Guidelines & message examples
Volvo's subset of DESADV D07A
(GBSG11 – Batch deliveries)

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CONTENTS

GENERAL INFORMATION

Global DESADV specifications

The specifications regarding Global DESADV can be obtained from the Internet:

- The Joint Automotive Industries (JAI) Global DESADV. Based on EDIFACT Directory, D07A. – Odette International Homepage

- The Swedish Odette subset of Global DESADV – www.odette.se.

- The Volvo profile of the Global DESADV – www.volvo.com/edi (click specifications).

The purpose and basic function of the message

The purpose of the despatch advice is for the "Ship from" to provide the "Ship to" with detailed information regarding the actual content of the shipment.

The message is based upon the definition of a despatch as a specified amount of goods sent by a specified "Ship from" to a specified "Ship to" on a specific occasion. Notification is to be given of deliveries to all Volvo units.

The message gives the following information:
- The actual time for despatch.
- Specific information concerning transportation.
- The actual packages in the despatch.
- The contents of the despatch.
- The necessary documentation for customs clearance.

Differences between Volvo's Global DESADV D07A 1.0 and D07A 1.1

- SG8 EQD Equipment Details added as Dependent segment. Qualifiers TE = Trailer ID and CN = Container ID

Differences between Volvo's Global DESADV D00A and D07A

- SG2 NAD.3035. New code BY = Buyer.

- SG2 NAD.3035. New code UD = Ultimate Customer.

- SG2 NAD.3035. New code DP = Delivery Party.

- New segment SG5 TOD (Terms of delivery) added.

- SG6 TDT.8179 changed to Not used

- SG6 TDT.C220 changed to Optional

- SG6 TDT.8067 changed to Required

- SG20 LOC segment changed to Required

- SG13 RFF.1154 changed to an..22

- SG15 GIN.7402 changed to an..22 (when GIN.7405=ML)

Additions to Volvo's Global DESADV (D00A), document date 2008-04-18

- SG18 RFF.1153. New code CR = Volvo's module reference number (Sequence) or reference to KANBAN message number (KANBAN).

- SG15 GIN.7405. New code AL = Kanban card number (from KANBAN message).

Differences between Volvo's Global DESADV and the Volvo EDIFACT message (D96A, v4)

- Party Consignee, NAD 3035, value CN is changed to Ship To, NAD 3035, value ST.

- Party Consignor, NAD 3035, value CZ is changed to Ship From, NAD 3035, value SF.

- Transport document reference, RFF 1153. New qualifiers added for use in US, AWB and BM.

- Carrier, NAD 3055, new Agency code, 167. Used in US when SCAC-code is applied.

- TDT-segment. New segment for use in US after special agreement.

- PCI 7511. New codes added, 1J, 5J, 6J, to be used when license plate is required.

- PCI 3055. New Agency codes added, 5 and 10.

- RFF 1153 Reference to Outer Package (Handling Unit). Code changed from AAT to ACI.

- GIR 7405 Marking/Label number is moved to GIN 7405.

- LIN 1222 changed to "Not used".

- ALI-segment changed from required to dependent.

Creation of a Despatch Advice

A despatch advice shall state the actual contents of a despatch.
Notification must therefore not be made until the actual loading procedure is completed and no later than one hour after the goods have been despatched.
All articles from one "Ship from" to one "Place of discharge" on one and the same delivery occasion shall be specified on one and the same despatch advice (Global DESADV).
In the event that the quantity of goods defined in a particular despatch is too large to be accommodated in its entirety on one vehicle/trailer/container etc., it is necessary to redefine the despatch so that it relates only to the vehicle/trailer/container etc. on which it is being transported.

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Detailed Information about Packaging

<u>Package and Handling Units</u>

Two key expressions concerning the packaging:

Package Unit (S-Label)
A package unit is a unit in which the article itself is loaded. The package unit is always placed on a Non Simplified Handling Unit.

Handling Unit
- **Simplified Handling Unit (S-Label)**
  Consists of one package which is a handling unit at the same time.

- **Non Simplified Handling Unit**
  Consists of one or more packages which are not handling units at the same time.

  The Non Simplified Handling Unit can be of two kinds:
  - o **Homogenous Handling Unit (M-Label)**
    Consists of one unique article number.

