

Packaging Examples

VDA 4987 P3

Version 2.1, December 2018



Process description

This Annex describes the mapping of selected packaging structures in despatch advices transmitted via EDIFACT message DESADV (except JIS/JIT – these are covered in Part 4). This Annex contributes to a better understanding of the recommendations and their application in practice but does not claim to be complete with respect to all possible structures occurring in practice.

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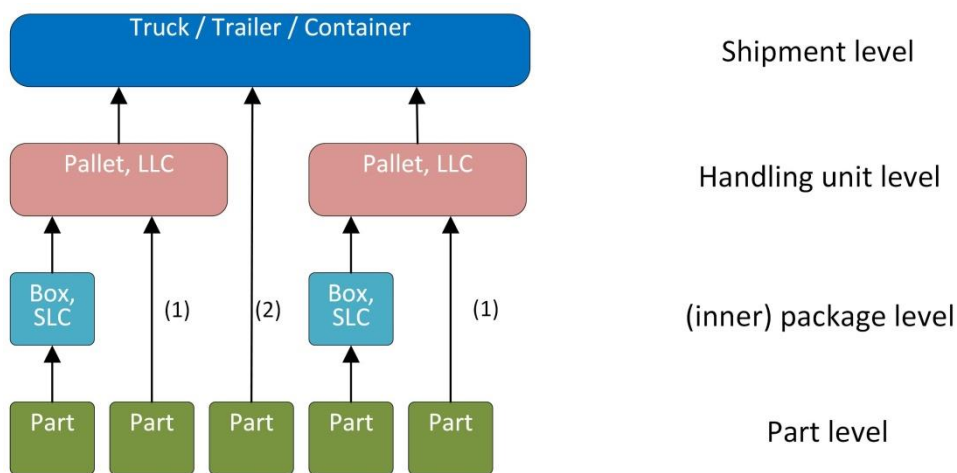
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Introduction

A wide range of packaging is used in the supply chain of the automotive industry. Reusable packaging materials play a major role. Despatch advices are not only used to inform the customer about the amount of delivered parts, but also to automate the inventory management of packaging materials. It is therefore necessary to correctly communicate the packaging structures of a shipment in the message.

The following packaging examples help to provide an accurate and as uniform as possible depiction of typical packaging material structures used in the industry. This facilitates implementation for both suppliers and customers and can also be used as a guideline for IT service providers.

For a better understanding, the overall structure of packaging is shown below.



- 1) Simplified handling unit: handling unit is innermost package as well
- 2) Transport without any package (transport means is listed as virtual package as well)

LLC - large load container

SLC - small load container

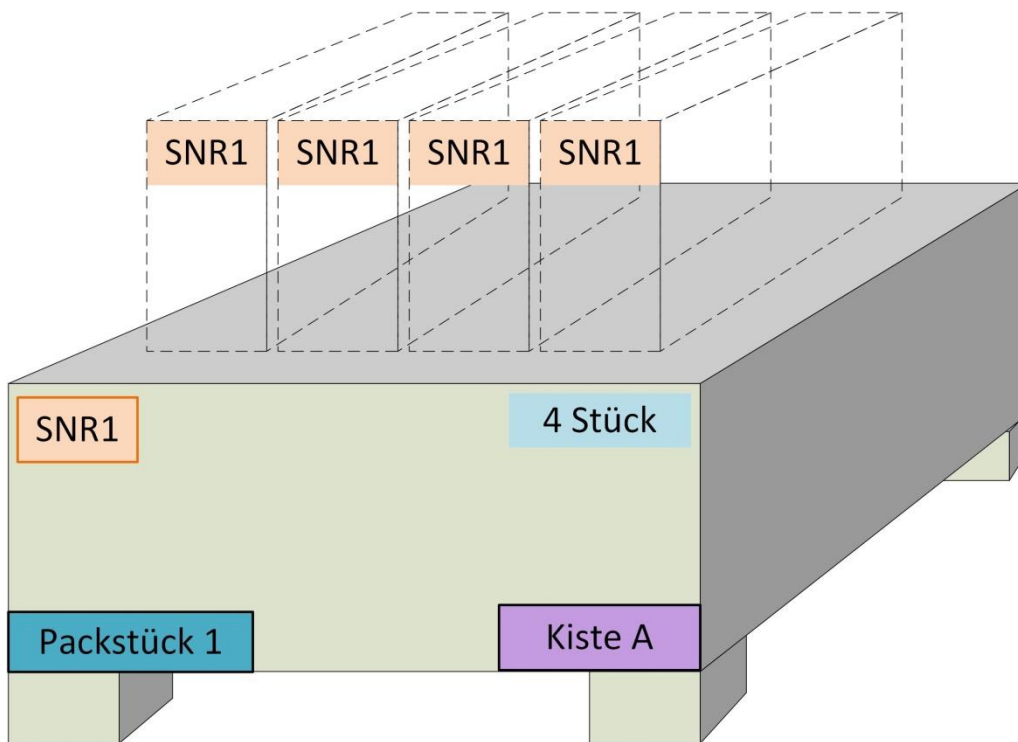
Other abbreviations:

TLU – Transport Loading Unit – the package or bundle being loaded as one unit onto a transport means (in the drawing above referred to as handling unit level)

1 General description of the packaging structures

1.1. Shipment: simplified handling unit

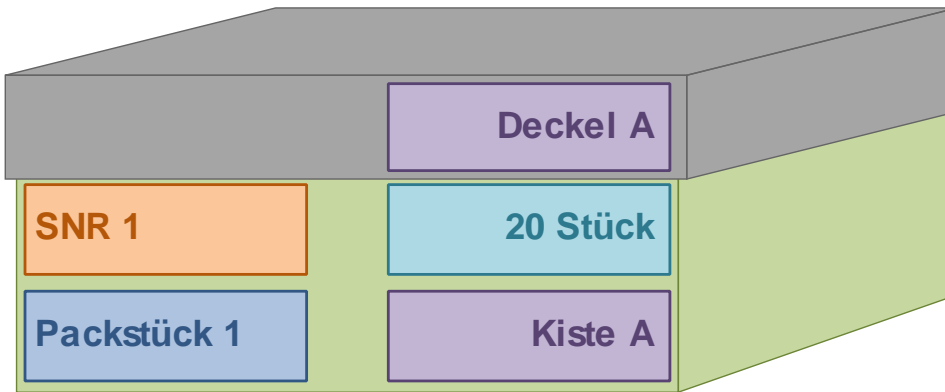
Simplified handling units are mapped as per segment group 10, specification "Grouping level product identification and inner packaging".



TERM	EXPLANATION
DARK BLUE - PACKSTÜCK N	ID of a package
LIGHT BLUE - STÜCK	n Pieces
ORANGE - SNR N	Part number
PURPLE - KISTE A	Type of package (box A)
PURPLE - DECKEL A	Type of package (lid A)
PURPLE - EINLAGE A	Type of package (insert A)
PURPLE - HILFSRAMEN A	Type of package (frame A)
PURPLE - PALETTE A	Type of package (pallet A)

SG 10	Grouping level product identification and inner packaging
CPS+1++4 '	Simplified handling unit
SG 11 (1)	Packaging group inner packaging
PAC+1+:35:AAC+KISTE A::92 '	1 box A reusable packaging of customer
QTY+52:4:PCE '	Contained quantity 20 pieces
SG 13	List of individual packaging units
PCI+17+GGF. VERSANDMARKIERUNG++1J::5 '	Optional shipping mark and type of labels (single label)
GIN+ML+PACKSTÜCK 1 '	Identification: packaging unit 1
SG 17	Product identification and delivery quantities
LIN+++SNR 1:IN '	Article number: SNR 1
QTY+12:4:PCE '	Delivery quantity: 4 pieces
SG 18 (1)	Delivery note reference
RF+AAU:1234567 '	Delivery note 1234567
DTM+171:20130709:102 '	Date of delivery note 09.07.2013
SG 18 (3)	Order reference / frame contract number
RF+ON:RAHMENVERTRAG0815 '	Frame contract 0815

1.2.Simplified handling unit with same parts with auxiliary packaging

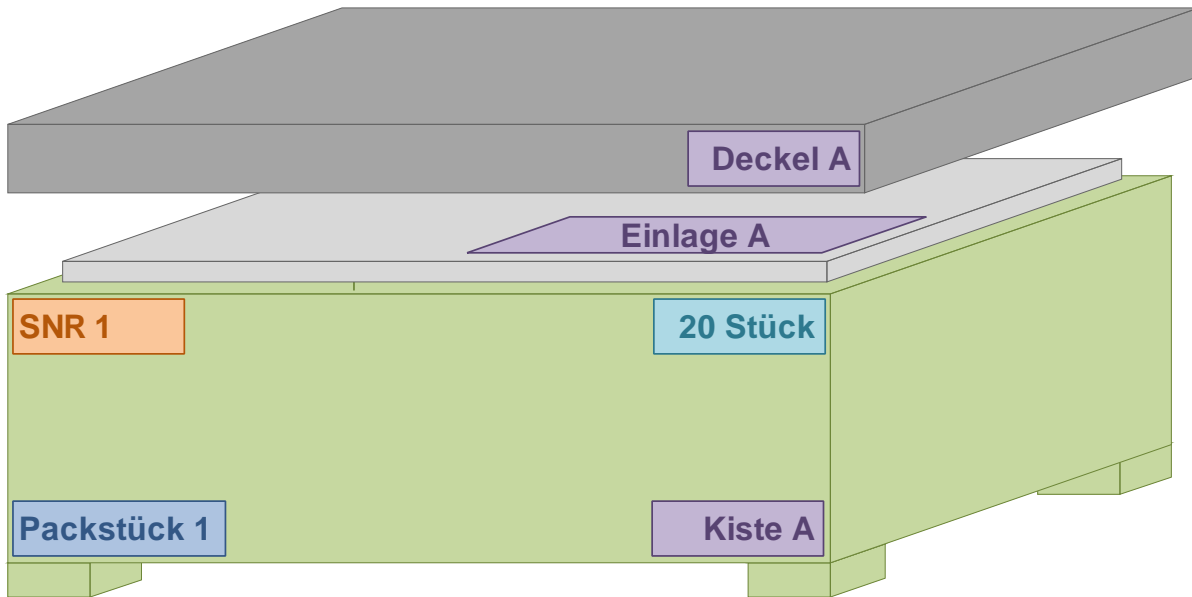


Simplified handling units are mapped as per segment group 10, specification "Grouping level product identification and inner packaging".

SG 10	Grouping level product identification and inner packaging
CPS+1++4'	Simplified handling unit
SG 11 (1)	Packaging group inner packaging
PAC+1+:35:AAC+KISTE A::92'	1 box A reusable packaging of customer
QTY+52:20:PCE'	Contained quantity 20 pieces
SG 13	List of individual packaging units
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 1'	Identification: packaging unit 1
SG 11 (2)	Auxiliary packaging
PAC+1+:37:AAC+DECKEL A::92'	1 lid A reusable packaging of customer
SG 17	Product identification and delivery quantities
LIN+++SNR 1:IN'	SNR 1
QTY+12:20:PCE'	Delivery quantity: 20 pieces
SG 18 (1)	Delivery note reference
RFF+AAU:1234567'	Delivery note 1234567
DTM+171:20130709:102'	Date of delivery note 09.07.2013
SG 18 (3)	Order reference / frame contract number
RFF+ON:RAHMENVERTRAG0815'	Frame contract 0815

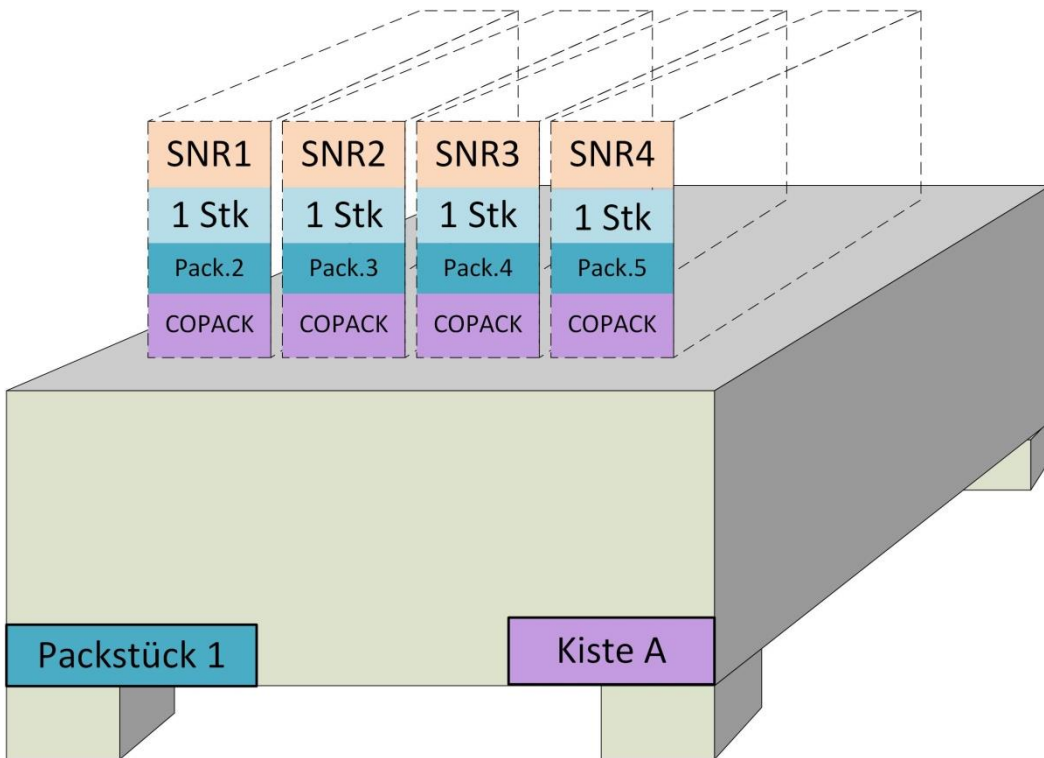
1.3.Shipment: simplified handling unit with lid and insert

Simplified handling units are mapped as per segment group 10 "Grouping level product identification and inner packaging". Inserts are transmitted as auxiliary packaging.



CPS+1++4 '	Simplified handling unit
PAC+1+:35:AAC+KISTE A::92 '	1 box A reusable packaging of customer
QTY+52:20:PCE '	Contained quantity 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5 '	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 1 '	Identification: packaging unit 1
PAC+1+:37:AAC+DECKEL A::92 '	1 lid A reusable packaging of customer
PAC+1+:37:AAC+EINLAGE A::92 '	1 insert A reusable packaging of customer
LIN+++SNR 1:IN '	SNR 1
QTY+12:20:PCE '	Delivery quantity: 20 pieces
RFF+AAU:1234567 '	Delivery note 1234567
DTM+171:20130709:102 '	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815 '	Frame contract 0815

1.4.Simplified handling unit with different parts



If different article numbers are transported in a container without separate packaging for each article number and without JIS compartments, a virtual packaging (COPACK) must be generated for each article number.

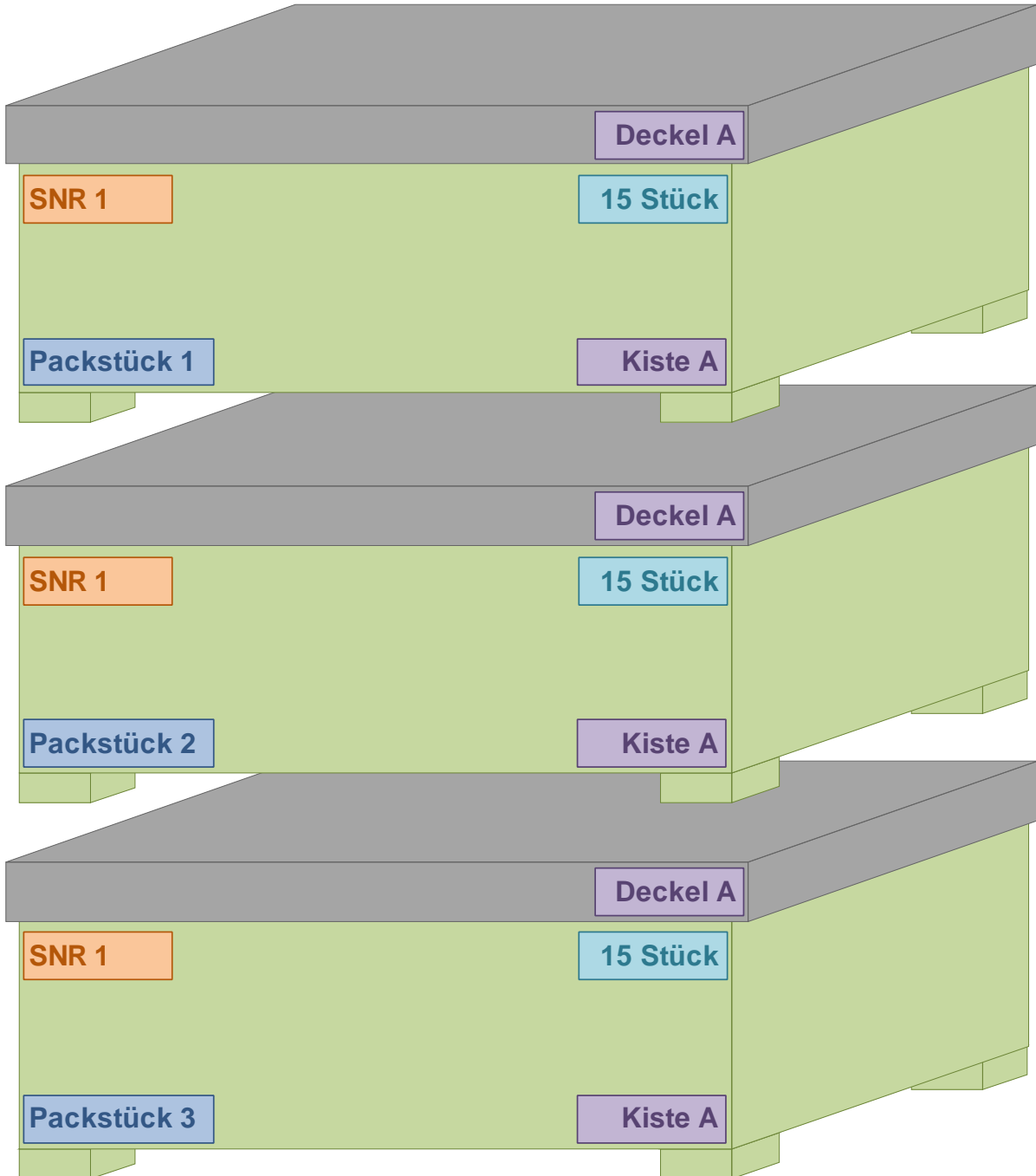
SG 10	Grouping level handling unit
CPS+1++3 '	Consecutive number 1: handling unit
PAC+1+ : 35 : AAC+KISTE A : : 92 '	1 box A reusable packaging of customer
QTY+189 : 4 : PCE '	Number of packaging units contained: 4
PCI+17+++5J : : 5 '	Optional shipping mark and type of label (mixed load label)
GIN+ML+PACKSTÜCK 1 '	Identification: packaging unit 1
GIN+AW+PACK 2+PACK 3+PACK 4+PACK 5 '	Identification of packaging units contained
SG 10	Grouping level product identification and inner packaging
CPS+2++1 '	Sequential number 2: inner packaging
PAC+1+ : 35 : AAC+COPACK : : 92 '	Type of packaging: COPACK (virtual packaging)
QTY+52 : 1 : PCE '	Filling quantity: 1 piece
PCI+17+++1J : : 5 '	Label type: single label
GIN+ML+PACK 2 '	Packaging unit ID
LIN+++SNR 1 : IN '	Article number SNR 1

