9999	2	LIN-PIA-QTY
0660	19	LIN	M	1	2	Line item

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
LIN				
1082	Line item identifier	C an..6	R an..6	Consecutive number for the line item
1229	Action code	C an..3	N	Not used
C212	Item number identification	C	M	
7140	Item identifier	C an..35	R an..35	Part number
7143	Item type identification code	C an..3	R an..3	BP Buyer's part number
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
C829	Sub-line information	C	N	
5495	Sub-line indicator code	C an..3	N	Not used
1082	Line item identifier	C an..6	N	Not used
1222	Configuration level number	C n..2	N	Not used
7083	Configuration operation code	C an..3	N	Not used

Remark:

Will include the customer material number of the specified line item.
Required in all messages.

Example:

LIN+10++1J0 820 119:BP'

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
0650		SG17	C	9999	2	LIN-PIA-QTY
0670	20	PIA	C	10	3	Additional product id

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
PIA				
4347	Product identifier code qualifier	M an..3	M an..3	12 Alternate product identification
C212	Item number identification	M	M	
7140	Item identifier	C an..35	R an..35	Part number
7143	Item type identification code	C an..3	R an..3	SA Supplier's article number
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
C212	Item number identification	C	N	
7140	Item identifier	C an..35	N	Not used
7143	Item type identification code	C an..3	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
C212	Item number identification	C	N	
7140	Item identifier	C an..35	N	Not used
7143	Item type identification code	C an..3	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
C212	Item number identification	C	C	
7140	Item identifier	C an..35	R an..35	Engineering change ID
7143	Item type identification code	C an..3	R an..3	EC Engineering change level
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used

Remark:

Will include additional information of the specified line item.

It is a conditional segment in all messages. The order of multiple C212-Components is not fixed.

Example:

PIA+12+ 91G006099:SA++++X:EC'

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
0650		SG17	C	9999	2	LIN-PIA-QTY
0700	21	QTY	M	10	3	Delivery quantity

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
QTY				
C186	Quantity details	M	M	
6063	Quantity type code qualifier	M an..3	M an..3	12 Despatch quantity
6060	Quantity	M an..35	M an..35	
6411	Measurement unit code	C an..8	R an..8	C62 one

Remark:

Delivery quantity for the customer material number specified in the LIN segment.

Example:

QTY+12:792:C62'

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
---------	----	-----	----	--------	-------	------

1160 22 **UNT** M 1 0 Message trailer

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

Remark:

Example:

UNT+91+X'

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 23 **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	number of messages in one transmission file, should be always 1
0020	Interchange control reference	M an..14	M an..14	reference number of transmission, identical with UNB_DE_0020

Remark:

Example:

UNZ+1+1234567'

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

3 Example messages The sample messages are for illustrative purposes only. **Never implement the messages based on the examples!**

3.1 Advanced shipping notice JIT

UNB+UNOA:2+O0013000298LEONISCH+O001300000SP+130415:2326+449'	
UNH+1+DESADV:D:10A:UN'	
BGM+351+00302468:1+241	→ identification outbound delivery, shipment #
DTM+137:201304152218:203	→ date of creation
DTM+11:201304152218:203	→ goods issue date
MEA+AAX+AAC+KGM:1042	→ net weight
RFF+DQ:80229178	→ delivery note
RFF+SS:COC	→ identification of cockpit harnesses
NAD+SU+LEONI::92	→ Sender
NAD+ST+SPROVIDER::92	→ Ship-to
LOC+7+650Z::92	→ Unloading point
TOD+5+ZZZ+EXW::92	
TDT+12++3+31	
EQD+TE+KT-AD-555	
CPS+1++3	
PAC+1++DUMMY::92	→ outer packaging
PCI+17+++1	
RFF+AAT:700003424	→ packaging identification 1
GIR+7+FZNR1:VV	→ vehicle 1 included in packaging 700003424
GIR+7+FZNR2:VV	
LIN+10++A2613:BP	→ material number 1
QTY+12:792:C62	→ aggregated qty of material 1
LIN+20++BT00380:BP	
QTY+12:120:C62	
UNT+3+1'	
UNZ+1+449'	