  - o **Mixed Handling Unit (G-Label)**
    Consists of more than one article number.

For S, M and G labels maximum 9 numeric positions can be used (In RFF+ACI.1154 and in GIN+ML.7402).

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Rules for different packing situations

CPS loop if:
- Several article numbers to the same place of discharge (LOC+159).
- Multiple purchase order numbers for one article number.

PAC loop if:
- The same article number is packed in different types of packages.
- The same article number is packed in the same type of package with different quantities.

PCI loop if:
- One article number is packaged into more than one handling unit.

Diagram boxes:
SG10 — CPS — SG17 — LIN
SG11 — PAC — QTY
SG13 — PCI
SG14 — RFF
SG15 — GIR / GIN
PIA, QTY, ALI, GIN, MOA
SG18 — RFF — DTM
SG20 — LOC
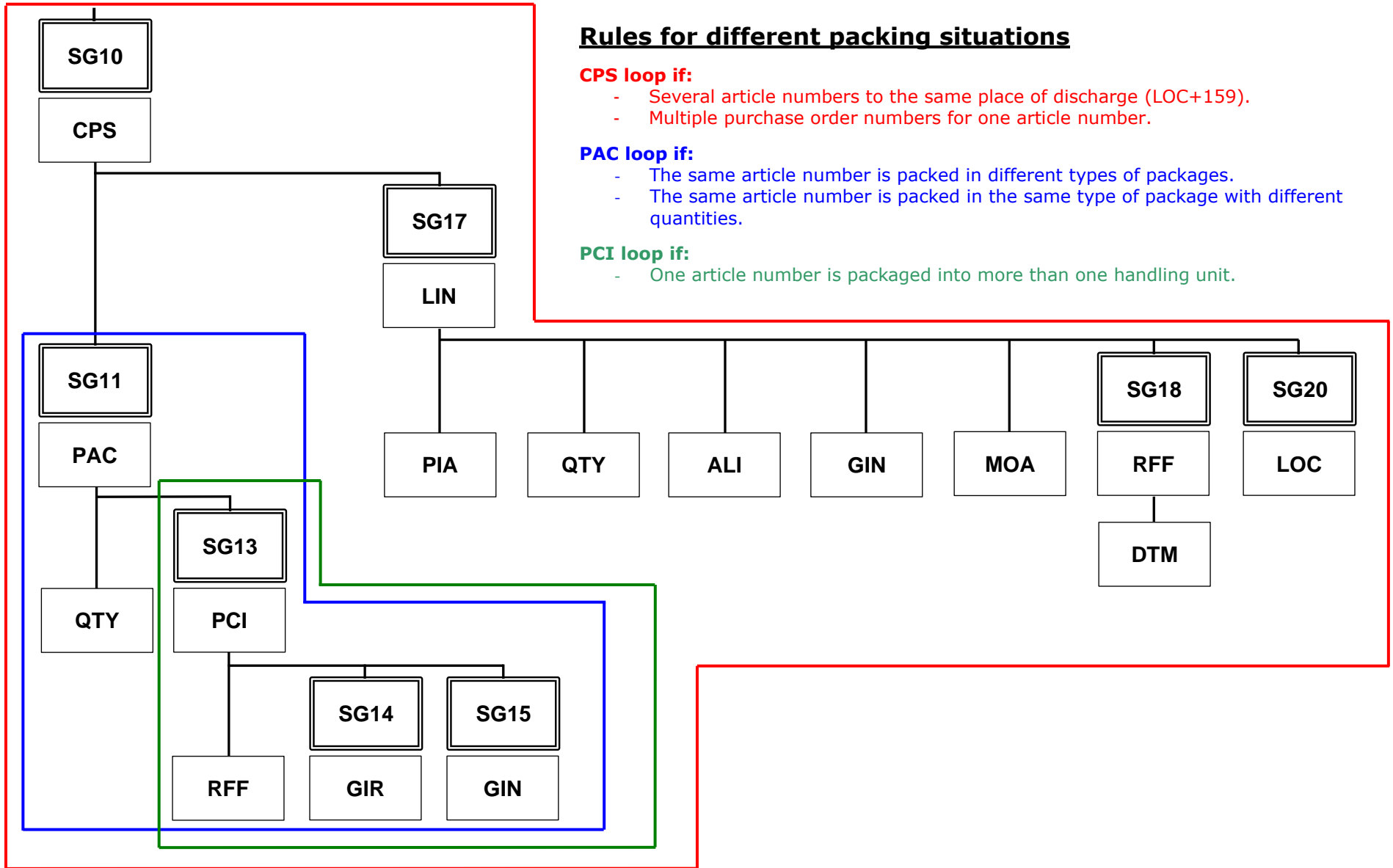
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EXAMPLES

Global DESADV – Simplified Handling Unit (S)

This example is a despatch advice (simplified handling unit delivery) message from supplier/seller 23456 to Volvo's plant 1001.