QTY+12:1:PCE'	Delivery quantity: 1 piece
RFF+AAU:LF1:10'	Delivery note no. and item
DTM+171:20131201'	Delivery note date
RFF+ON:RAHMENVERTRAG0815'	Order number / frame contract number
DTM+171:20130101'	Date of frame contract
SG 10	Grouping level product identification and inner packaging
CPS+3++1'	Sequential number 3: inner packaging
PAC+1+:35:AAC+COPACK::92'	Type of packaging: COPACK (virtual packaging)
QTY+52:1:PCE'	Filling quantity: 1 piece
PCI+17+++1J::5'	Label type: single label
GIN+ML+PACK 3'	Packaging unit ID
LIN+++SNR2:IN'	Article number SNR2
QTY+12:1:PCE'	Delivery quantity: 1 piece
RFF+AAU:LF1:20'	Delivery note no. and item
DTM+171:20131201'	Delivery note date
RFF+ON:RAHMENVERTRAG0813'	Order number / frame contract number
DTM+171:20130101'	Date of frame contract
SG 10	Grouping level product identification and inner packaging
CPS+4++1'	Consecutive number 4: inner packaging
PAC+1+:35:AAC+COPACK::92'	Type of packaging: COPACK (virtual packaging)
QTY+52:1:PCE'	Filling quantity: 1 piece
PCI+17+++1J::5'	Label type: single label
GIN+ML+PACK 4'	Packaging unit ID
LIN+++SNR3:IN'	Article number SNR3
QTY+12:1:PCE'	Delivery quantity: 1 piece
RFF+AAU:LF1:30'	Delivery note no. and item
DTM+171:20131201'	Delivery note date
RFF+ON:RAHMENVERTRAG0811'	Order number / frame contract number
DTM+171:20130101'	Date of frame contract

SG 10	Grouping level product identification and inner packaging
CPS+5++1'	Consecutive number 5: inner packaging
PAC+1+:35:AAC+COPACK::92'	Type of packaging: COPACK (virtual packaging)
QTY+52:1:PCE'	Filling quantity: 1 piece
PCI+17+++1J::5'	Label type: single label
GIN+ML+PACK 4'	Packaging unit ID
LIN+++SNR4:IN'	Article number SNR4
QTY+12:1:PCE'	Delivery quantity: 1 piece
RFF+AAU:LF1:40'	Delivery note no. and item
DTM+171:20131201'	Delivery note date
RFF+ON:RAHMENVERTRAG0810'	Order number / frame contract number
DTM+171:20130101'	Date of frame contract

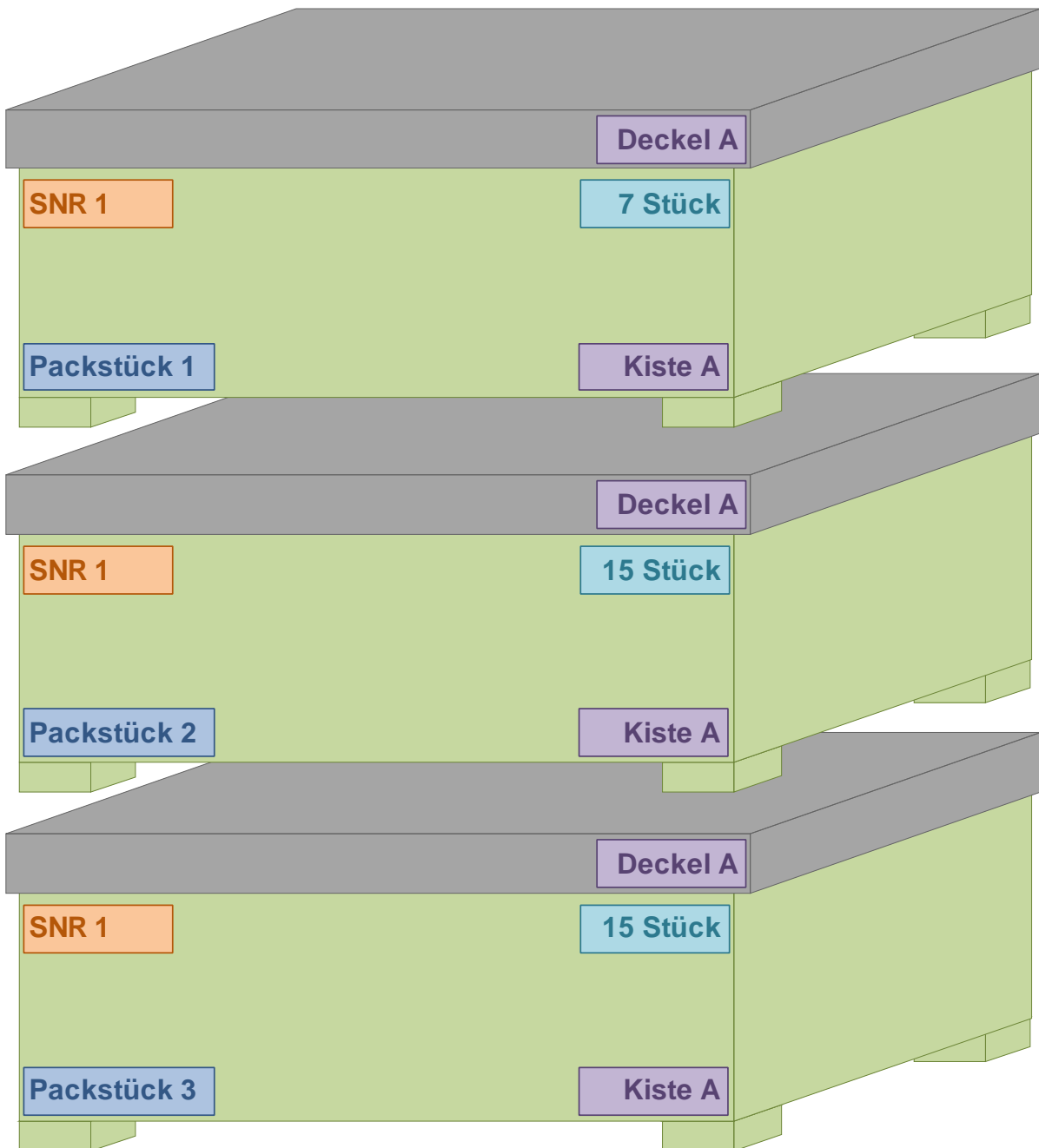
1.5. Shipment: 3 simplified handling units, homogeneous LLC, same packaging, same quantity per package

Simplified handling units are mapped as per segment group 10 "Grouping level product identification and inner packaging".



CPS+1++4'	Simplified handling unit
PAC+3+:35:AAC+KISTE A::92'	3x box A reusable packaging of customer
QTY+52:15:PCE'	Contained quantity 15 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 1'	Identification: packaging unit 1
GIN+ML+PACKSTÜCK 2'	Identification: packaging unit 2
GIN+ML+PACKSTÜCK 3'	Identification: packaging unit 3
PAC+3+:37:AAC+DECKEL A::92'	3x lid A reusable packaging of customer
LIN+++SNR 1:IN'	SNR 1
QTY+12:45:PCE'	Delivery quantity: 45 pieces (3 boxes of 15 pieces)
RFF+AAU:1234567'	Delivery note 1234567
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract 0815

1.6. Shipment: 3 simplified handling units GLT
Homogeneous, same packaging, different quantity per package



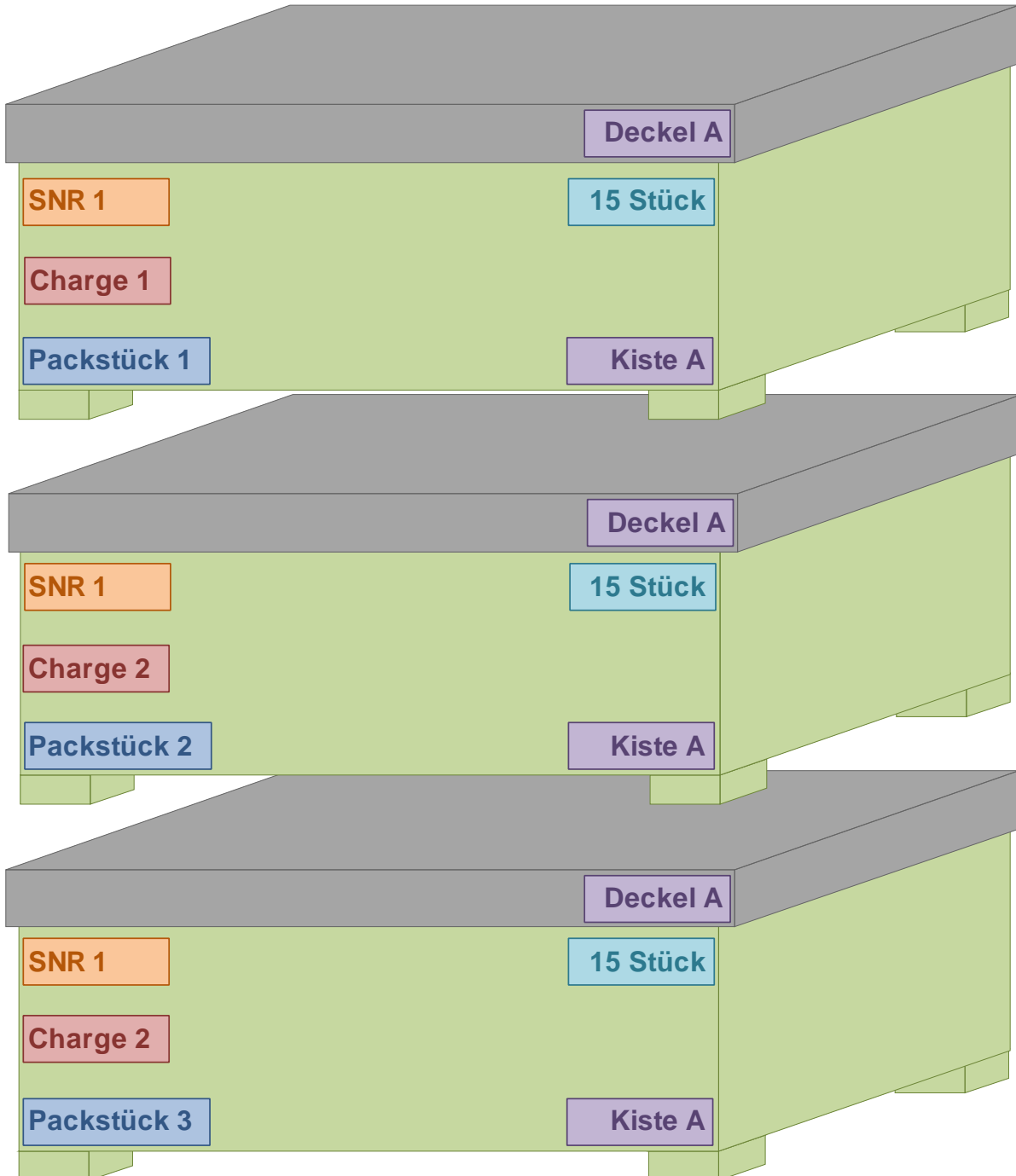
CPS+1++4'	Simplified handling unit
PAC+1+:35:AAC+KISTE A::92'	1 box A reusable packaging of customer
QTY+52:7:PCE'	Contained quantity 7 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 1'	Identification: packaging unit 1
PAC+2+:35:AAC+KISTE A::92'	2x box A reusable packaging of customer
QTY+52:15:PCE'	Contained quantity 15 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
PAC+1+:37:AAC+DECKEL A::92'	1 x lid A reusable packaging of customer
LIN+++SNR 1:IN'	SNR 1
QTY+11:7:PCE'	Partial quantity in this LIN group 7 pieces
QTY+12:37:PCE'	Delivery quantity: 37 pieces (2x 15 +7) The delivery note number (1234567) covers 3 LLC with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note.
RFF+AAU:1234567'	Delivery note 1234567
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract 0815
CPS+2++4	Simplified handling unit
PAC+2+:35:AAC+KISTE A::92'	2 boxes A reusable packaging of customer
QTY+52:15:PCE'	Quantity per pack 15 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2'	Identifikation: PACKSTÜCK 2
GIN+ML+PACKSTÜCK 3'	Identifikation: PACKSTÜCK 3
PAC+2+:37:AAC+DECKEL A::92'	2 x lid A reusable packaging of customer
LIN+++SNR 1:IN'	SNR 1
QTY+11:30:PCE'	Partial quantity in this LIN group 30 pieces (2 x 15)
QTY+12:37:PCE'	Delivery quantity: 37 pieces (2x 15 +7) The delivery note number (1234567) covers 3 LLC with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note.
RFF+AAU:1234567'	Lieferschein 1234567

DTM+171:20130709:102'	Datum des Lieferscheins 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Rahmenvertrag 0815

1.7. Shipment: 3 simplified handling units LLC

Homogeneous, same packaging, same quantity p. package, different batches

Simplified handling units are mapped as per segment group 10 "Grouping level product identification and inner packaging". Each batch requires a group change at CPS level (segment group 10). Auxiliary packaging can be grouped and assigned to one of the main packaging items.

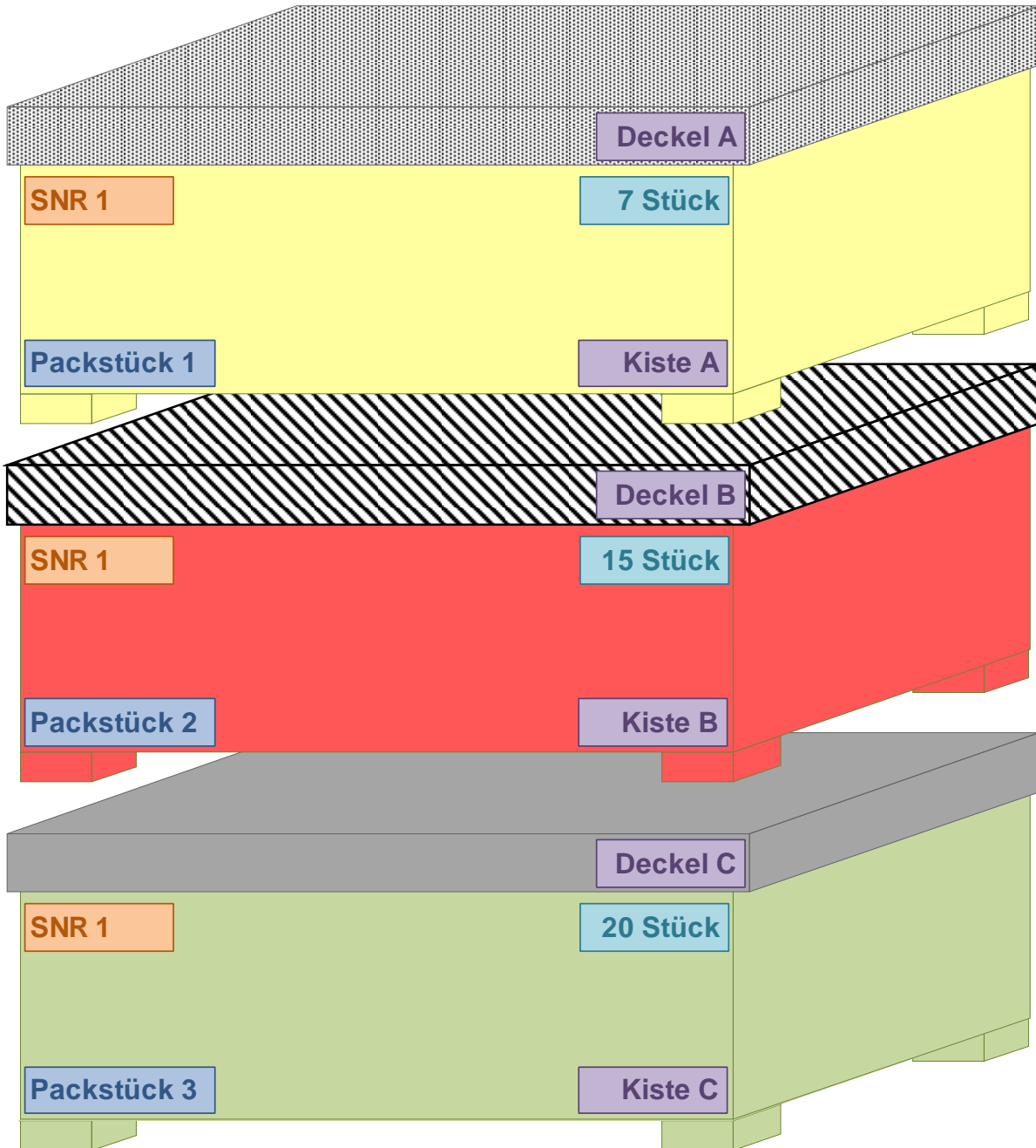


CPS+1+++4'	Simplified handling unit
PAC+1+:35:AAC+KISTE A::92'	1 box A reusable packaging of customer
QTY+52:15:PCE'	Contained quantity 15 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIR+1+CHARGE 1:BX'	Batch 1
GIN+ML+PACKSTÜCK 1'	Identification: packaging unit 1
PAC+1+:37:AAC+DECKEL A::92'	1x lid A reusable packaging of customer
LIN+++SNR 1:IN'	SNR 1
QTY+12:15:PCE'	Delivery quantity: 15 pieces
RFF+AAU:1234567:1'	Delivery note 1234567, item 1
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract 0815
CPS+2+++4'	Simplified handling unit
PAC+2+:35:AAC+KISTE A::92'	2x box A reusable packaging of customer
QTY+52:15:PCE'	Contained quantity 15 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIR+1+CHARGE 2:BX'	Batch 2
GIN+ML+PACKSTÜCK 2'	Identification: packaging unit 2
GIN+ML+PACKSTÜCK 3'	Identification: packaging unit 3
PAC+2+:37:AAC+DECKEL A::92'	2x lid A reusable packaging of customer
LIN+++SNR 1:IN'	SNR 1
QTY+12:30:PCE'	Delivery quantity: 30 pieces
RFF+AAU:1234568:2'	Delivery note 1234568, item 2
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract 0815

1.8. Shipment: 3 simplified handling units LLC

Homogeneous, different packaging, different quantity per package

Simplified handling units are mapped as per segment group 10 "Grouping level product identification and inner packaging". The package hierarchy is mapped here by three SG 10 (CPS segment), each with a SG 11 (PAC segment) for the main packaging and one SG 11 for the auxiliary packaging. This allows the unique mapping of containers (assignment of respective auxiliary packaging for the main packaging).