3.2 Advanced shipping notice Non JIT

UNB+UNOA:2+O0013000298LEONISCH+O001300000SP+130415:2326+449'	
UNH+1+DESADV:D:10A:UN'	
BGM+351+5700032+1:242	→ identification outbound delivery, shipment #
DTM+137:201304152218:203	→ date of creation
DTM+11:201304152218:203	→ goods issue date
MEA+AAX+AAC+KGM:1042	→ net weight
RFF+DQ:50	→ delivery note
NAD+SU+LEONI::92	→ Sender
NAD+ST+SPROVIDER::92	→ Ship-to
LOC+7+650Z::92	→ Customer unloading point
TOD+5+ZZZ+EXW::92	
TDT+12++3+31	
EQD+TE+KT-AD-555	
CPS+1++1	
PAC+2++T537002::92	→ inner packaging
QTY+52:5:C62	
PCI+17++1	
RFF+AAT:M340000034	→ packaging identification Master label
GIR+7+S340000035:ML	→ packaging identification Box label 1
GIR+7+S340000036:ML	→ packaging identification Box label 2
LIN+++A2045407207:BP	→ material number customer 1
PIA+12+923TES601:SA	→ material number supplier 1
QTY+12:10:C62	→ aggregated qty of material 1
RFF+ON:5500022268'	→ purchase order number
UNT+3+1'	
UNZ+1+449'	

3.3 Goods receipt message JIT

UNB+UNOA:2+ 0001300000SP + 00013000298LEONISCH +130415:2326+449'	
UNH+1+DESADV:D:10A:UN'	
BGM+632+00302468:1+241	→ identification goods receipt, shipment #
DTM+137:201304152218:203	→ date of creation
DTM+50:201304161432:203	→ goods receipt date
RFF+ATS:80229178	→ delivery note (from previous dispatch)
RFF+SS:COC	→ identification of cockpit harnesses
NAD+SU+LEONI::92	→ Sender
NAD+ST+SPROVIDER::92	→ Ship-to
CPS+1++3	
PAC+1++DUMMY::92	→ outer packaging
PCI+17+++1	
GIR+7+FZNR1:VV	→ vehicle 1
GIR+7+FZNR2:VV	
LIN+10++A2613:BP	→ material number 1
QTY+12:792:C62	→ aggregated qty of material 1
LIN+20++BT00380:BP	
QTY+12:120:C62	
UNT+3+1'	
UNZ+1+449'	

3.4 Goods receipt message Non JIT

UNB+UNOA:2+ 0001300000SP + 00013000298LEONISCH +130415:2326+449'	
UNH+1+DESADV:D:10A:UN'	
BGM+632+5700032:1+242	→ identification goods receipt, shipment #
DTM+137:201304152218:203	→ date of creation
DTM+50:201304161432:203	→ goods receipt date
RFF+ATS:50	→ delivery note (from previous dispatch)
NAD+SU+LEONI::92	→ Sender
NAD+ST+SPROVIDER::92	→ Ship-to
CPS+1++1	
PAC+2++T537002::92	→ inner packaging
QTY+52:5:C62	
LIN+++ A2045407207:BP	→ material number customer 1
PIA+12+923TES601:SA	→ material number supplier 1
QTY+12:10:C62	→ aggregated qty of material 1
RFF+ON:5500022268'	→ purchase order number
UNT+3+1'	
UNZ+1+449'	

3.5 Goods issue message JIT

UNB+UNOA:2+ 0001300000SP + 00013000298LEONISCH +130415:2326+449'	
UNH+1+DESADV:D:10A:UN'	
BGM+350+00376546:1+241	→ identification goods issue to customer, unique#
DTM+137:201304152218:203	→ date of creation
RFF+ATS:80229178	→ ext. delivery note or unique #
RFF+SS:COC	→ identification of cockpit harnesses
NAD+SU+ SPROVIDER::92	→ Sender
NAD+ST+CUSTOMER::92	→ Ship-to
LOC+7+650Z::92	→ Customer unloading point
CPS+1++3	
PAC+1++DUMMY::92	→ outer packaging (customer material)
PCI+17+++1	
GIR+7+FZNR1:VV	→ vehicle 1
GIR+7+FZNR2:VV	
LIN+10++A2613:BP	→ material number 1
QTY+12:792:C62	→ aggregated qty of material 1
LIN+20++BT00380:BP	
QTY+12:120:C62	
UNT+3+1'	
UNZ+1+449'	