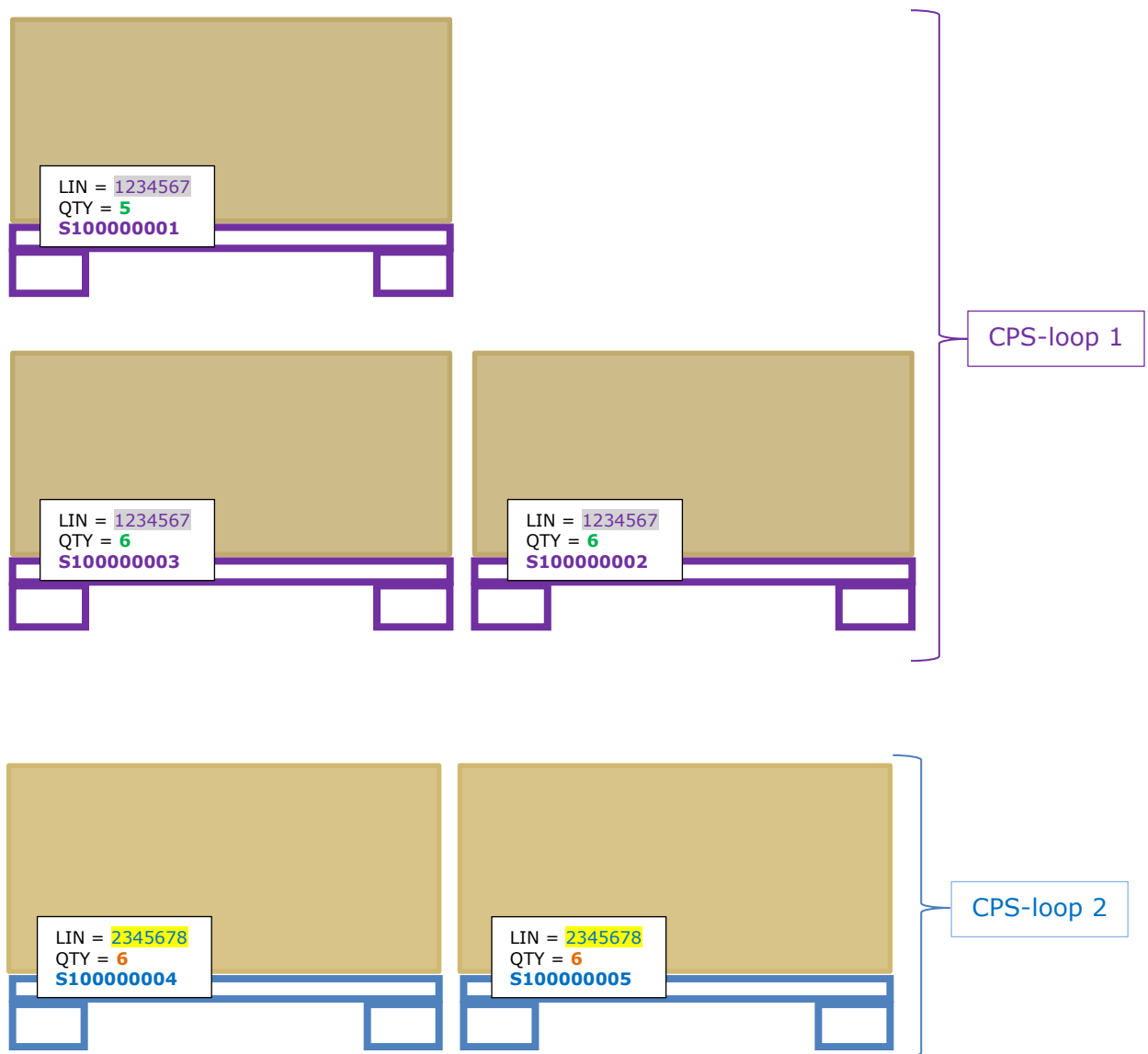| *** Initial service segment according to ISO/EDIFACT ***	
UNH+1+DESADV:D:07A:UN:GBSG11'	Service segment – Message header
BGM+351+100001'	Despatch Advice Number
DTM+137:201305160854:203'	Despatch Date and Time
MEA+AAX+AAD+KGM:322'	Consignment measurement – Total gross weight
MEA+AAX+ABJ+MTQ:2.992'	Consignment measurement – Volume
RFF+AAS:65000497'	Transport Document Number
NAD+ST+1001::92'	Ship To
LOC+11+020::92'	Place of Discharge
NAD+BY+1020::92 ++VOLVO LASTVAGNAR AB++GÖTEBORG++40508+SE'	Buyer
NAD+UD+1001::92'	Ultimate Customer
NAD+SE+23456::92 ++PARTNER SWEDEN AB+Box 123+SOLLENTUNA++19127+SE'	Seller
NAD+CA+TRANSP::92'	Carrier coded
NAD+SF+12345::92'	Ship From
NAD+DP+56789::92	Delivery Party
TOD+FCA'	Terms of delivery
CPS+1++1'	Line number for inner package and 1 article number
PAC+1++NIL::92'	Number of Packages, Package Type
QTY+52:5:C62'	Quantity of Articles in the Package
PCI++++**S**::10'	Handling Unit Category (Simplified)
GIN+ML+**10000001**'	Package Label Number
PAC+2++NIL::92'	Handling Unit Category (Simplified)
QTY+52:6:C62'	Quantity of Articles in the Package
PCI++++**S**::10'	Handling Unit Category (Simplified)
GIN+ML+**10000002**+**10000003**'	Package Label Number
LIN+++1234567:IN'	Buyer's Article number
QTY+12:**17**:C62'	Despatch Quantity
ALI+SE'	Country of Origin
RFF+ON:435912345020'	Buyer's Order number
LOC+159+F-11 020::92'	Additional Internal Destination
CPS+2++1'	Line number for inner package and 1 article number
PAC+2++NIL::92'	Number of Packages, Package Type
QTY+52:6:C62'	Quantity of Articles in the Package
PCI++++**S**::10'	Handling Unit Category (Simplified)