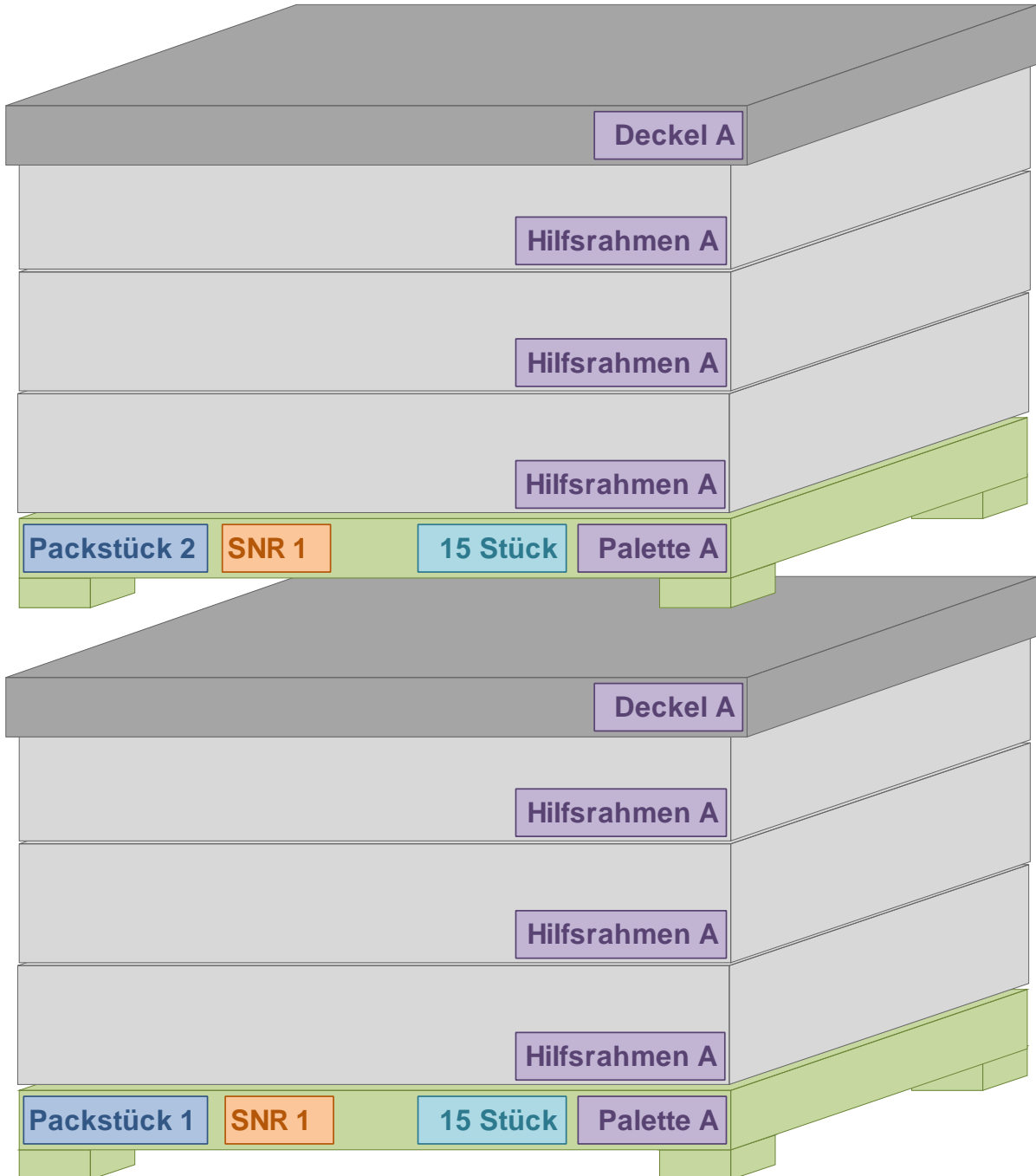


CPS+1++4'	Simplified handling unit
PAC+1+:35:AAC+KISTE A::92'	1x box A reusable packaging of customer
QTY+52:7:PCE'	Contained quantity 7 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 1'	Identification: packaging unit 1
PAC+1+:37:AAC+DECKEL A::92'	1x lid A reusable packaging of customer
LIN+++SNR 1:IN'	SNR 1
QTY+12:42:PCE'	Delivery quantity: 42 pieces (7 + 15 + 20) The delivery note line (1234567, position 10) covers 3 LLC with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:7:PCE'	Partial delivery quantity: 7 pieces
RFF+AAU:1234567:10'	Delivery note 1234567, item 10
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract number 0815
CPS+2++4'	Simplified handling unit
PAC+1+:35:AAC+KISTE B::92'	1x box B reusable packaging of customer
QTY+52:15:PCE'	Contained quantity 15 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2'	Identification: packaging unit 2
PAC+1+:37:AAC+DECKEL B::92'	1x lid B reusable packaging of customer
LIN+++SNR 1:IN'	SNR 1
QTY+12:42:PCE'	Delivery quantity: 42 pieces (7 + 15 + 20) The delivery note line (1234567, position 10) covers 3 LLC with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:15:PCE'	Partial delivery quantity: 15 pieces
RFF+AAU:1234567:10'	Delivery note 1234567, item 10
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract number 0815
CPS+3++4'	Simplified handling unit
PAC+1+:35:AAC+KISTE C::92'	1x box C reusable packaging of customer
QTY+52:20:PCE'	Contained quantity 20 pieces

PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 3'	Identification: packaging unit 3
PAC+1+:37:AAC+DECKEL C::92'	1x lid C reusable packaging of customer
LIN+++SNR 1:IN'	SNR 1
QTY+12:42:PCE'	Delivery quantity: 42 pieces (7 + 15 + 20) The delivery note line (1234567, position 10) covers 3 LLC with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:20:PCE'	Partial delivery quantity: 20 pieces
RFF+AAU:1234567:10'	Delivery note 1234567, item 10
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract 0815

1.9. Shipment: 2 handling units, pallets with 3 shelves
Homogeneous, same packaging, same quantity per package

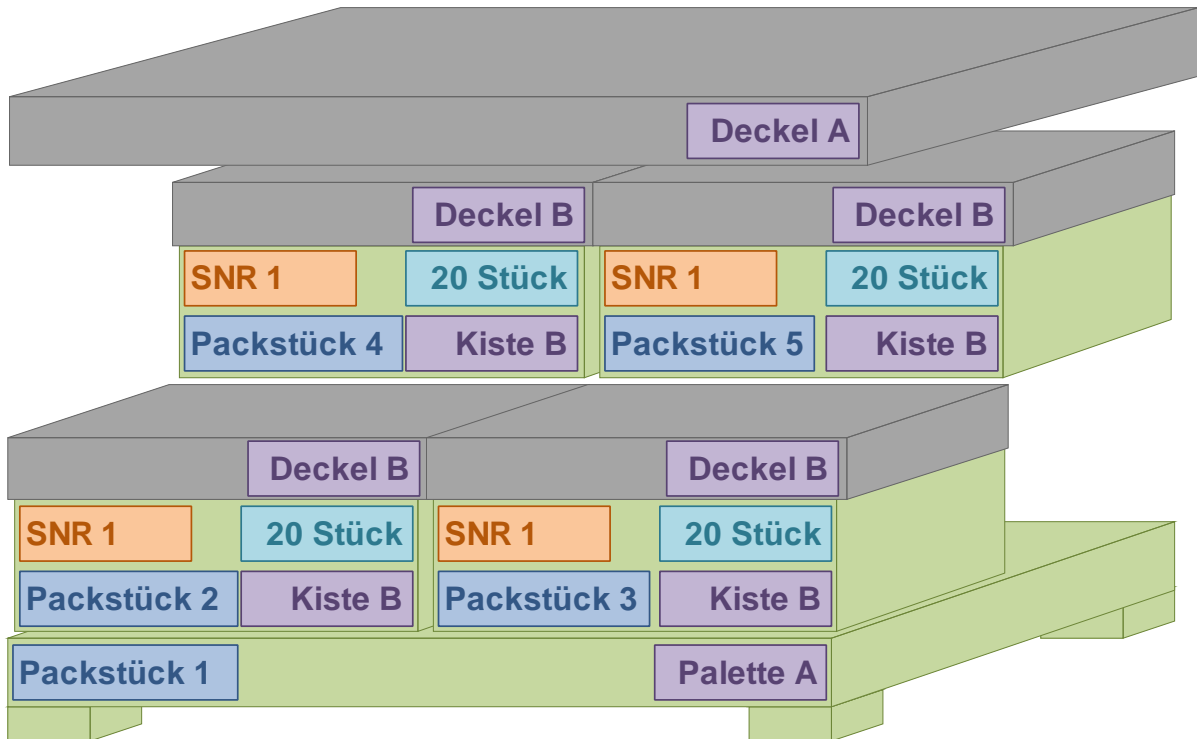
This type of container should be treated as a simplified handling unit. Lid and frame are auxiliary packaging. The pallet is the main packaging.



CPS+1++4'	Simplified handling unit
PAC+2+:35:AAC+PALETTE A::92'	2x pallet A reusable packaging of customer
QTY+52:15:PCE'	Contained quantity 15 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 1'	Identification: packaging unit 1
GIN+ML+PACKSTÜCK 2'	Identification: packaging unit 2
PAC+2+:37:AAC+DECKEL A::92'	2x lid A reusable packaging of customer
PAC+6+:37:AAC+HILFSRAHMEN A::92'	6x frame A reusable packaging of customer
LIN+++SNR 1:IN'	SNR 1
QTY+12:30:PCE'	Delivery quantity: 30 pieces (2 boxes of 15 pieces)
RFF+AAU:1234567'	Delivery note 1234567
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract 0815

1.10. Shipment: Handling unit pallet with 4 KLT and lids
 Homogeneous, same packaging, same quantity per package

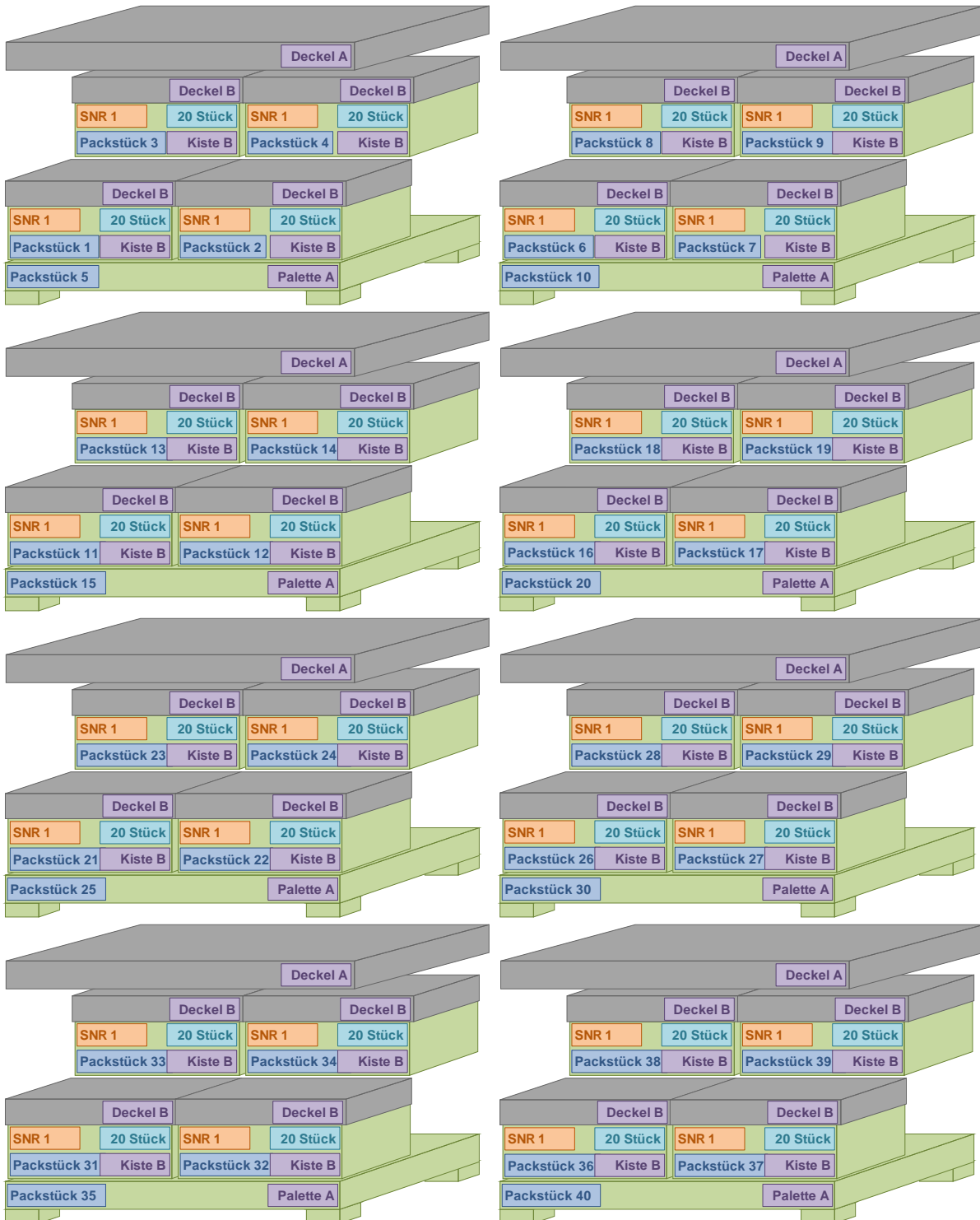
Typical homogeneous delivery: several SLCs on a pallet.



CPS+1++3'	Outer packing / handling unit
PAC+1+:35:AAD+PALETTE A::91'	1x pallet A reusable packaging of supplier
QTY+189:4:PCE'	Contains 4 packaging units
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 1'	Identification: packaging unit 1 (pallet A)
GIN+AW+PACKSTÜCK 2	Packaging unit 2 is contained (stands on pallet A)
+PACKSTÜCK 3	Packaging unit 3 is contained (stands on pallet A)
+PACKSTÜCK 4	Packaging unit 4 is contained (stands on pallet A)
+PACKSTÜCK 5'	Packaging unit 5 is contained (stands on pallet A)
PAC+1+:37:AAD+DECKEL A::91'	1x lid "DECKEL A", supplier's reusable packaging of (auxiliary packaging)
COD+NO'	Trigger segment
QTY+52:80:PCE'	Contained quantity of pallet A
CPS+2++1'	Inner packaging
PAC+4+:35:AAD+KISTE B::91'	4x box B reusable packaging of supplier
QTY+52:20:PCE'	Contained quantity 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2	Identification: packaging unit 2
+PACKSTÜCK 3	Identification: packaging unit 3
+PACKSTÜCK 4	Identification: packaging unit 4
+PACKSTÜCK 5'	Identification: packaging unit 5
PAC+4+:37:AAD+DECKEL B::91'	4x lid B reusable packaging of supplier (auxiliary packaging)
LIN+++SNR 1:IN'	SNR 1
QTY+12:80:PCE'	Delivery quantity: 80 pieces (4x 20)
RFF+AAU:1234567:1'	Delivery note 1234567, item 1
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract 0815

1.11. Shipment: 8 TPU pallet with 4 KLT and lids
Homogeneous, same packaging, same quantity per package

Typical homogeneous delivery: several SLCs on 8 pallets.

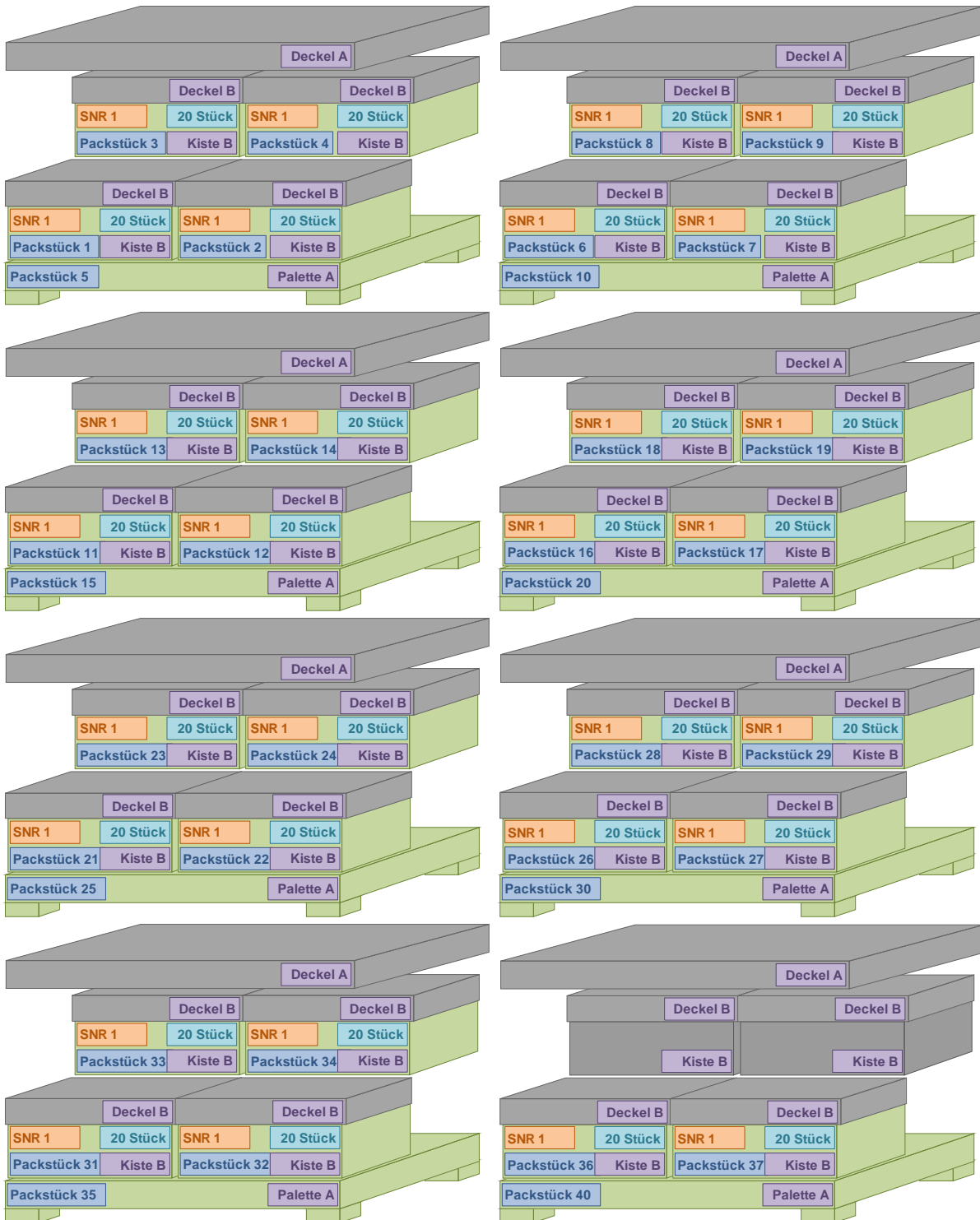


CPS+1++3'	Outer packing / transport packaging unit
PAC+8+:35:AAD+PALETTE A::92'	8x pallet A reusable packaging of supplier
QTY+189:4:PCE'	Contains 4 packaging units
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 5'	Package identification: PACKSTÜCK 5
GIN+AW+PACKSTÜCK 1+PACKSTÜCK 2 +PACKSTÜCK 3+PACKSTÜCK 4'	Contained inner packages: PACKSTÜCK 1 .. 4
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 10'	Package identification: PACKSTÜCK 10
GIN+AW+PACKSTÜCK 6+PACKSTÜCK 7 +PACKSTÜCK 8+PACKSTÜCK 9'	Contained inner packages: PACKSTÜCK 6 .. 9
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 15'	Package identification: PACKSTÜCK 15
GIN+AW+PACKSTÜCK 11+PACKSTÜCK 12 +PACKSTÜCK 13+PACKSTÜCK 14'	Contained inner packages: PACKSTÜCK 11 .. 44
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 20'	Package identification: PACKSTÜCK 20
GIN+AW+PACKSTÜCK 16+PACKSTÜCK 17 +PACKSTÜCK 18+PACKSTÜCK 19'	Contained inner packages: PACKSTÜCK 16 .. 19
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 25'	Package identification: PACKSTÜCK 25
GIN+AW+PACKSTÜCK 21+PACKSTÜCK 22 +PACKSTÜCK 23+PACKSTÜCK 24'	Contained inner packages: PACKSTÜCK 21 .. 24
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit

PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 30'	Package identification: PACKSTÜCK 30
GIN+AW+PACKSTÜCK 26+PACKSTÜCK 27 +PACKSTÜCK 28+PACKSTÜCK 29'	Contained inner packages: PACKSTÜCK 26 .. 29
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 35'	Package identification: PACKSTÜCK 35
GIN+AW+PACKSTÜCK 31+PACKSTÜCK 32 +PACKSTÜCK 33+PACKSTÜCK 34'	Contained inner packages: PACKSTÜCK 31 .. 34
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 40'	Package identification: PACKSTÜCK 40
GIN+AW+PACKSTÜCK 36+PACKSTÜCK 37 +PACKSTÜCK 38+PACKSTÜCK 39'	Contained inner packages: PACKSTÜCK 36 .. 39
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit
PAC+8+:37:AAD+DECKEL A::92'	8 x lid, supplier's reusable packaging (auxiliary packaging)
CPS+2++1'	Inner packaging
PAC+32+:35:AAD+KISTE B::91'	35 x box B, supplier's reusable packaging
QTY+52:20:PCE'	Quantity per pack: 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 1+PACKSTÜCK 2 +PACKSTÜCK 3+PACKSTÜCK 4 +PACKSTÜCK 6'	Identification: PACKSTÜCK 1
GIN+ML+PACKSTÜCK 7+PACKSTÜCK 8 +PACKSTÜCK 9+PACKSTÜCK 11 +PACKSTÜCK 12'	
GIN+ML+PACKSTÜCK 13+PACKSTÜCK 14 +PACKSTÜCK 16+PACKSTÜCK 17 +PACKSTÜCK 18'	
GIN+ML+PACKSTÜCK 19+PACKSTÜCK 21	

+PACKSTÜCK 22+PACKSTÜCK 23	
+PACKSTÜCK 24 '	
GIN+ML+PACKSTÜCK 26+PACKSTÜCK 27	
+PACKSTÜCK 28+PACKSTÜCK 29	
+PACKSTÜCK 31 '	
GIN+ML+PACKSTÜCK 32+PACKSTÜCK 33	
+PACKSTÜCK 34+PACKSTÜCK 36	
+PACKSTÜCK 37 '	
GIN+ML+PACKSTÜCK 38	
+PACKSTÜCK 39 '	Identification: ...PACKSTÜCK 39
PAC+32+:37:AAD+DECKEL B::91'	32 x lid B, supplier's reusable packaging item
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:640:PCE'	Delivery quantity: 640 pieces
RFF+AAU:1234567:1'	Delivery note number 1234567, line 1
RFF+ON:RAHMENVERTRAG0815'	Order/frame contract number: Rahmenvertrag0815

1.12. Shipment: 7 homogeneous TLU with 4 KLT and lids plus 1 TLU with 2 SLC and lids and two empty SLC with lids for stabilisation

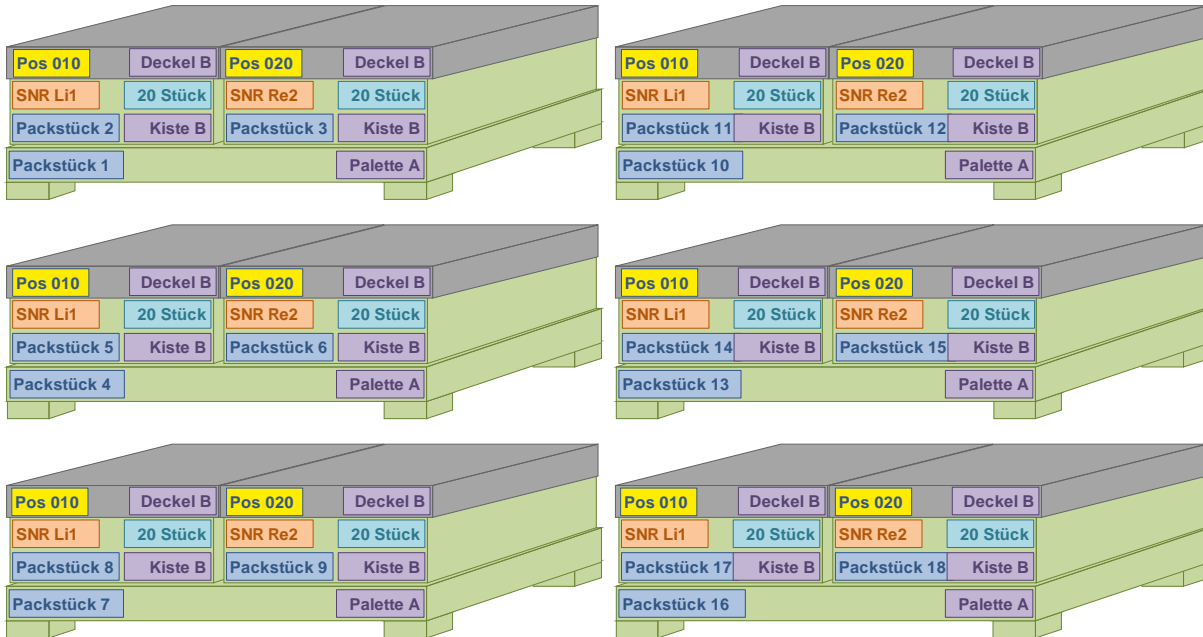


CPS+1++3'	Outer packaging / TLU
PAC+7+:35:AAD+PALETTE A::91'	7x pallet A reusable packaging of supplier
QTY+189:4:PCE'	Contains 4 packaging units
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 5'	Package identification: PACKSTÜCK 5
GIN+AW+PACKSTÜCK 1+PACKSTÜCK 2 +PACKSTÜCK 3+PACKSTÜCK 4'	Contained inner packages: PACKSTÜCK 1 .. 4
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 10'	Package identification: PACKSTÜCK 10
GIN+AW+PACKSTÜCK 6+PACKSTÜCK 7 +PACKSTÜCK 8+PACKSTÜCK 9'	Contained inner packages: PACKSTÜCK 6 .. 9
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 15'	Package identification: PACKSTÜCK 15
GIN+AW+PACKSTÜCK 11+PACKSTÜCK 12 +PACKSTÜCK 13+PACKSTÜCK 14'	Contained inner packages: PACKSTÜCK 11 .. 44
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 20'	Package identification: PACKSTÜCK 20
GIN+AW+PACKSTÜCK 16+PACKSTÜCK 17 +PACKSTÜCK 18+PACKSTÜCK 19'	Contained inner packages: PACKSTÜCK 16 .. 19
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 25'	Package identification: PACKSTÜCK 25
GIN+AW+PACKSTÜCK 21+PACKSTÜCK 22 +PACKSTÜCK 23+PACKSTÜCK 24'	Contained inner packages: PACKSTÜCK 21 .. 24
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit

PCI+17+VERSANDMARKIERUNG++6J: :5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 30'	Package identification: PACKSTÜCK 30
GIN+AW+PACKSTÜCK 26+PACKSTÜCK 27 +PACKSTÜCK 28+PACKSTÜCK 29'	Contained inner packages: PACKSTÜCK 26 .. 29
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per transport packaging unit
PCI+17+GGF. VERSANDMARKIERUNG++6J: :5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 35'	Package identification: PACKSTÜCK 35
GIN+AW+PACKSTÜCK 31+PACKSTÜCK 32 +PACKSTÜCK 33+PACKSTÜCK 34'	Contained inner packages: PACKSTÜCK 31 .. 34
PAC+7+:37:AAD+DECKEL A::91'	Auxiliary packaging: 7 x lid "DECKEL A", supplier's reusable packaging
CPS+2++1'	
PAC+28+:35:AAD+KISTE B::91'	28 x box "KISTE B", supplier's reusable packaging
QTY+52:20:PCE'	Quantity per pack: 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J: :5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 1+PACKSTÜCK 2 +PACKSTÜCK 3+PACKSTÜCK 4 +PACKSTÜCK 6'	Identification: PACKSTÜCK 1 ..
GIN+ML+PACKSTÜCK 7+PACKSTÜCK 8 +PACKSTÜCK 9+PACKSTÜCK 11 +PACKSTÜCK 12'	
GIN+ML+PACKSTÜCK 13+PACKSTÜCK 14 +PACKSTÜCK 16+PACKSTÜCK 17 +PACKSTÜCK 18'	
GIN+ML+PACKSTÜCK 19+PACKSTÜCK 21 +PACKSTÜCK 22+PACKSTÜCK 23 +PACKSTÜCK 24'	
GIN+ML+PACKSTÜCK 26+PACKSTÜCK 27 +PACKSTÜCK 28+PACKSTÜCK 29 +PACKSTÜCK 31'	
GIN+ML+PACKSTÜCK 32+PACKSTÜCK 33 +PACKSTÜCK 34'	Identification: .. PACKSTÜCK 34
PAC+28+:37:AAD+DECKEL B::91'	Auxiliary packaging: 28 x lid "DECKEL B", supplier's reusable packaging
LIN+++SNR 1:IN'	Part number SNR 1

QTY+12:600:PCE'	Delivery quantity: 600 pieces (30 x 20)
QTY+11:560:PCE'	Partial delivery quantity: 560 pieces (28 x 20)
RFF+AAU:1234567:1'	Delivery note number 1234567, line 1
RFF+ON:RAHMENVERTRAG0815'	Order / frame contract number Rahmenvertrag0815
CPS+3++3'	Outer packaging/TLU
PAC+1+:35:AAD+PALETTE A::91'	1 x Palette A, supplier's reusable packaging
QTY+189:2:PCE'	Contains 2 inner packaging items
PCI+17+GGF. VERSANDMARKIERUNG++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 40'	Identification: PACKSTÜCK 40
GIN+AW+PACKSTÜCK 36	Contained inner packages: PACKSTÜCK 36 .. 37
+PACKSTÜCK 37'	
COD+NO'	Trigger segment
QTY+52:40:PCE'	Quantity per TLU: 40 pieces
PAC+1+:37:AAD+DECKEL A::91'	Auxiliary packaging: 1 x DECKEL A, supplier's reusable packaging
PAC+2+:37:AAD+DECKEL B::91'	Auxiliary packaging: 2 x DECKEL B, supplier's reusable packaging
PAC+2+:37:AAD+KISTE B::91'	Auxiliary packaging: 2 x KISTE B, supplier's reusable packaging
CPS+4++1'	Inner packaging
PAC+2+:35:AAD+KISTE B::91'	2 x KISTE B, supplier's reusable packaging
QTY+52:20:PCE'	Quantity per pack: 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 36	Identification: PACKSTÜCK 36
+PACKSTÜCK 37'	Identification: PACKSTÜCK 37
LIN+++SNR 1:IN'	SNR 1
QTY+12:600:PCE'	Delivery quantity: 600 pieces (30 x 20)
QTY+11:40:PCE'	Partial delivery quantity: 40 pieces (2 x 20)
RFF+AAU:1234567:1'	Delivery note number 1234567, line 1
RFF+ON:RAHMENVERTRAG0815'	Order number: Rahmenvertrag0815

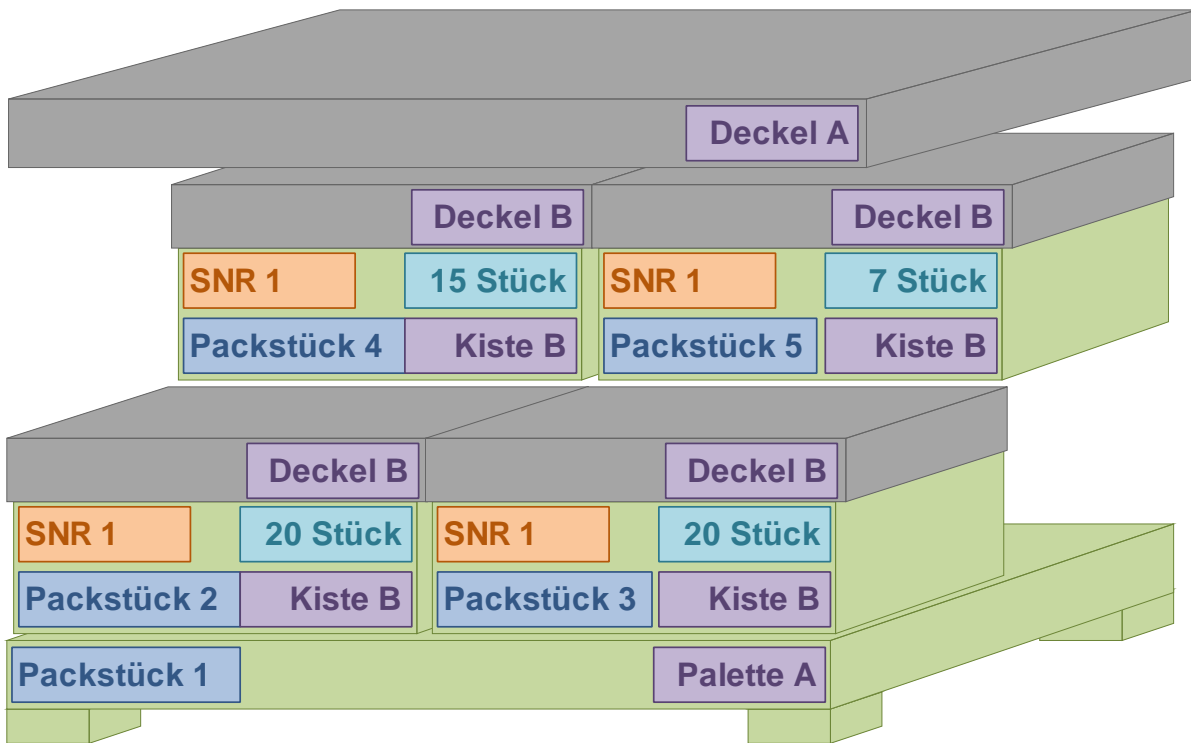
1.13. Shipment: 2 part numbers on 6 identical mixed pallets with 2 SLC each, one delivery note with two line items (one per part number)



CPS+1++3'	Outer packaging/TLU
PAC+6+:35:AAD+PALETTE A::91'	6 x Palette A, supplier's reusable packaging
QTY+189:2:PCE'	Each containing 2 inner packages
PCI+17+GGF. VERSANDMARKIERUNG++5J::5'	Optional shipping mark and type of label (mixed label)
GIN+ML+PACKSTÜCK 1'	Identification: PACKSTÜCK 1
GIN+AW+PACKSTÜCK 2+PACKSTÜCK 3'	Contained inner packages: PACKSTÜCK 2..3
PCI+17+GGF. VERSANDMARKIERUNG++5J::5'	Optional shipping mark and type of label (mixed label)
GIN+ML+PACKSTÜCK 10'	Identification: PACKSTÜCK 10
GIN+AW+PACKSTÜCK 11+PACKSTÜCK 12'	Contained inner packages: PACKSTÜCK 11..12
PCI+17+GGF. VERSANDMARKIERUNG++5J::5'	Optional shipping mark and type of label (mixed label)
GIN+ML+PACKSTÜCK 4'	Identification: PACKSTÜCK 4
GIN+AW+PACKSTÜCK 5+PACKSTÜCK 6'	Contained inner packages: PACKSTÜCK 5..6
PCI+17+GGF. VERSANDMARKIERUNG++5J::5'	Optional shipping mark and type of label (mixed label)
GIN+ML+PACKSTÜCK 13'	Identification: PACKSTÜCK 13
GIN+AW+PACKSTÜCK 14+PACKSTÜCK 15'	Contained inner packages: PACKSTÜCK 14..15
PCI+17+GGF. VERSANDMARKIERUNG++5J::5'	Optional shipping mark and type of label (mixed label)
GIN+ML+PACKSTÜCK 7'	Identification: PACKSTÜCK 7
GIN+AW+PACKSTÜCK 8+PACKSTÜCK 9'	Contained inner packages: PACKSTÜCK 8..9

PCI+17+GGF. VERSANDMARKIERUNG++5J::5'	Optional shipping mark and type of label (mixed label)
GIN+ML+PACKSTÜCK 16'	Identification: PACKSTÜCK 16
GIN+AW+PACKSTÜCK 17+PACKSTÜCK 18'	Contained inner packages: PACKSTÜCK 17..18
CPS+2++1'	Inner Packaging
PAC+6+:35:AAD+KISTE B::91'	6 x KISTE B, supplier's reusable packaging
QTY+52:20:PCE'	Quantity per pack: 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2+PACKSTÜCK 5	Identification: PACKSTÜCK 2, 5, 8, 11, 14, 17
+PACKSTÜCK 8+PACKSTÜCK 11	
+PACKSTÜCK 14'	
GIN+ML+PACKSTÜCK 17'	
PAC+6+:37:AAD+DECKEL B::91'	Auxiliary packaging: 6x lid DECKEL B, supplier's reusable packaging
LIN+++LI1:IN'	Part number Li1
QTY+12:120:PCE'	Delivery quantity: 120 pieces
RFF+AAU:4711:010'	Delivery note number 4711, line 010
CPS+3++1'	Inner packaging
PAC+6+:35:AAD+KISTE B::91'	6 x KISTE B, supplier's reusable packaging
QTY+52:20:PCE'	Quantity per pack: 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 3+PACKSTÜCK 6	Identification: PACKSTÜCK 3, 6, 9, 12, 15, 18
+PACKSTÜCK 9+PACKSTÜCK 12	
+PACKSTÜCK 15'	
GIN+ML+PACKSTÜCK 18'	
PAC+6+:37:AAD+DECKEL B::91'	Auxiliary packaging: 6x lid DECKEL B, supplier's reusable packaging
LIN+++RE2:IN'	Part number Re2
QTY+12:120:PCE'	Delivery quantity: 120 pieces
RFF+AAU:4711:020'	Delivery note number 4711, line 020