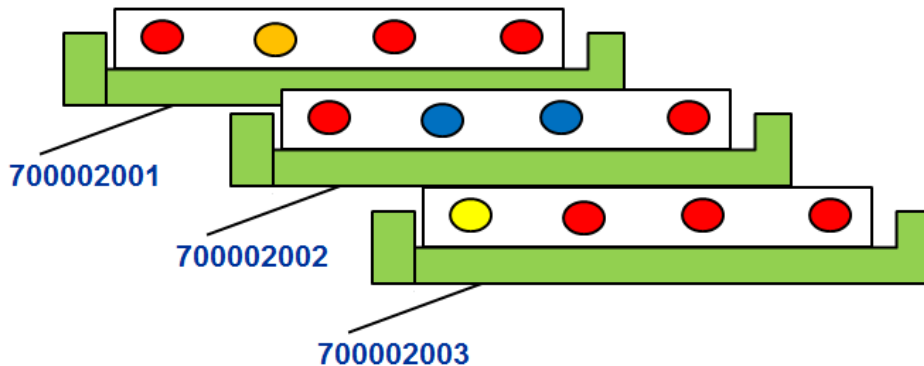
3.6 Goods issue message Non JIT

UNB+UNOA:2+ 0001300000SP + 00013000298LEONISCH +130415:2326+449'	
UNH+1+DESADV:D:10A:UN'	
BGM+350+00376546:1+242	→ identification goods issue to customer, unique#
DTM+137:201304152218:203	→ date of creation
RFF+ATS:80229178	→ ext. delivery note or unique #
NAD+SU+ SPROVIDER::92	→ Sender
NAD+ST+CUSTOMER::92	→ Ship-to
LOC+7+650Z::92	→ Customer unloading point
CPS+1++1	
PAC+1++DUMMY::92	→ inner packaging (customer material)
LIN+10++A2613:BP	→ material number 1
PIA+12+923TES601:SA	→ material number supplier 1
QTY+12:792:C62	→ aggregated qty of material 1
PAC+1++DUMMY::92	
LIN+10++BT00380:BP	
PIA+12+923TES501:SA	
QTY+12:120:C62	
RFF+ON:5500022268'	→ purchase order number
UNT+3+1'	
UNZ+1+449'	

The Packaging structure is irrelevant in the GI Message for Non JIT Material. The RFF+ATS number must be unique within 1 year and must not be repeated in the message itself.

3.7 Packaging structure (outbound) JIT

3.7.1 Variant 1: Same packaging type (4 harnesses on one pallet)



CPS+1+++
PAC+3++DUMMY::92

→ outer packaging

PCI+17+++1
RFF+AAT:700002001
GIR+7+FZNR1:VV
GIR+7+FZNR2:VV
GIR+7+FZNR3:VV
GIR+7+FZNR4:VV

→ packaging identification 1
→ vehicle 1 included in packaging 700002001
→ vehicle 2 included in packaging 700002001