GIN+ML+**10000004**+**10000005**'	Package Label Number
LIN+++2345678:IN'	Buyer's Article number
QTY+12:12:C62'	Despatch Quantity
ALI+SE'	Country of Origin
RFF+ON:435912345020'	Buyer's Order number
LOC+159+F-11 020::92'	Additional Internal Destination
UNT+40+1'	Service Segment – Message trailer
*** **Trailer service segment according to ISO/EDIFACT** ***	

Simplified – Loaded on the handling units

LIN = 1234567
QTY = 5
S100000001

LIN = 1234567
QTY = 6
S100000003

LIN = 1234567
QTY = 6
S100000002

CPS-loop 1

LIN = 2345678
QTY = 6
S100000004

LIN = 2345678
QTY = 6
S100000005

CPS-loop 2

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Simplified Handling Unit – Transport label example

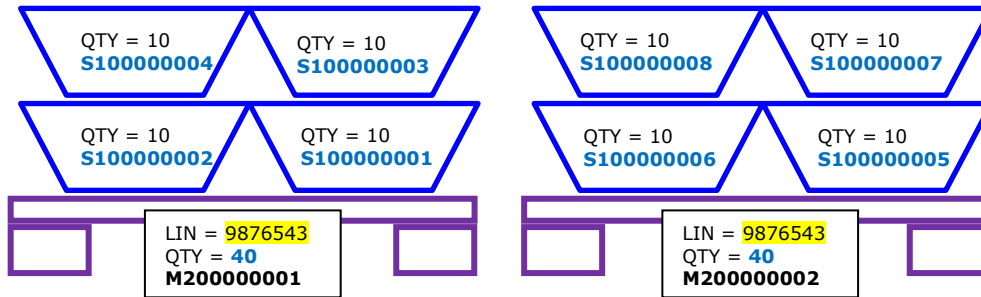| Receiver **VOLVO LASTVAGNAR AB TUVE**		Dock / Gate **F-11 020**		
Advice Note No (N) **100001** ‖‖‖‖‖‖‖‖‖‖‖		Supplier name & address **Supplier**		
		Net Weight (Kg) **6.0**	Gross Weight (Kg) **27.0**	No. of boxes **1**
Part Number (P) **1234567** ‖‖‖‖‖‖‖‖‖‖‖				
Quantity (Q) **6** ‖‖‖‖‖‖‖		Description **PART DESCRIPTION**		
		Logistic Reference		
Supplier (V) **23456** ‖‖‖‖‖‖‖‖‖‖‖				
		Date **D130516**	Eng. Change	
Serial Number (S) **10000002** ‖‖‖‖‖‖‖‖‖‖‖		Batch no (H)		