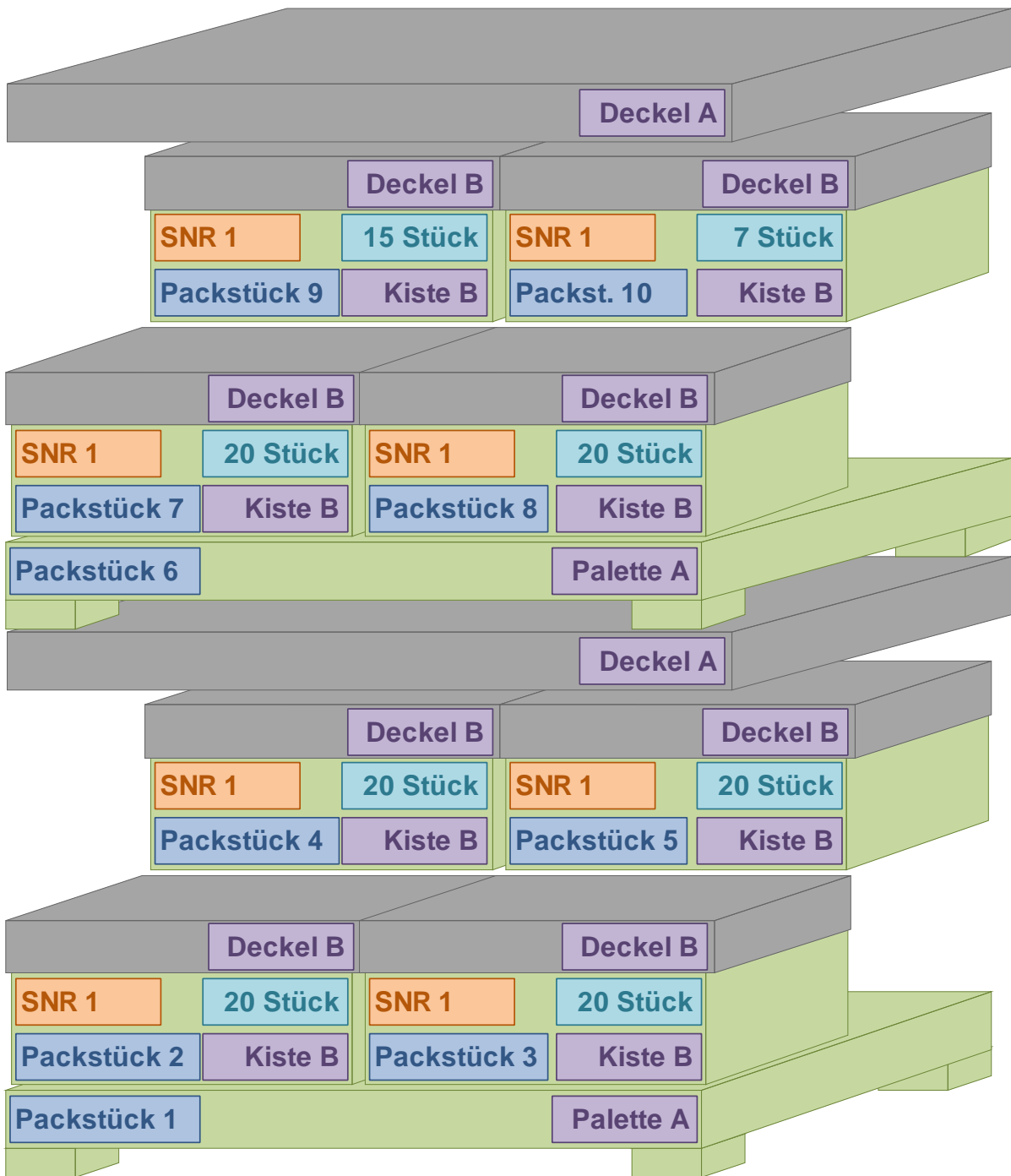
1.14. Shipment: TLU pallet with 4 SLC and lids, homogeneous, same packaging, different quantities per pack



CPS+1++3 '	Outer package / TLU
PAC+1+:35:AAD+PALETTE A:::92 '	8x pallet A reusable packaging of supplier
QTY+189:4:PCE '	Contains 4 inner packaging units
PCI+17+GGF. VERSANDMARKIERUNG++6J:::5 '	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 1 '	Package identification: PACKSTÜCK 1
GIN+AW+PACKSTÜCK 2+PACKSTÜCK 3 +PACKSTÜCK 4+PACKSTÜCK 5 '	Contained inner packages: PACKSTÜCK 2 .. 5
COD+NO '	Trigger segment
QTY+52:62:PCE '	Quantity per TLU: 200 pieces
PAC+1+:37:AAD+DECKEL A:::91 '	Auxiliary packaging: 1 x DECKEL A, supplier's reusable packaging
CPS+2++1 '	Inner packaging
PAC+2+:35:AAD+KISTE B:::91 '	2 x box KISTE B, supplier's reusable packaging
QTY+52:20:PCE '	Quantity per pack: 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J:::5 '	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2+PACKSTÜCK 3 '	Identification: PACKSTÜCK 2..3
PAC+2+:37:AAD+DECKEL B:::91 '	Auxiliary packaging: 2 x DECKEL B, supplier's reusable packaging

LIN+++SNR 1:IN'	Part number: SNR 1
QTY+11:40:PCE'	Partial delivery quantity: 40 pieces
QTY+12:62:PCE'	Delivery quantity: 62 pieces (2 x20+15+7)
RFF+AAU:1234567'	Delivery note number 1234567
DTM+171:20130709:102'	Delivery note date
RFF+ON:RAHMENVERTRAG0815'	Order/frame contract number: Rahmenvertrag0815
CPS+3++1'	Inner packaging
PAC+1+:35:AAD+KISTE B::91'	1x box KISTE B, supplier's reusable packaging
QTY+52:15:PCE'	Quantity per pack: 15 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 4'	Identification: PACKSTÜCK 4
PAC+1+:37:AAD+DECKEL B::91'	Auxiliary packaging: 1 x DECKEL B, supplier's reusable packaging
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:62:PCE'	Total delivery quantity: 62 pieces (2 x20+15+7)
QTY+11:15:PCE'	Partial delivery quantity: 15 pieces
RFF+AAU:1234567'	Delivery note number 1234567
DTM+171:20130709:102'	Delivery note date
RFF+ON:RAHMENVERTRAG0815'	Order/frame contract number: Rahmenvertrag0815
CPS+4++1'	Innere Verpackung
PAC+1+:35:AAD+KISTE B::91'	1x box KISTE B, supplier's reusable packaging
QTY+52:7:PCE'	Quantity per pack: 7 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 5'	Identification: PACKSTÜCK 5
PAC+1+:37:AAD+DECKEL B::91'	Auxiliary packaging: 1 x DECKEL B, supplier's reusable packaging
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:62:PCE'	Total delivery quantity: 62 pieces (2 x20+15+7)
QTY+11:7:PCE'	Partial delivery quantity: 15 pieces
RFF+AAU:1234567'	Delivery note number 1234567
DTM+171:20130709:102'	Delivery note date
RFF+ON:RAHMENVERTRAG0815'	Order/frame contract number: Rahmenvertrag0815

1.15. Shipment: 2 TLU pallet with 4 SLC and lids each, same part number, same packaging, different quantities per pack, one delivery note with one line

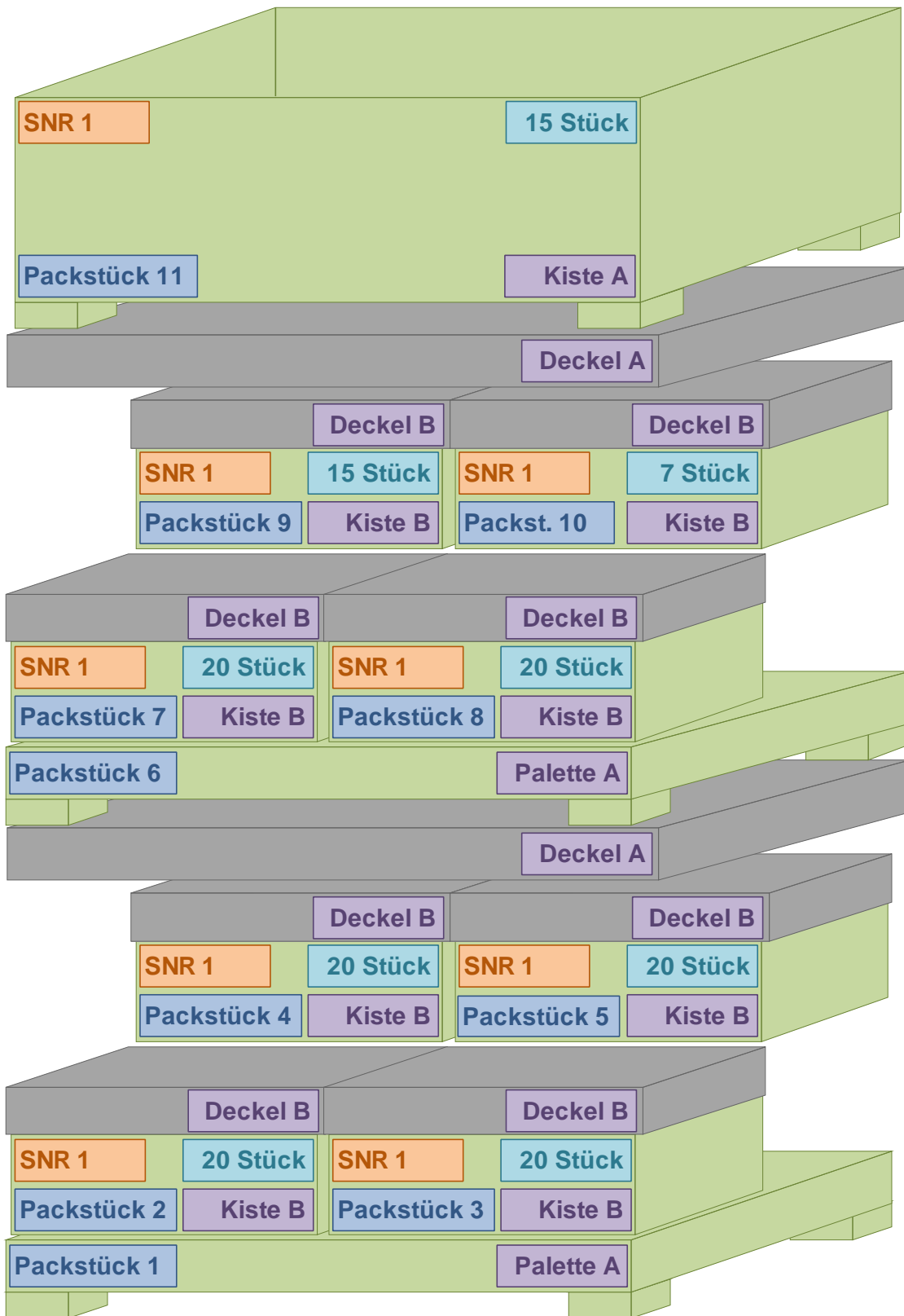


CPS+1++3'	Outer package / TLU
PAC+1+:35:AAD+PALETTE A::92'	1 x pallet A reusable packaging of supplier
QTY+189:4:PCE'	Contains 4 inner packaging units
PCI+17+++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 1'	Package identification: PACKSTÜCK 1
GIN+AW+PACKSTÜCK 2 +PACKSTÜCK 3 +PACKSTÜCK 4 +PACKSTÜCK 5'	Contained inner packages: PACKSTÜCK 2 .. 5
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per TLU: 80 pieces
PAC+1+:37:AAD+DECKEL A::92'	Auxiliary packaging: 1 x DECKEL A, supplier's reusable packaging
CPS+2++1'	Inner packaging
PAC+4+:35:AAD+KISTE B::92'	4 x box KISTE B, supplier's reusable packaging
QTY+52:20:PCE'	Quantity per pack: 20 pieces
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2 +PACKSTÜCK 3 +PACKSTÜCK 4 +PACKSTÜCK 5'	Identification: PACKSTÜCK 2 ..5
PAC+4+:37:AAD+DECKEL B::92'	Auxiliary packaging: 4 x DECKEL B, supplier's reusable packaging
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:142:PCE'	Delivery quantity: 142 pieces (4*20 + 2*20 + 7 + 15) The delivery note line (1234567, position 001) covers several LLC with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:80:PCE'	Partial delivery quantity: 80 pieces
RFF+AAU:18768:001'	Delivery note number 1234567, line 001
DTM+171:20140701:102'	Delivery note date
RFF+ON:0815'	Order/frame contract number: Rahmenvertrag0815
CPS+3++3'	Outer package / TLU
PAC+1+:35:AAD+PALETTE A::92'	1 x pallet A reusable packaging of supplier
QTY+189:4:PCE'	Contains 4 inner packaging units
PCI+17+++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 6'	Package identification: PACKSTÜCK 6
GIN+AW+PACKSTÜCK 7 +PACKSTÜCK 8 +PACKSTÜCK 9 +PACKSTÜCK 10'	Contained inner packages: PACKSTÜCK 7 .. 10

COD+NO'	Trigger segment
QTY+52:62:PCE'	Quantity per TLU: 62 pieces
PAC+1+:37:AAD+DECKEL A::92'	Auxiliary packaging: 1 x DECKEL A, supplier's reusable packaging
CPS+4++1'	Inner packaging
PAC+1+:35:AAD+KISTE B::92'	1 x box KISTE B, supplier's reusable packaging
QTY+52:7:PCE'	Quantity per pack: 7 pieces
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 10'	Identification: PACKSTÜCK 10
PAC+1+:37:AAD+DECKEL B::92'	Auxiliary packaging: 1 x DECKEL B, supplier's reusable packaging
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:142:PCE'	Delivery quantity: 142 pieces. The delivery note line (1234567, position 001) covers 2 LLC with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:7:PCE'	Partial delivery quantity: 7 pieces
RFF+AAU:18768:001'	Delivery note number 1234567, line 001
DTM+171:20140701:102'	Delivery note date
RFF+ON:0815'	Order/frame contract number: Rahmenvertrag0815
CPS+5++1'	Inner packaging
PAC+1+:35:AAD+KISTE B::92'	1 x box KISTE B, supplier's reusable packaging
QTY+52:15:PCE'	Quantity per pack: 15 pieces
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 9'	Identification: PACKSTÜCK 10
PAC+1+:37:AAD+DECKEL B::92'	Auxiliary packaging: 1 x DECKEL B, supplier's reusable packaging
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:142:PCE'	Delivery quantity: 142 pieces. The delivery note line (1234567, position 001) covers 2 LLC with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:15:PCE'	Partial delivery quantity: 15 pieces
RFF+AAU:18768:001'	Delivery note number 1234567, line 001
DTM+171:20140701:102'	Delivery note date
RFF+ON:0815'	Order/frame contract number: Rahmenvertrag0815
CPS+6++1'	Inner packaging

PAC+2+:35:AAD+KISTE B::92'	2 x box KISTE B, supplier's reusable packaging
QTY+52:20:PCE'	Quantity per pack: 20 pieces
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 7+PACKSTÜCK 8'	Identification: PACKSTÜCK 10
PAC+2+:37:AAD+DECKEL B::92'	Auxiliary packaging: 2 x DECKEL B, supplier's reusable packaging
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:142:PCE'	Delivery quantity: 142 pieces. The delivery note line (1234567, position 001) covers 2 LLC with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:40:PCE'	Partial delivery quantity: 40 pieces
RFF+AAU:18768:001'	Delivery note number 1234567, line 001
DTM+171:20140701:102'	Delivery note date
RFF+ON:0815'	Order/frame contract number: Rahmenvertrag0815

1.16. Shipment: 3 TLUs: 2 pallets with SLC and 1 LLC, same part number, different packaging, different quantity per package

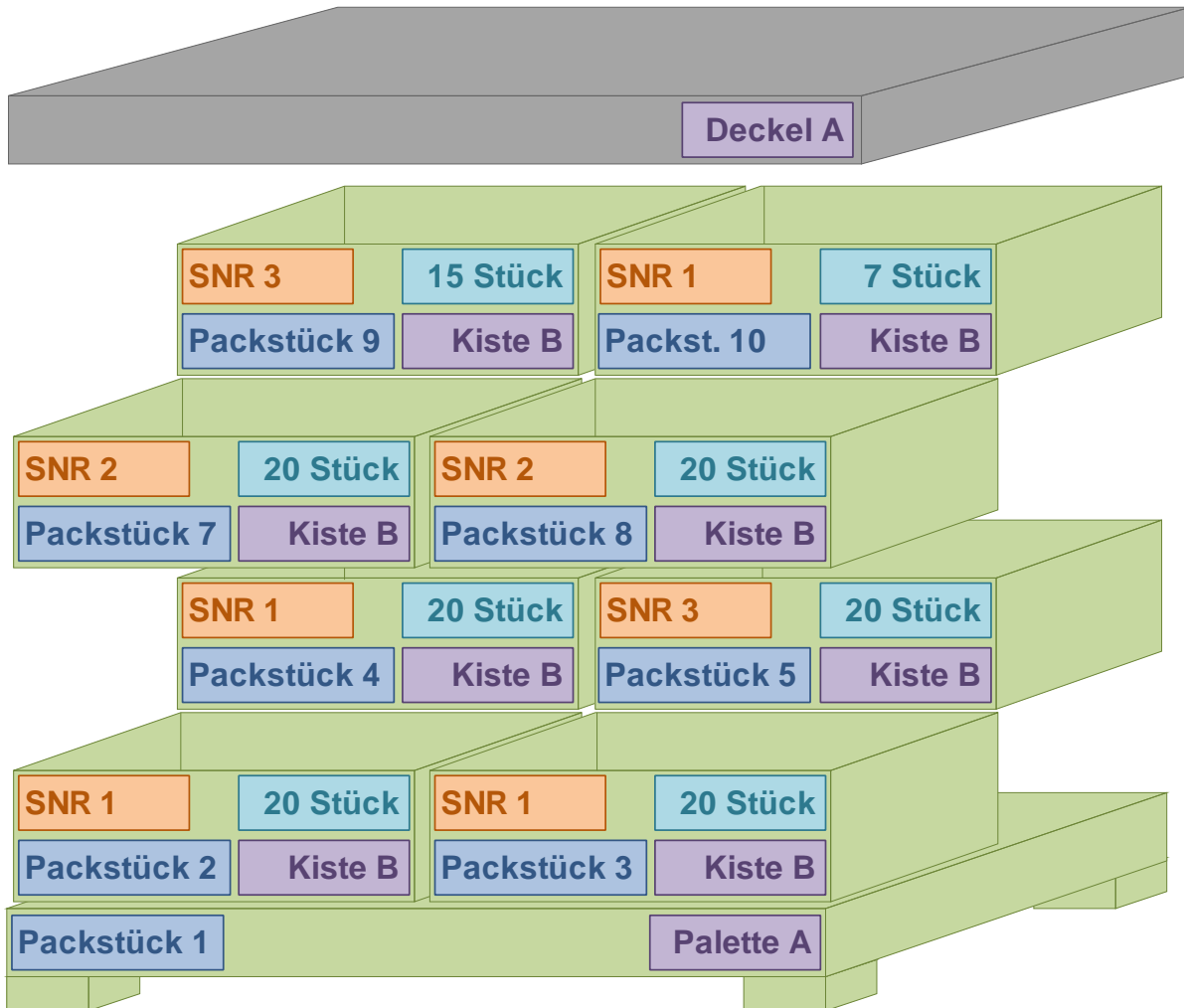


CPS+1++3'	Outer package / TLU
PAC+1+:35:AAD+PALETTE A::92'	1 x pallet A reusable packaging of supplier
QTY+189:4:PCE'	Contains 4 inner packaging units
PCI+17+++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 1'	Package identification: PACKSTÜCK 1
GIN+AW+PACKSTÜCK 2 +PACKSTÜCK 3 +PACKSTÜCK 4 +PACKSTÜCK 5'	Contained inner packages: PACKSTÜCK 2 .. 5
COD+NO'	Trigger segment
QTY+52:80:PCE'	Quantity per TLU: 80 pieces
PAC+1+:37:AAD+DECKEL A::92'	Auxiliary packaging: 1 x DECKEL A, supplier's reusable packaging
CPS+2++1'	Inner packaging
PAC+4+:35:AAD+KISTE B::92'	4 x box KISTE B, supplier's reusable packaging
QTY+52:20:PCE'	Quantity per pack: 20 pieces
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2+PACKSTÜCK 3 +PACKSTÜCK 4+PACKSTÜCK 5'	Identification: PACKSTÜCK 2 ..5
PAC+4+:37:AAD+DECKEL B::92'	Auxiliary packaging: 4 x DECKEL B, supplier's reusable packaging
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:157:PCE'	Delivery quantity: 157 pieces (4*20 + 2*20+15+7+15) The delivery note line (18768, position 10) covers several TLU with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:80:PCE'	Partial delivery quantity: 80 pieces
RFF+AAU:18768:001'	Delivery note number 18768
DTM+171:20140701:102'	Delivery note date
RFF+ON:0815'	Order/frame contract number: Rahmenvertrag0815
CPS+3++3'	Outer package / TLU
PAC+1+:35:AAD+PALETTE A::92'	1 x pallet A, reusable packaging of supplier
QTY+189:4:PCE'	Contains 4 inner packaging units
PCI+17+++6J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 6'	Package identification: PACKSTÜCK 6
GIN+AW+PACKSTÜCK 7 +PACKSTÜCK 8 +PACKSTÜCK 9 +PACKSTÜCK 10'	Contained inner packages: PACKSTÜCK 7 .. 10
COD+NO'	Trigger segment