PCI+17+++1
RFF+AAT:700002002
GIR+7+FZNR5:VV
GIR+7+FZNR6:VV
GIR+7+FZNR7:VV
GIR+7+FZNR8:VV

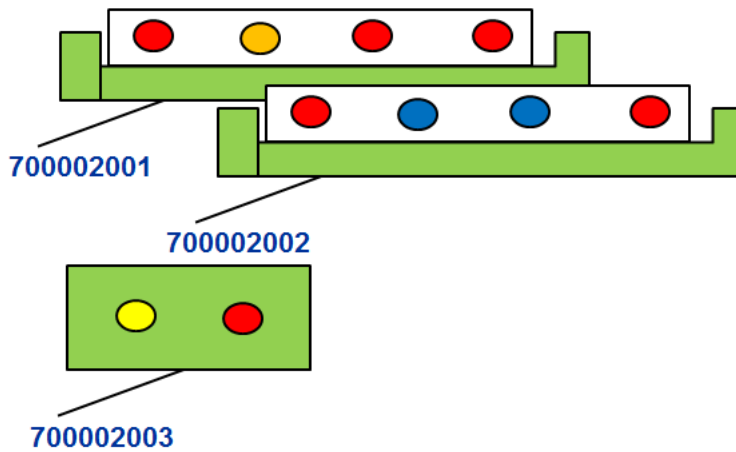
→ packaging identification 2
→ vehicle 5 included in packaging 700002002

PCI+17+++1
RFF+AAT:700002003
GIR+7+FZNR7:VV
GIR+7+FZNR8:VV
GIR+7+FZNR9:VV
GIR+7+FZNR10:VV

→ material number 1
→ aggregated qty of material 1

LIN+10++A2613:BP
QTY+12:12:C62
LIN+20++BT00380:BP
QTY+12:10:C62

3.7.2 Variant 2: Different packaging type (4 harnesses on pallet and 2 harnesses within rack)



CPS+1++3
PAC+3++DUMMY::92

→ outer packaging

PCI+17+++1
RFF+AAT:700002001
GIR+7+FZNR1:VV
GIR+7+FZNR2:VV
GIR+7+FZNR3:VV
GIR+7+FZNR4:VV

→ packaging identification 1
→ vehicle 1 included in packaging 700002001
→ vehicle 2 included in packaging 700002001

PCI+17+++1
RFF+AAT:700002002
GIR+7+FZNR5:VV
GIR+7+FZNR6:VV
GIR+7+FZNR7:VV
GIR+7+FZNR8:VV

→ packaging identification 2
→ vehicle 5 included in packaging 700002002

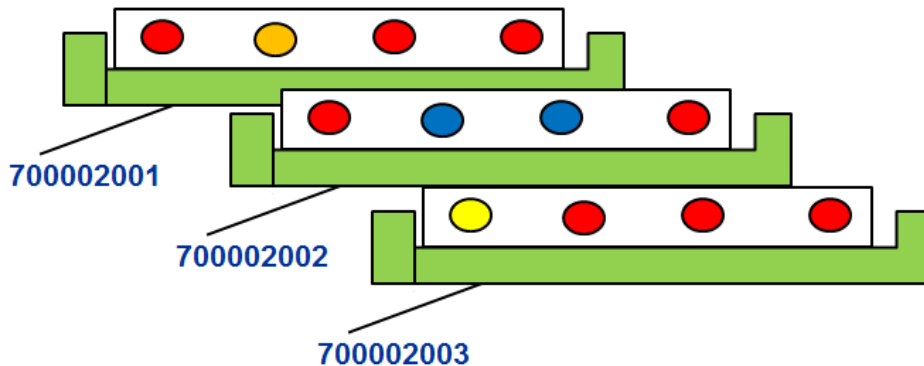
PCI+17+++1
RFF+AAT:700002003
GIR+7+FZNR7:VV
GIR+7+FZNR8:VV

LIN+10++A2613:BP
QTY+12:12:C62
LIN+20++BT00380:BP
QTY+12:10:C62

→ material number 1
→ aggregated qty of material 1

3.8 Packaging structure (inbound) JIT

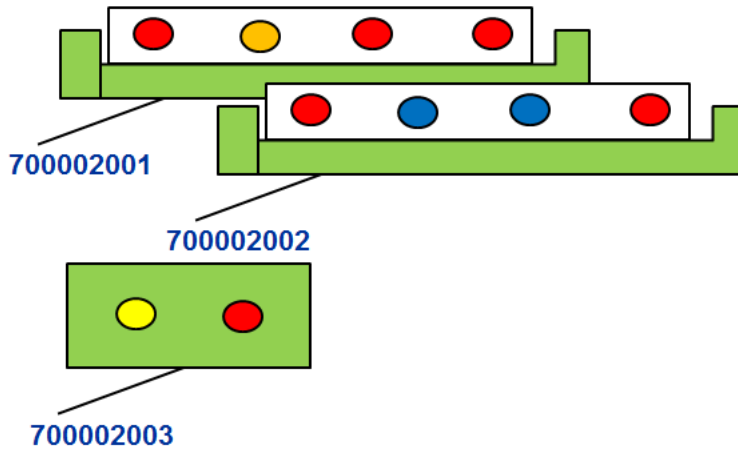
3.8.1 Variant 1: Same packaging type (4 harnesses on one pallet)



CPS+1++3	
PAC+3++DUMMY::92	→ outer packaging
PCI+17+++1	
GIR+7+FZNR1:VV	→ vehicle 1
GIR+7+FZNR2:VV	→ vehicle 2
GIR+7+FZNR3:VV	
GIR+7+FZNR4:VV	
GIR+7+FZNR5:VV	→ vehicle 5
GIR+7+FZNR6:VV	
GIR+7+FZNR7:VV	
GIR+7+FZNR8:VV	
GIR+7+FZNR7:VV	
GIR+7+FZNR8:VV	
GIR+7+FZNR9:VV	
GIR+7+FZNR10:VV	
GIR+7+FZNR11:VV	
GIR+7+FZNR12:VV	
LIN+10++A2613:BP	→ material number 1
QTY+12:12:C62	→ aggregated qty of material 1
LIN+20++BT00380:BP	
QTY+12:10:C62	

In the inbound message, the packaging structure is not important and isn't required within the EDI message. The value DUMMY must be sent for PAC 7065. Please pay attention to the max. repetition of SG14 within the SG13 of 99. If higher, new SG13 (PCI) has to be created.
All vehicle numbers should appear below the PAC segment with type DUMMY.

3.8.2 Variant 2: Different packaging type (4 harnesses on pallet and 2 harnesses on rack)

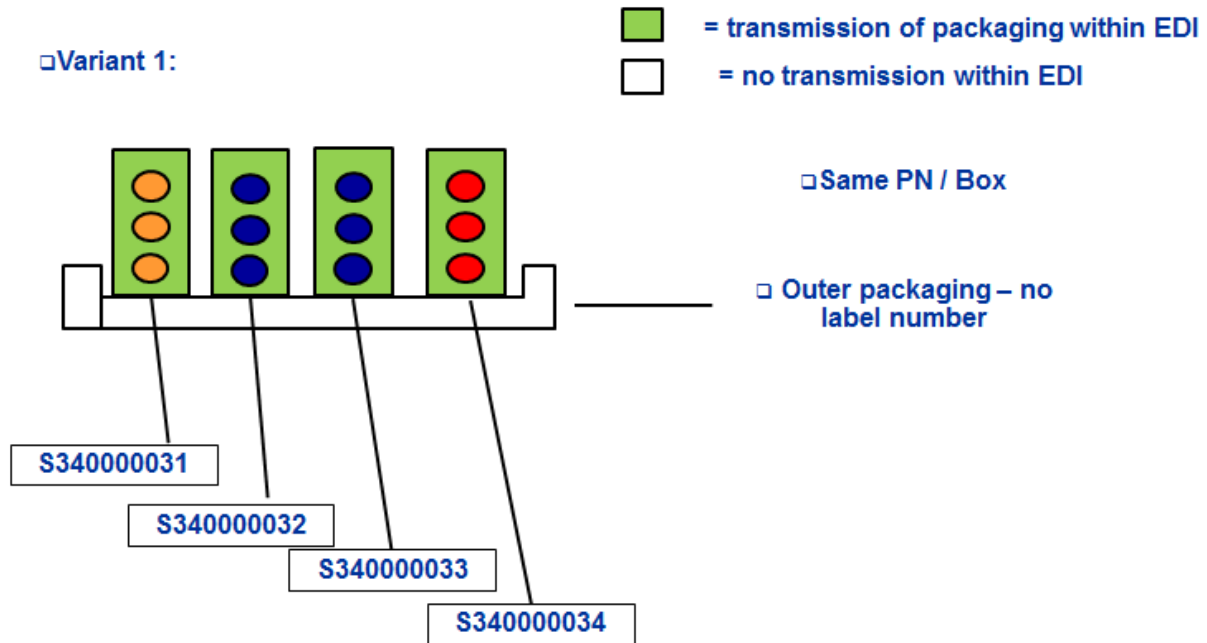


- | | |
|---------------------------|--|
| CPS+1++3 | |
| PAC+3++DUMMY::92 | → first outer packaging (customer material number) |
| PCI+17+++1 | |
| GIR+7+FZNR1:VV | → vehicle 1 |
| GIR+7+FZNR2:VV | → vehicle 2 |
| GIR+7+FZNR3:VV | |
| GIR+7+FZNR4:VV | |
| GIR+7+FZNR5:VV | → vehicle 5 |
| GIR+7+FZNR6:VV | |
| GIR+7+FZNR7:VV | |
| GIR+7+FZNR8:VV | |