QTY+52:62:PCE'	Quantity per TLU: 62 pieces
PAC+1+:37:AAD+DECKEL A::92'	Auxiliary packaging: 1 x DECKEL A, supplier's reusable packaging
CPS+4++1'	Inner packaging
PAC+1+:35:AAD+KISTE B::92'	8 x box KISTE B, supplier's reusable packaging
QTY+52:7:PCE'	Quantity per pack: 200 pieces
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 10'	Identification: PACKSTÜCK 10
PAC+1+:37:AAD+DECKEL B::92'	Auxiliary packaging: 2 x DECKEL B, supplier's reusable packaging
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:157:PCE'	Delivery quantity: 157 pieces (4*20 + 2*20+15+7+15) The delivery note line (18768, position 10) covers several TLU with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:7:PCE'	Partial delivery quantity: 7 pieces
RFF+AAU:18768:001'	Delivery note number 18768, line 001
DTM+171:20140701:102'	Delivery note date
RFF+ON:0815'	Order/frame contract number: Rahmenvertrag0815
CPS+5++1'	Inner packaging
PAC+1+:35:AAD+KISTE B::92'	1 x box KISTE B, supplier's reusable packaging
QTY+52:15:PCE'	Quantity per pack: 15 pieces
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 9'	Identification: PACKSTÜCK 9
PAC+1+:37:AAD+DECKEL B::92'	Auxiliary packaging: 1 x DECKEL B, supplier's reusable packaging
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:157:PCE'	Delivery quantity: 157 pieces (4*20 + 2*20+15+7+15) The delivery note line (18768, position 10) covers several TLU with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:15:PCE'	Partial delivery quantity: 15 pieces
RFF+AAU:18768:001'	Delivery note number 18768, line 001
DTM+171:20140701:102'	Delivery note date
RFF+ON:0815'	Order/frame contract number: Rahmenvertrag0815

CPS+6++1'	Inner packaging
PAC+2+:35:AAD+KISTE B::92'	2 x box KISTE B, supplier's reusable packaging
QTY+52:20:PCE'	Quantity per pack: 20 pieces
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 7+PACKSTÜCK 8'	Identification: PACKSTÜCK 7 and 8
PAC+2+:37:AAD+DECKEL B::92'	Auxiliary packaging: 2 x DECKEL B, supplier's reusable packaging
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:157:PCE'	Delivery quantity: 42 pieces (7 + 15 + 20) The delivery note line (1234567, position 10) covers 3 LLC with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:40:PCE'	Partial delivery quantity: 40 pieces
RFF+AAU:18768:001'	Delivery note number 18768, line 001
DTM+171:20140701:102'	Delivery note date
RFF+ON:0815'	Order/frame contract number: Rahmenvertrag0815
CPS+7++4'	Simplified handling unit / TLU
PAC+1+:35:AAD+KISTE A::92'	1 x KISTE A, supplier's reusable packaging
QTY+52:15:PCE'	Quantity per pack: 15 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 11'	Package identification: PACKSTÜCK 11
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:157:PCE'	Delivery quantity: 42 pieces (7 + 15 + 20) The delivery note line covers several TLU with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
RFF+AAU:18768:001'	Delivery note number 18768, line 001
DTM+171:20140701:102'	Delivery note date
QTY+11:15:PCE'	Partial delivery quantity: 15 pieces
RFF+ON:RAHMENVERTRAG0815'	Order/frame contract number: Rahmenvertrag0815

1.17. Shipment: mixed handling unit pallet with KLT
 different article numbers, same packaging, different quantity per package, different delivery notes for each part number

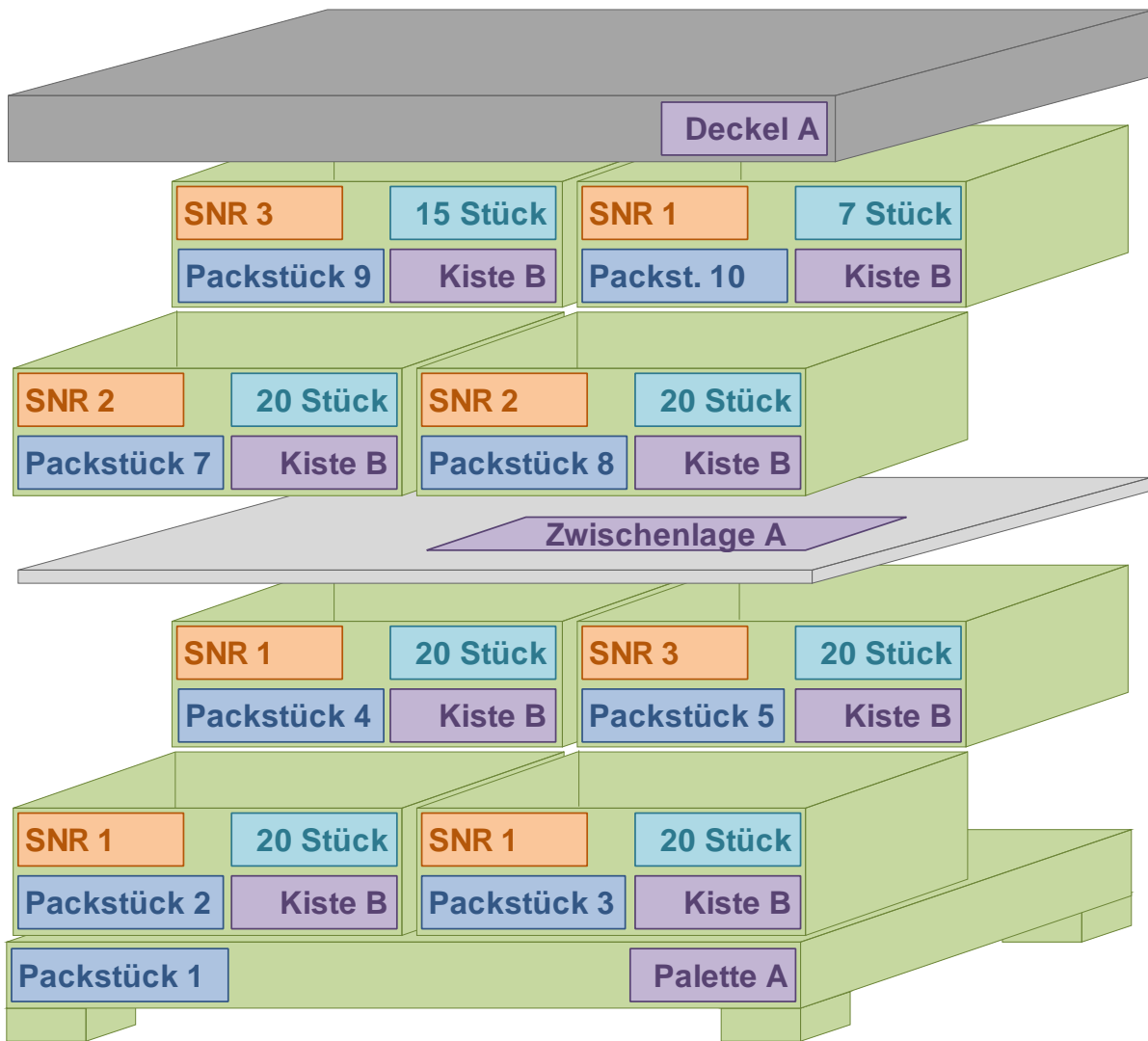


CPS+1++3'	Outer packing / handling unit
PAC+1+:35:AAE+PALETTE A:::92'	1x pallet A reusable packaging of service provider
QTY+189:8:PCE'	8 packages contained
PCI+17+GGF. VERSANDMARKIERUNG++5J:::5'	Optional shipping mark and type of label (mixed handling unit)
GIN+ML+PACKSTÜCK 1'	Identification: packaging unit 1
GIN+AW+PACKSTÜCK 2	Packaging unit 2 is contained
+PACKSTÜCK 3	Packaging unit 3 is contained
+PACKSTÜCK 4	Packaging unit 4 is contained
+PACKSTÜCK 5	Packaging unit 5 is contained
+PACKSTÜCK 7'	Packaging unit 6 is contained
GIN+AW+PACKSTÜCK 8	Packaging unit 7 is contained

+PACKSTÜCK 9	Packaging unit 8 is contained
+PACKSTÜCK 10'	Packaging unit 9 is contained
PAC+1+:37:AAE+DECKEL A::92'	1x lid A reusable packaging of service provider (auxiliary packaging)
CPS+2++1'	Inner packing for SNR 1
PAC+3+:35:AAE+KISTE B::92'	3x box A reusable packaging of customer
QTY+52:20:PCE'	Contained quantity 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2	Identification: packaging unit 2
+PACKSTÜCK 3	Identification: packaging unit 3
+PACKSTÜCK 4'	Identification: packaging unit 4
LIN+++SNR 1:IN'	Item level: SNR 1
QTY+12:67:PCE'	Delivery quantity: 67 pieces (3x 20 + 7)
QTY+11:60:PCE'	Partial delivery quantity: 60 pieces
RFF+AAU:1234567:1'	Delivery note 1234567, item 1
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract 0815
CPS+3++1'	Inner packing for SNR2
PAC+2+:35:AAE+KISTE B::92'	2x box A reusable packaging of service provider
QTY+52:20:PCE'	Quantity per pack: 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 7	Identification: packaging unit 7
+PACKSTÜCK 8'	Identification: packaging unit 8
LIN+++SNR 2:IN'	SNR2
QTY+12:40:PCE'	Delivery quantity: 40 pieces (2x 20)
RFF+AAU:1234568:1'	Delivery note 1234568, item 1
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0819'	Frame contract 0819
CPS+4++1'	Inner packing for SNR3
PAC+1+:35:AAE+KISTE B::92'	1x box B reusable packaging of service provider
QTY+52:20:PCE'	Contained quantity 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 5'	Identification: packaging unit 5

LIN+++SNR 3:IN'	SNR3
QTY+12:35:PCE'	Delivery quantity: 35 pieces (20 + 15)
QTY+11:20:PCE'	Partial delivery quantity: 20 pieces
RFF+AAU:1234569:1'	Delivery note 1234569, item 1 (new delivery note number)
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0811'	Frame contract 0811
CPS+5++1'	Inner packaging
PAC+1+:35:AAE+KISTE B::92'	1 x box KISTE B, service provider's reusable packaging
QTY+52:7:PCE'	Quantity per pack: 7 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 10'	Identification: PACKSTÜCK 10
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:67:PCE'	Delivery quantity: 67 pieces
QTY+11:7:PCE'	Partial delivery quantity: 7 pieces
RFF+AAU:1234567:1'	Delivery note number 1234567, line 1
DTM+171:20130709:102'	Delivery note date
RFF+ON:RAHMENVERTRAG0815'	Order/frame contract number: Rahmenvertrag0815
CPS+6++1'	Inner packaging
PAC+1+:35:AAE+KISTE B::92'	1 x box KISTE B, service provider's reusable packaging
QTY+52:15:PCE'	Quantity per pack: 15 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 9'	Identification: PACKSTÜCK 9
LIN+++SNR 3:IN'	Part number: SNR3
QTY+12:35:PCE'	Delivery quantity: 35 pieces
QTY+11:15:PCE'	Partial delivery quantity: 15 pieces
RFF+AAU:1234569:1'	Delivery note number 1234569, line 1
DTM+171:20130709:102'	Delivery note date
RFF+ON:RAHMENVERTRAG0811'	Order/frame contract number: Rahmenvertrag0815

1.18. Shipment: mixed handling unit pallet with interlayer
 different article numbers, same packaging, different quantity per package



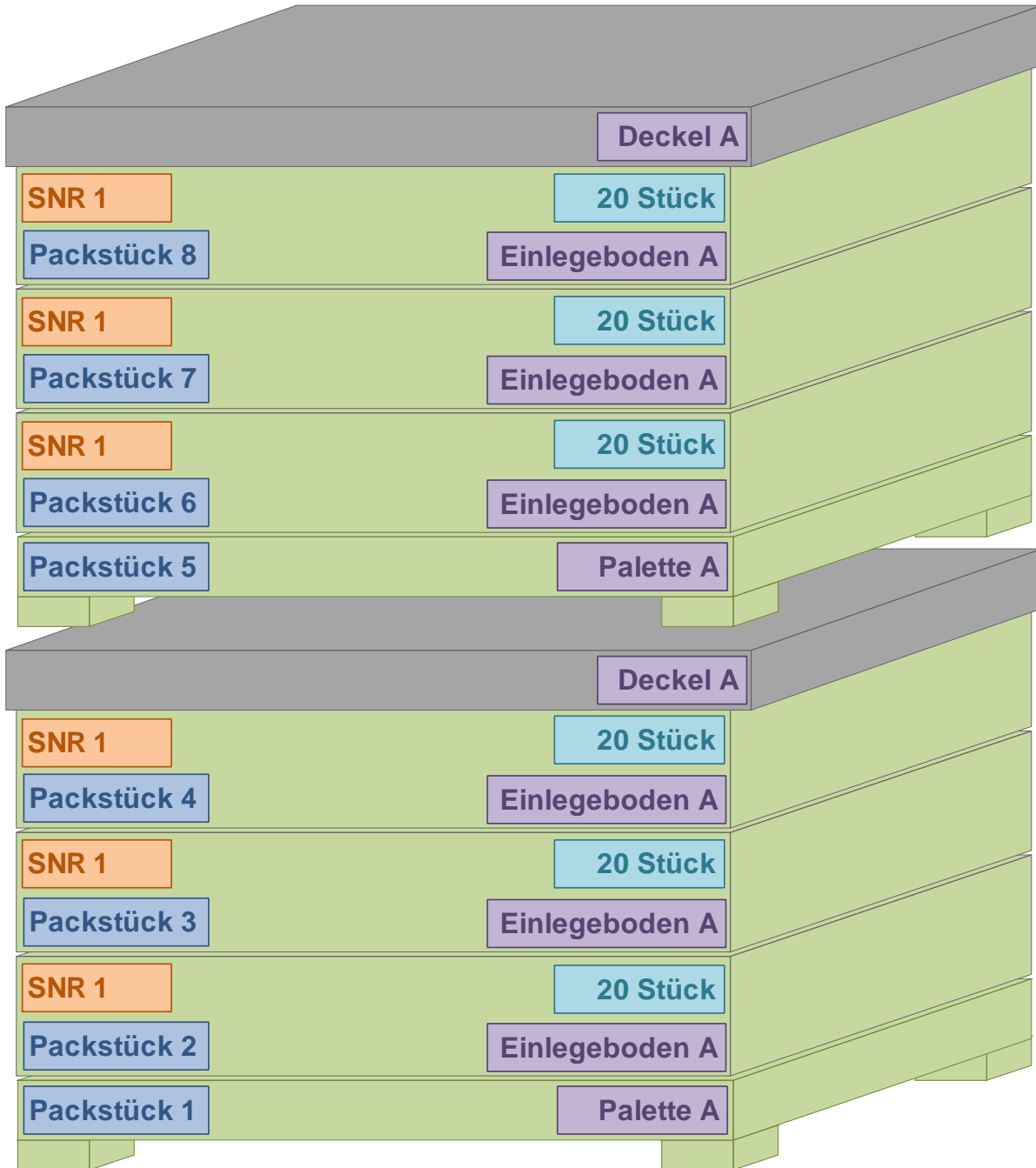
CPS+1++3'	Outer packing / handling unit
PAC+1+:35:AAE+PALETTE A::92'	1x pallet A, service provider's reusable packaging
QTY+189:8:PCE'	8 packages contained
PCI+17+GGF. VERSANDMARKIERUNG++5J::5'	Optional shipping mark and type of label (mixed handling unit)
GIN+ML+PACKSTÜCK 1'	Identification: packaging unit 1
GIN+AW+PACKSTÜCK 2	Packaging unit 2 is contained
+PACKSTÜCK 3	Packaging unit 3 is contained
+PACKSTÜCK 4	Packaging unit 4 is contained
+PACKSTÜCK 5	Packaging unit 5 is contained
+PACKSTÜCK 7'	Packaging unit 6 is contained
GIN+AW+PACKSTÜCK 8	Packaging unit 7 is contained
+PACKSTÜCK 9	Packaging unit 8 is contained
+PACKSTÜCK 10'	Packaging unit 9 is contained
PAC+1+:37:AAE+DECKEL A::92'	1x lid A, service provider's reusable packaging (auxiliary packaging)
PAC+1+:37:AAE+ZWISCHENLAGE A::92'	1x interlayer A service provider's reusable packaging (auxiliary packaging)
CPS+2++1'	Inner packing for SNR 1
PAC+3+:35:AAE+KISTE B::92'	3 x box A reusable packaging of customer
QTY+52:20:PCE'	Quantity per pack 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2	Identification: packaging unit 2
+PACKSTÜCK 3	Identification: packaging unit 3
+PACKSTÜCK 4'	Identification: packaging unit 4
LIN+++SNR 1:IN'	Item level: SNR 1
QTY+12:67:PCE'	Delivery quantity: 67 pieces (3x 20 + 7)
RFF+AAU:1234567:1'	Delivery note 1234567, item 1
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract 0815
CPS+3++1'	Inner packing for SNR2
PAC+2+:35:AAE+KISTE B::92'	2x box A reusable packaging of service provider
QTY+52:20:PCE'	Contained quantity 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 7	Identification: packaging unit 7
+PACKSTÜCK 8'	Identification: packaging unit 8