| GIR+7+FZNR9:VV | |
| GIR+7+FZNR10:VV | |
| LIN+10++A2613:BP | → material number 1 |
| QTY+12:12:C62 | → aggregated qty of material 1 |
| LIN+20++BT00380:BP | |
| QTY+12:10:C62 | |

All vehicle numbers should appear below the PAC segment with type DUMMY.

3.9 Packaging structure (Outbound) – Non JIT

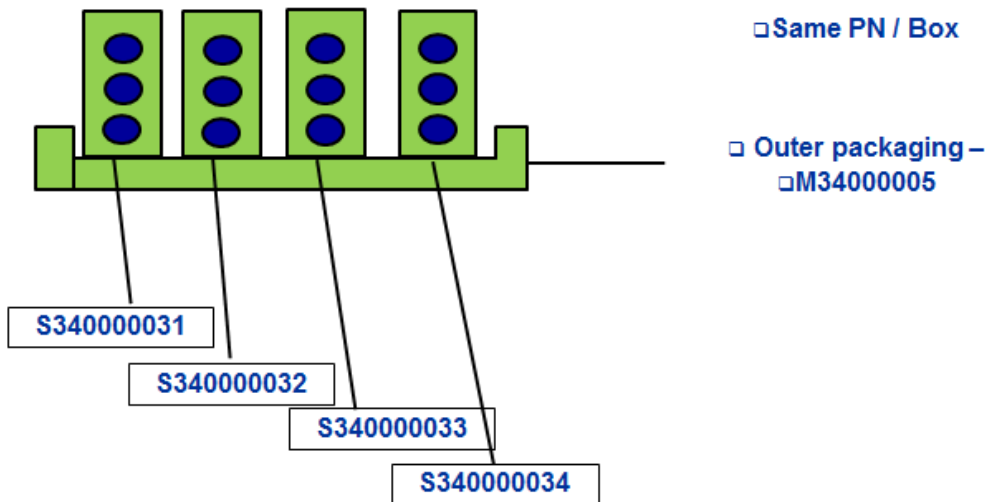
3.9.1 Variant 1: Only inner boxes transmitted per EDI



CPS+1++1	
PAC+1++T537002++::92	→ inner packaging
QTY+52:3:C62	
PCI+17++1	
GIR+7+S340000031:ML	→ packaging identification Box label 1
LIN+++ A2045407207:BP	→ material number 1
PIA+12+923TES601:SA	→ material number supplier 1
QTY+12:3:C62	→ aggregated qty of material 1
CPS+2++1	
PAC+2++T537002::92	→ inner packaging
QTY+52:3:C62	
PCI+17++1	
GIR+7+S340000032:ML	→ packaging identification Box label 2
GIR+7+S340000033:ML	→ packaging identification Box label 2
LIN+++ A2045407307:BP	→ material number 2
PIA+12+923TES501:SA	→ material number supplier 2
QTY+12:6:C62	→ aggregated qty of material 2
CPS+3++1	
PAC+1++T537002::92	→ inner packaging
QTY+52:3:C62	
PCI+17++1	
GIR+ML+S340000034	→ packaging identification Box label 3
LIN+++ A2045407407:BP	→ material number 3
PIA+12+923TES401:SA	→ material number supplier 3
QTY+12:6:C62	→ aggregated qty of material 3

3.9.2 Variant 2: Homogenous Pallet

Variant 2:



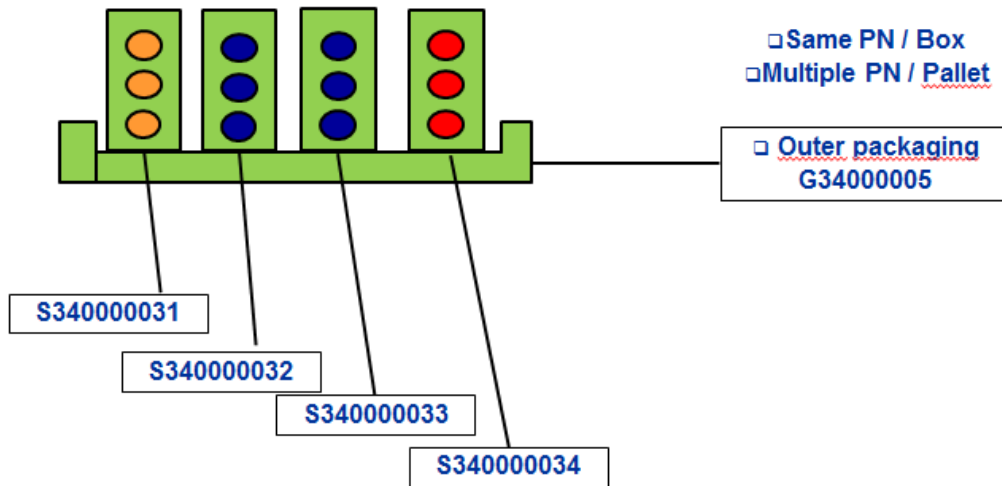
CPS+1++1'
 PAC+4++ T537002::92'
 QTY+52:3:C62'
 PCI+17++1'
 RFF+AAT:M330000005'
 GIR+7+S340000031:ML'
 GIR+7+S340000032:ML'
 GIR+7+S340000033:ML'
 GIR+7+S340000034:ML'
 LIN+++A2045407207:BP'
 PIA+12+923TES401:SA
 QTY+12:12:C62'

2 Pallets for the same part number in the same transmission would look like this:

CPS+1++1'
 PAC+1++ T537002::92'
 QTY+52:3:PCE'
 PCI+17'
 RFF+AAT:M330000041'
 GIR+7+S330000043:ML'
 PAC+4++ T537002::91'
 QTY+52:3:PCE'
 PCI+17'
 RFF+AAT:M330000051'
 GIR+3+S330000053:ML'
 GIR+3+S330000054:ML'
 GIR+3+S330000055:ML'
 GIR+3+S330000056:ML'
 LIN+++ A2045407207:BP
 PIA+12+923TES401:SA '
 QTY+12:16:C62'

3.9.3 Variant 3: Mixed Pallet

□ Variant 3:



CPS+1++1'
 PAC+1++ T537002::92'
 QTY+52:3:C62'
 PCI+17++1'
 RFF+AAT:G340000005'
 GIR+7+S340000031:ML'
 LIN+++A2045407207:BP'
 PIA+12+923TES401:SA'
 QTY+12:3:C62'
 CPS+2++1'
 PAC+2++ T537002::92'
 QTY+52:3:C62'
 PCI+17++1'
 RFF+AAT:G340000005'
 GIR+7+S340000032:ML'
 GIR+7+S340000033:ML'
 LIN+++A2045407307:BP'
 PIA+12+923TES501:SA'
 QTY+12:6:C62'
 CPS+3++1'
 PAC+1++ T537002::92'
 QTY+52:3:C62'
 PCI+17++1'
 RFF+AAT:G340000005'
 GIR+7+S340000034:ML'
 LIN+++A2045407407:BP'
 PIA+12+923TES603:SA'
 QTY+12:3:C62'