LIN+++SNR 2:IN'	SNR2
QTY+12:40:PCE'	Delivery quantity: 40 pieces (2x 20)
RFF+AAU:1234568:1'	Delivery note 1234568, item 1
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0818'	Frame contract 0818
CPS+4++1'	Inner packing for SNR3
PAC+1+:35:AAE+KISTE B::92'	1x box B reusable packaging of service provider
QTY+52:20:PCE'	Contained quantity 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 5'	Identification: packaging unit 5
LIN+++SNR 3:IN'	SNR3
QTY+12:35:PCE'	Delivery quantity: 35 pieces (20 + 15)
QTY+11:20:PCE'	Partial delivery quantity: 20 pieces
RFF+AAU:1234569:1'	Delivery note 1234569, item 1
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0811'	Frame contract 0811
CPS+5++1'	Inner packaging
PAC+1+:35:AAE+KISTE B::92'	1 x box KISTE B, service provider's reusable packaging
QTY+52:7:PCE'	Quantity per pack: 7 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 10'	Identification: PACKSTÜCK 10
LIN+++SNR 1:IN'	Part number: SNR 1
QTY+12:67:PCE'	Delivery quantity: 67 pieces (3+20+7) The delivery note line (1234567, position 1) covers several TLU with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:7:PCE'	Partial delivery quantity: 7 pieces
RFF+AAU:1234567:1'	Delivery note 1234561, item 1
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract 0815
CPS+6++1'	Inner packaging
PAC+1+:35:AAE+KISTE B::92'	1 x box KISTE B, service provider's reusable packaging
QTY+52:15:PCE'	Quantity per pack: 15 pieces

PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 9'	Identification: PACKSTÜCK 9
LIN+++SNR 3:IN'	Part number: SNR3
QTY+12:35:PCE'	Delivery quantity: 35 pieces (20+15) The delivery note line (1234569, position 1) covers several TLU with different package quantities. Therefore, there are several CPS-groups. This QTY segment transmits the total delivery quantity as stated in the delivery note line.
QTY+11:15:PCE'	Partial delivery quantity: 15 pieces
RFF+AAU:1234569:1'	Delivery note 1234569, item 1
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0811'	Frame contract 0811

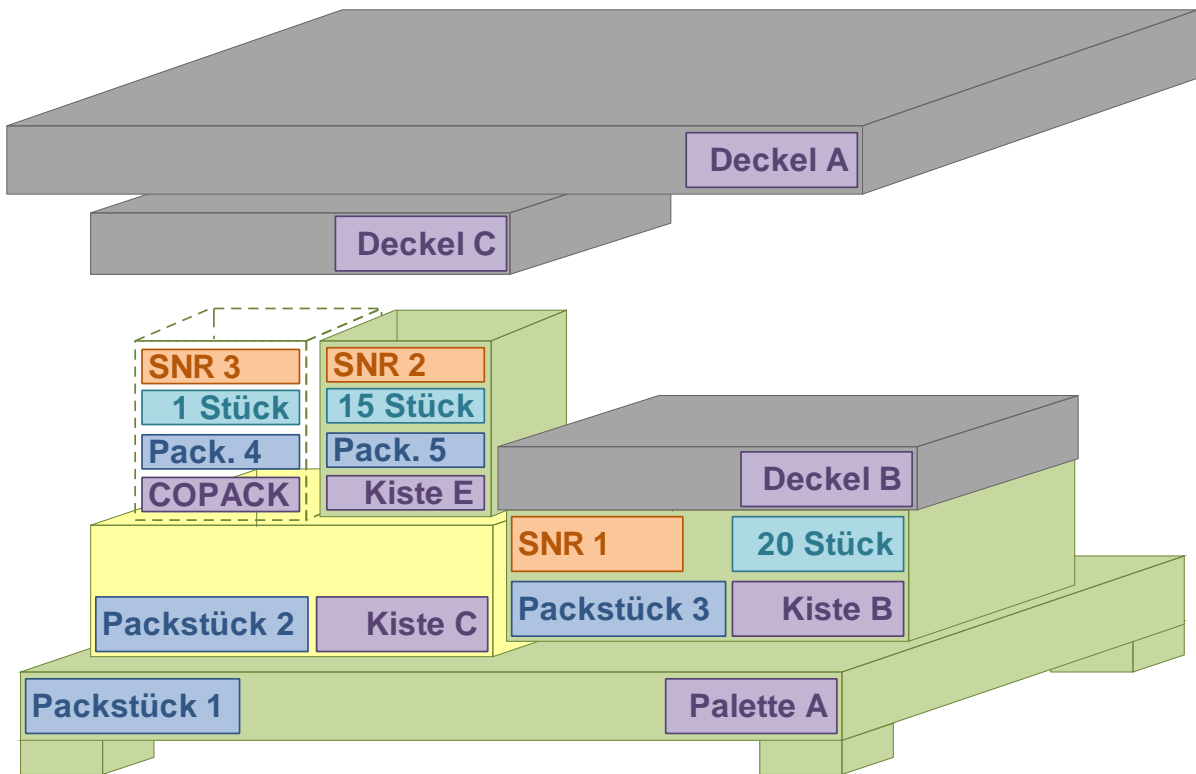
1.19. Shipment: 2 handling units pallets with 3 shelves each
 Homogeneous, same packaging, same quantity per package

This packaging type should be treated as outer and inner packaging: the shelves form the inner packaging, as each of the shelves has its own label. Lids are auxiliary packaging. Pallets and shelves are main packaging. This example is identical in content to example 1.10.



CPS+1++3'	Outer packing / handling unit
PAC+2+:35:AAD+PALETTE A:::92'	2x pallet A reusable packaging of supplier
QTY+189:3:PCE'	Every pallet contains three packaging items
PCI+17+GGF. VERSANDMARKIERUNG++6J:::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 1'	Identification: packaging unit 1 (pallet A)
GIN+AW+PACKSTÜCK 2	Packaging unit 2 is contained (stands on pallet A)
+PACKSTÜCK 3	Packaging unit 3 is contained (stands on pallet A)
+PACKSTÜCK 4'	Packaging unit 4 is contained (stands on pallet A)
COD+NO'	Trigger for information on individual handling unit
QTY+52:60:PCE'	The pallet contains 60 pieces.
PCI+17+GGF. VERSANDMARKIERUNG++6J:::5'	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 5'	Identification: packaging unit 5 (pallet A)
GIN+AW+PACKSTÜCK 6	Packaging unit 6 is contained (stands on pallet A)
+PACKSTÜCK 7	Packaging unit 7 is contained (stands on pallet A)
+PACKSTÜCK 8'	Packaging unit 8 is contained (stands on pallet A)
COD+NO'	Trigger for information on individual handling unit
QTY+52:60:PCE'	The pallet contains 60 pieces.
PAC+2+:37:AAD+DECKEL A:::92'	2x lid A reusable packaging of supplier (auxiliary packaging)
CPS+2++1'	Inner packaging
PAC+6+:35:AAD+EINLEGEBODEN A:::92'	6x shelf A reusable packaging of supplier
QTY+52:20:PCE'	Contained quantity 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J:::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2	Identification: packaging unit 2
+PACKSTÜCK 3	Identification: packaging unit 3
+PACKSTÜCK 4	Identification: packaging unit 4
+PACKSTÜCK 6	Identification: packaging unit 6
+PACKSTÜCK 7'	Identification: packaging unit 7
GIN+ML+PACKSTÜCK 8'	Identification: packaging unit 8
LIN+++SNR 1:IN'	SNR 1
QTY+12:120:PCE'	Delivery quantity: 120 pieces (6x 20)
RFF+AAU:1234567:1'	Delivery note 1234567, item 1
DTM+171:20130709:102'	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815'	Frame contract 0815

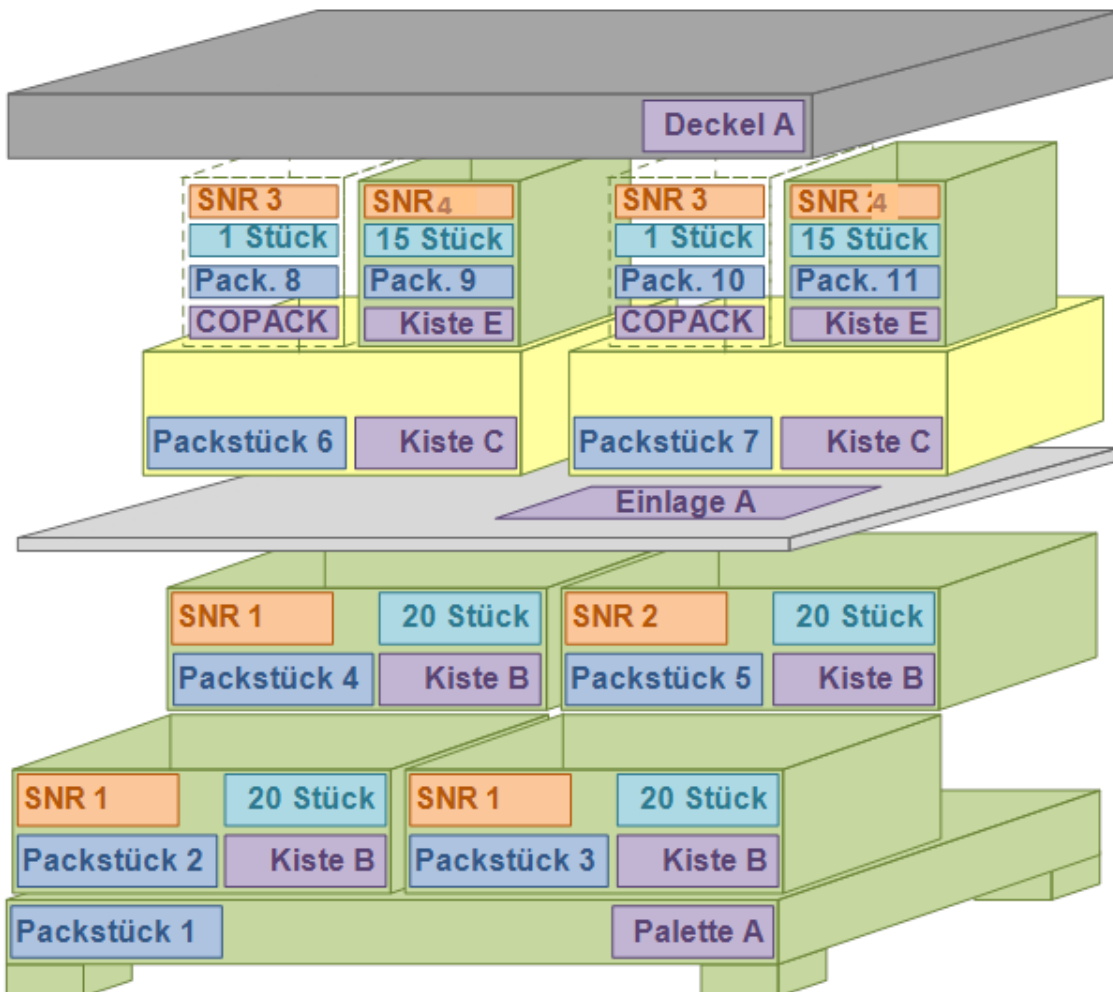
1.20. Shipment: mixed handling unit pallet
 different article numbers, different packaging including virtual packaging COPACK



CPS+1++3'	Outer packaging level
PAC+1+:35:AAC+PALETTE A::92'	1 pallet A, reusable packaging of customer
QTY+189:2:PCE'	2 packages contained
PCI+17+++5J::5'	Optional shipping mark and type of label (mixed label)
GIN+ML+PACKSTÜCK 1'	Identification of packaging unit 1
GIN+AW+PACKSTÜCK 2 +PACKSTÜCK 3'	Packaging unit 2 is contained Packaging unit 3 is contained
PAC+1+:37:AAC+DECKEL A::92'	1 lid A of pallet
CPS+2++2'	Intermediate packaging level
PAC+1+:35:AAC+KISTE C::92'	1 box C
QTY+189:2:PCE'	2 packages contained, a COPACK and an actual package.
PCI+17+++5J::5'	Optional shipping mark and type of label (mixed label)
GIN+ML+PACKSTÜCK 2'	Identification of packaging unit 2
GIN+AW+PACKSTÜCK 4 +PACKSTÜCK 5'	Packaging unit 4 is contained Packaging unit 5 is contained
PAC+1+:37:AAC+DECKEL C::92'	1 lid C of box C

CPS+3++1'	Inner packing level
PAC+1+:35:AAC+COPACK::92'	1 COPACK – virtual packaging
QTY+52:1:PCE'	Filling quantity: 1 piece
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 4'	Identification of packaging unit 4
LIN+++SNR3:IN'	Article number 3
QTY+12:1:PCE'	Delivery quantity: 1 piece
RFF+ON:0815'	Frame contract 0815
CPS+4++1'	Inner packing level
PAC+1+:35:AAC+KISTE E::92'	1 box E
QTY+52:15:PCE'	Filling quantity: 15 piece
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 5'	Identification of packaging unit 5
LIN+++SNR2:IN'	Article number 2
QTY+12:15:PCE'	Delivery quantity: 15 piece
RFF+ON:0816'	Frame contract 0816
CPS+5++1'	Inner packing level
PAC+1+:35:AAC+KISTE B::92'	1 box B
QTY+52:20.00:PCE'	Filling quantity: 20 piece
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 3'	Identification of packaging unit 3
PAC+1+:37:AAC+DECKEL B::92'	1 lid C of box B
LIN+++SNR 1:IN'	Article number 1
QTY+12:20:PCE'	Delivery quantity: 20 pieces
RFF+ON:0817'	Frame contract 0817

1.21. Shipment: mixed handling unit pallet with diverse KLT, of which two different COPACK different article numbers, different packaging



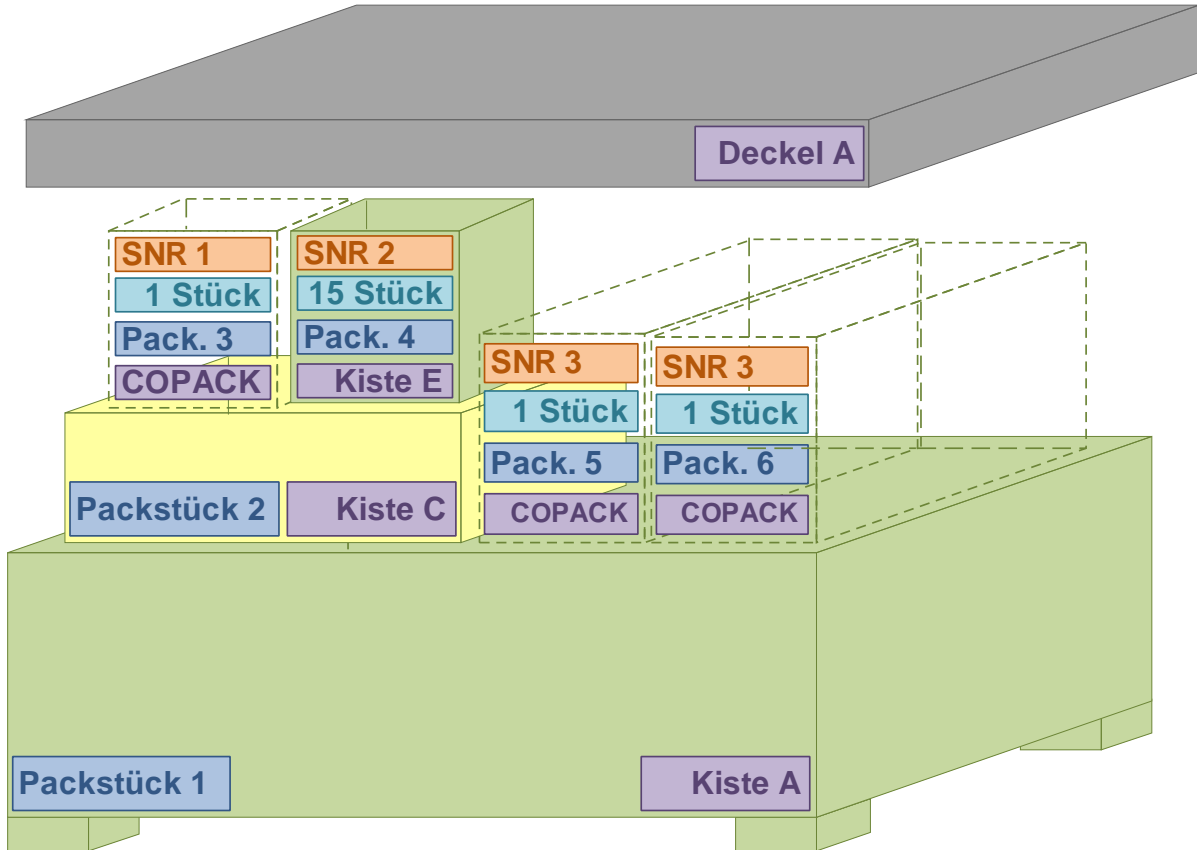
CPS+1++3'	Outer packaging level
PAC+1+:35:AAC+PALETTE A:::92'	1 pallet A
QTY+189:6:PCE'	6 packages contained
PCI+17+++5J:::5'	Optional shipping mark and type of label (mixed label)
GIN+ML+PACKSTÜCK 1'	Identification of packaging unit 1
GIN+AW+PACKSTÜCK 2	Packaging unit 2 is contained
+PACKSTÜCK 3	Packaging unit 3 is contained
+PACKSTÜCK 4	Packaging unit 4 is contained
+PACKSTÜCK 5	Packaging unit 5 is contained
+PACKSTÜCK 6'	Packaging unit 6 is contained
GIN+AW+PACKSTÜCK 7'	Packaging unit 7 is contained
PAC+1+:37:AAC+DECKEL A:::92'	1 lid A of pallet
PAC+1+:37:AAC+EINLAGE A:::92'	1 insert A of pallet

CPS+2++2 '	Intermediate packaging level
PAC+2+:35:AAC+KISTE C::92 '	2x box C
QTY+189:2:PCE '	2 packages contained Packaging unit 6 and packaging unit 7 each contain two inner packaging units, a COPACK and a physical package.
PCI+17+++5J::5 '	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 6 '	Identification of packaging unit 6
GIN+AW+PACKSTÜCK 8	Packaging unit 8 is contained
+PACKSTÜCK 9 '	Packaging unit 9 is contained
PCI+17+++5J::5 '	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 7 '	Identification of packaging unit 7
GIN+AW+PACKSTÜCK 10+PACKSTÜCK 11 '	Packaging unit 10 and packaging unit 11 are contained
CPS+3++1 '	Inner packing level
PAC+2+:35:AAC+KISTE B::92 '	2x box B
QTY+52:15:PCE '	Quantity per package 15 pieces
PCI+17+++1J::5 '	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2	Identification of packaging unit 2
+PACKSTÜCK 3	Identification of packaging unit 3
+PACKSTÜCK 4 '	Identification of packaging unit 4
LIN+++SNR 4:IN '	part number: SNR4
QTY+12:30:PCE '	Delivery quantity: 30 pieces
RFF+AAU:123456789:1 '	Delivery note no. and item
RFF+ON:RAHMENVERTRAG0817 '	Order number
CPS+4++1 '	Inner packing level
PAC+2+:35:AAC+COPACK::92 '	2 x COPACK
QTY+52:1:PCE '	Quantity per package 1 pieces
PCI+17+++1J::5 '	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 8+PACKSTÜCK 10 '	Identification of packaging units
LIN+++SNR 3:IN '	Article number SNR3
QTY+12:2:PCE '	Delivery quantity: 2 pieces
RFF+AAU:123456789:4 '	Delivery note no. and item
RFF+ON:RAHMENVERTRAG0816 '	Order number Rahmenvertrag0816

CPS+5++1'	Inner packing level
PAC+3+:35:AAC+KISTE B::92'	1 box KISTE B
QTY+52:20:PCE'	Quantity per package 20 pieces
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2+ PACKSTÜCK 3+	Identification of packaging unit 2 ..4
+PACKSTÜCK 4'	
LIN+++SNR 1:IN'	Article number SNR 1
QTY+12:60:PCE'	Delivery quantity: 60 pieces
RFF+AAU:123456789:3'	Delivery note no. and item
RFF+ON:RAHMENVERTRAG0817'	Frame contract frame contract 0817
CPS+6++1'	Inner packing level
PAC+1+:35:AAC+KISTE B::92'	1 x KISTE B
QTY+52:20:PCE'	Contained quantity 20 pieces
PCI+17+++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 5'	Identification of packaging unit 5
LIN+++SNR 2:IN'	Article number SNR2
QTY+12:20:PCE'	Delivery quantity: 20 pieces
RFF+ON:RAHMENVERTRAG0820'	Frame agreement frame agreement0820
RFF+AAU:123456789:2'	Delivery note no. and item
DTM+171:20131201'	Delivery note date 2013-12-01

1.22. Shipment: mixed handling unit multilevel with COPACKS
 Different article numbers, different packaging

Multilevel: With VDA 4987, it is possible to clearly map more than two packaging hierarchies. This example maps a three-level hierarchy.



CPS+1++3'	Outer packaging level
PAC+1+:35:1+AAK:KISTE A::92'	1 box A
QTY+189:3:PCE'	3 packages contained Packaging unit 1 contains 3 other packaging units. An intermediate packaging (packaging unit 2 with a COPACK and another package) and two other COPACKs.
PCI+17+++5J:::5'	Optional shipping mark and type of label (mixed label)
GIN+ML+PACKSTÜCK 1'	Identification of packaging unit 1
GIN+AW+PACKSTÜCK 2	Packaging unit 2 is contained
+PACKSTÜCK 5	Packaging unit 5 is contained
+PACKSTÜCK 6'	Packaging unit 6 is contained
PAC+1+:37:AAK+DECKEL A:::92'	1 lid A of pallet

CPS+2++2 '	Intermediate packaging level
PAC+2+:35:AAC+KISTE C::92	1 box C
QTY+189:2:PCE '	2 inner packages contained Packaging unit 2 contains a COPACK and an additional packaging unit 4
PCI+17+++5J::5 '	Optional shipping mark and type of label (mixed label)
GIN+ML+PACKSTÜCK 2 '	Identification of packaging unit 2
GIN+AW+PACKSTÜCK 3	Packaging unit 3 is contained
+PACKSTÜCK 4 '	Packaging unit 4 is contained
CPS+3++1 '	Inner packing level
PAC+1+:35:AAC+COPACK::92 '	1x COPACK
QTY+52:1:PCE '	Contained quantity 1 piece
PCI+17+++1J::5 '	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 3 '	Identification of packaging unit 3
LIN+++SNR 1:IN '	Article number 1
QTY+12:1:PCE '	Delivery quantity: 1 piece
RFF+AAU:LF1:10 '	Delivery note LF1, item 10
RFF+ON:RAHMENVERTRAG0815 '	Frame contract frame contract0815
CPS+4++1 '	Inner packing level
PAC+1+:35:AAC+KISTE E::92 '	1x box E
QTY+52:15:PCE '	Quantity per package 15 pieces
PCI+17+++1J::5 '	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 4 '	Identification of packaging unit 4
LIN+++SNR2:IN '	Article number 2
QTY+12:15:PCE '	Delivery quantity: 15 pieces
RFF+AAU:LF1:20 '	Delivery note LF1, item 20
RFF+ON:RAHMENVERTRAG0813 '	Frame contract frame contract0813
CPS+5++1 '	Inner packing level
PAC+2+:35:AAC+COPACK::92 '	2x COPACK
QTY+52:1:PCE '	Contained quantity 1 piece
PCI+17+++1J::5 '	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 5	Identification of packaging unit 5
+PACKSTÜCK 6 '	Identification of packaging unit 6
LIN+++SNR3:IN '	Article number 3

QTY+12:2:PCE'	Delivery quantity: 2 pieces
RFF+AAU:LF1:30'	Delivery note LF1, item 30
DTM+171:20131201'	Delivery note date 2013-12-01
RFF+ON:RAHMENVERTRAG0811'	Frame contract frame contract0811

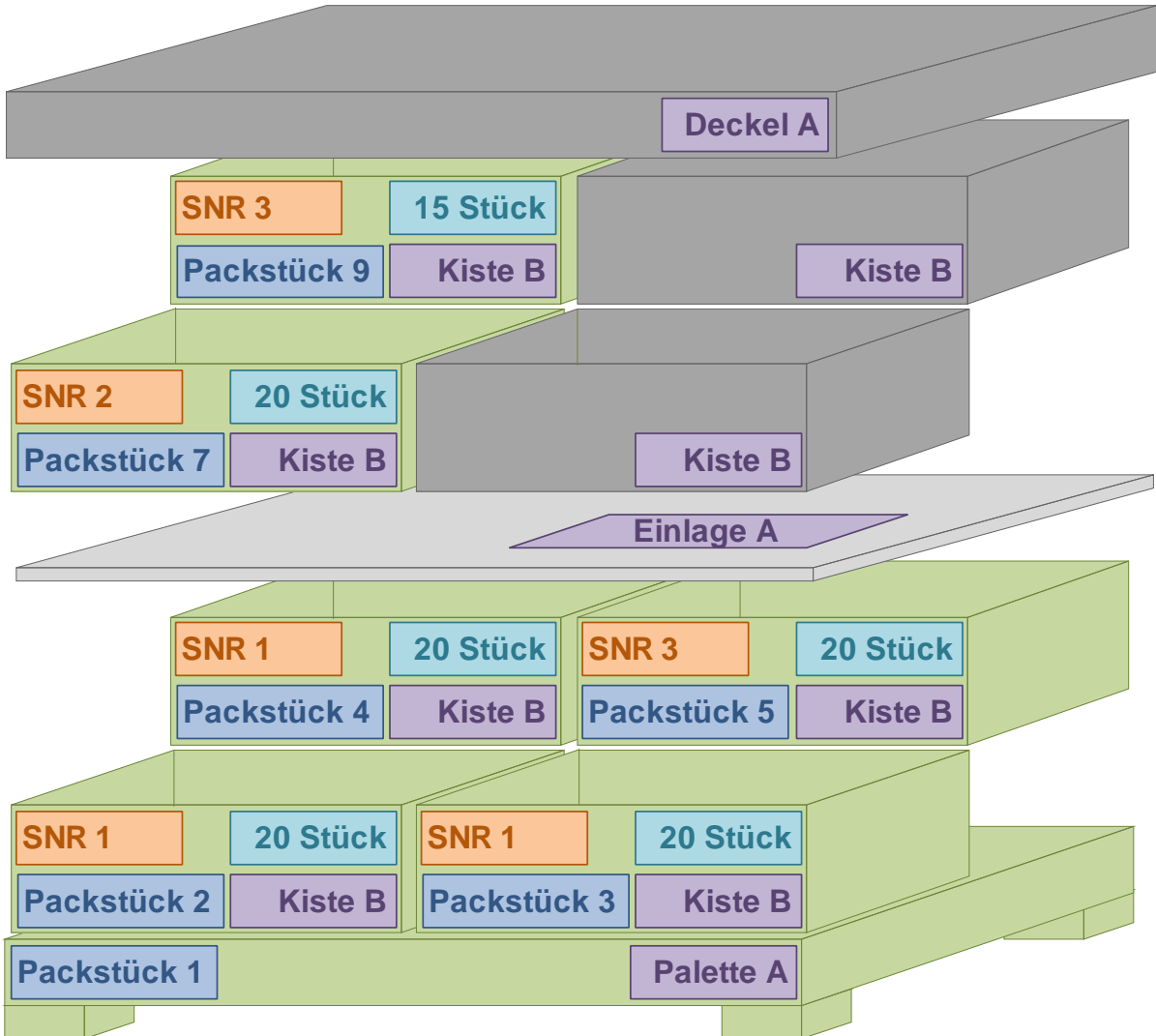
1.23. Shipment: trucks with loose tires



CPS+1++4 '	Simplified handling unit
PAC+1+:35: AAC+COPACK::92 '	1 COPACK
QTY+52:20:PCE '	Contained quantity 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5 '	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 1 '	Identification: packaging unit 1
LIN+++SNR 1:IN '	SNR 1
QTY+12:20:PCE '	Delivery quantity: 20 pieces
RFF+AAU:1234567:1 '	Delivery note 1234567, item 1
DTM+171:20130709:102 '	Date of delivery note 09.07.2013
RFF+ON:RAHMENVERTRAG0815 '	Frame contract 0815

1.24. Shipment: mixed handling unit with empty containers for stabilisation
Different article numbers, same packaging

Note: Pure empties deliveries must be communicated in a separate empty container advice (e.g. VDA 4943).

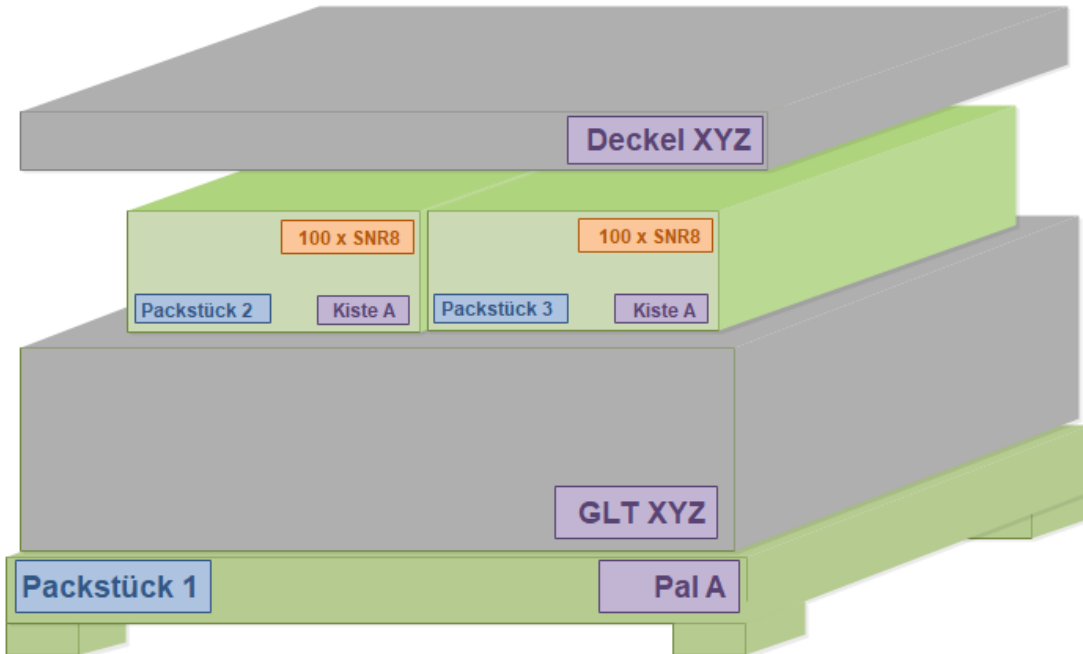


CPS+1++3'	Outer packing / handling unit
PAC+1+:35:AAE+PALETTE A::92'	1x pallet A reusable packaging of service provider
QTY+189:6:PCE'	6 inner packages contained
PCI+17+GGF. VERSANDMARKIERUNG++5J::5'	Optional shipping mark and type of label (mixed label)
GIN+ML+PACKSTÜCK 1'	Identification: packaging unit 1
GIN+AW+PACKSTÜCK 2	Package 2 is contained
+PACKSTÜCK 3	Packaging unit 3 is contained
+PACKSTÜCK 4	Packaging unit 4 is contained
+PACKSTÜCK 5	Packaging unit 5 is contained
+PACKSTÜCK 7'	Packaging unit 7 is contained
GIN+AW+PACKSTÜCK 9'	Packaging unit 9 is contained
PAC+1+:37:AAE+DECKEL A::92'	1x lid A reusable packaging of service provider (auxiliary packaging)
PAC+1+:37:AAE+EINLAGE A::92'	1x insert A reusable packaging of service provider (auxiliary packaging)
PAC+2+:37:AAE+KISTE B::92'	2x box B reusable packaging of service provider (empty container as auxiliary packaging)
CPS+2++1'	Inner packaging
PAC+3+:35:AAE+KISTE B::92'	3x box B reusable packaging
QTY+52:20:PCE'	Contained quantity 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2	Identification: packaging unit 2
+PACKSTÜCK 3	Identification: packaging unit 3
+PACKSTÜCK 4'	Identification: packaging unit 4
LIN+++SNR 1:IN'	SNR 1
QTY+12:60:PCE'	Delivery quantity: 60 pieces (3x 20)
RFF+AAU:L00010:1'	Delivery note L00010, item 1
RFF+ON:RAHMENVERTRAG0815'	Frame contract frame contract0815
CPS+3++1'	Inner packaging
PAC+1+:35:AAE+KISTE B::92'	1x box B reusable packaging of service provider
QTY+52:20:PCE'	Contained quantity 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 7'	Identification: packaging unit 7
LIN+++SNR 2:IN'	Item 2 SNR2
QTY+12:20:PCE'	Delivery quantity: 20 pieces (1x 20)

RFF+AAU:L00010:3'	Delivery note L00010, item 3
RFF+ON:RAHMENVERTRAG0814'	Frame contract frame contract0814
CPS+4++1'	Inner packaging
PAC+1+:35:AAE+KISTE B::92'	1x box B reusable packaging of service provider
QTY+52:20:PCE'	Contained quantity 20 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 5'	Identification: packaging unit 7
PAC+1+:35:AAE+KISTE B::92'	1x box B reusable packaging of service provider
QTY+52:15:PCE'	Contained quantity 15 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 9'	Identification: packaging unit 9
LIN+++SNR 3:IN'	Item 3 SNR3
QTY+12:35:PCE'	Delivery quantity: 35 pieces (15 + 20)
QTY+11:20:PCE'	Partial delivery quantity: 20 Stück
RFF+AAU:L00010:2'	Delivery note L00010, item 2
RFF+ON:RAHMENVERTRAG0817'	Frame contract frame contract0817
CPS+5++1'	Inner packaging
PAC+1+:35:AAE+KISTE B::92'	1x box B reusable packaging of service provider
QTY+52:15:PCE'	Contained quantity 15 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5'	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 9'	Identification: packaging unit 9
LIN+++SNR 3:IN'	Item 3 SNR3
QTY+12:35:PCE'	Delivery quantity: 35 pieces (15 + 20)
QTY+11:15:PCE'	Partial delivery quantity: 20 Stück
RFF+AAU:L00010:2'	Delivery note L00010, item 2
RFF+ON:RAHMENVERTRAG0817'	Item 3 SNR3

1.25. Shipment: homogeneous TLU; an LLC is used as auxiliary packaging to simulate a 2-layer packaging unit instead of a 3-layer TLU.

The structure described below is technically feasible; it shall be used, however, only if allowed in the customer's packaging instructions.



CPS+1++3 '	Outer package / TLU
PAC+1+:35 +PAL A::91 '	1 x pallet A,
QTY+189:2:PCE '	Contains 2 inner packaging units
PCI+17+GGF. VERSANDMARKIERUNG++6J::5 '	Optional shipping mark and type of label (master label)
GIN+ML+PACKSTÜCK 1 '	Package identification: PACKSTÜCK 1
GIN+AW+PACKSTÜCK 2+PACKSTÜCK 3 '	Contained inner packages: PACKSTÜCK 2 and 3
PAC+1+:37+GLT XYZ::91 '	Auxiliary packaging: 1 x GLT XYZ
PAC+1+:37+DECKEL XYZ::91 '	Auxiliary packaging: 1 x DECKEL XYZ
CPS+2++1 '	Inner packaging
PAC+2+:35:AAD+KISTE B::91 '	2 x box KISTE B, supplier's reusable packaging
QTY+52:100:PCE '	Quantity per pack: 100 pieces
PCI+17+GGF. VERSANDMARKIERUNG++1J::5 '	Optional shipping mark and type of label (single label)
GIN+ML+PACKSTÜCK 2+PACKSTÜCK 3 '	Identification: PACKSTÜCK 2 .. 3
LIN+++SNR 1:IN '	SNR 1
QTY+12:200:PCE '	Delivery quantity: 200 pieces
RFF+AAU:1234567:1 '	Delivery note number 1234567, line 1
DTM+171:20180709:102 '	Delivery note date
RFF+ON:RAHMENVERTRAG0815 '	Order/frame contract number: Rahmenvertrag0815

2 Rules for the sequence of CPS segments

Inner packaging units identified with CPS+++1

CPS+++1

CPS+++1 OK

CPS+++1

CPS+++2 OK

CPS+++1

CPS+++3 OK

CPS+++1

CPS+++4 OK

Intermediate packaging levels identified with CPS+++2

CPS+++2

CPS+++1 OK

CPS+++2

CPS+++2 OK

~~CPS+++2~~

~~CPS+++3~~ not possible

~~CPS+++2~~

~~CPS+++4~~ not possible

Outer packaging units identified with CPS+++3

CPS+++3

CPS+++1 OK

CPS+++3

CPS+++2 OK

~~CPS+++3~~

~~CPS+++3~~ not possible

~~CPS+++3~~

~~CPS+++4~~ not possible

Simplified transport loading units (e.g. LLC) identified with CPS+++4

~~CPS+++4~~

~~CPS+++1~~ not possible

~~CPS+++4~~

~~CPS+++2~~ not possible

CPS+++4

CPS+++3 OK

CPS+++4

CPS+++4 OK