1 Simplified Handling Unit (S) Label attached to the pallet.

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Global DESADV – Homogenous Handling Unit (M)

This example is a despatch advice (homogenous handling unit delivery) message from supplier/seller 23456 to Volvo's plant 1001.

*** Initial service segment according to ISO/EDIFACT ***	
UNH+1+DESADV:D:07A:UN:GBSG11'	Service segment – Message header
BGM+351+100001'	Despatch Advice Number
DTM+137:201305160854:203'	Despatch Date and Time
MEA+AAX+AAD+KGM:108.4'	Consignment measurement – Total gross weight
MEA+AAX+ABJ+MTQ:2.992'	Consignment measurement – Volume
RFF+AAS:65000497'	Transport Document Number
NAD+ST+1001::92'	Ship To
LOC+11+020::92'	Place of Discharge
NAD+BY+1020::92 ++VOLVO LASTVAGNAR AB++GÖTEBORG++40508+SE'	Buyer
NAD+UD+1001::92'	Ultimate Customer
NAD+SE+23456::92 ++PARTNER SWEDEN AB+Box 123+SOLLENTUNA++19127+SE'	Seller
NAD+CA+TRANSP::92'	Carrier coded
NAD+SF+12345::92'	Ship From
NAD+DP+56789::92	Delivery Party
TOD+FCA'	Terms of delivery
CPS+1++1'	Line number for inner package and 1st article number
PAC+8++100780::92'	Number of Packages, Package Type
QTY+52:10:C62'	Quantity of Articles in the Package
PCI++++**M**::10'	Handling Unit Category (Homogenous)
RFF+ACI: **200000001**'	Reference to Handling Unit.
GIN+ML+**100000001**+**100000002**+**100000003**+**100000004**'	Package Label Number
PCI++++**M**::10'	Handling Unit Category (Mixed)
RFF+ACI:**200000002**'	Reference to Handling Unit.
GIN+ML+**100000005**+**100000006**+**100000007**+**100000008**'	Package Label Number
LIN+++9876543:IN'	Buyer's Article number
QTY+12:**80**:C62'	Despatch Quantity
ALI+PL'	Country of Origin
RFF+ON:436012345020'	Buyer's Order number
LOC+159+F-11 020::92'	Additional Internal Destination
UNT+30+1'	Service Segment – Message trailer
*** Trailer service segment according to ISO/EDIFACT ***	

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Homogenous – Loaded on the handling units

QTY = 10 S100000004	QTY = 10 S100000003
QTY = 10 S100000002	QTY = 10 S100000001

LIN = 9876543
QTY = 40
M200000001

QTY = 10 S100000008	QTY = 10 S100000007
QTY = 10 S100000006	QTY = 10 S100000005

LIN = 9876543
QTY = 40
M200000002

Homogenous Handling Unit – Transport label example

Receiver	Dock / Gate
VOLVO LASTVAGNAR AB TUVE	**F-11 020**

Advice Note No (N)	Supplier name & address		
100001	**Supplier**		
	Net Weight (Kg) 24.0	Gross Weight (Kg) 54.2	No. of boxes 4

Part Number (P)
9876543

Quantity (Q) 40	Description **PART DESCRIPTION**
	Logistic Reference

Supplier (V) 23456	
	Date **D130516** Eng. Change

Serial Number (M) 200000001	Batch no (H)

2 Homogenous Handling Unit (M) Label attached to the pallet.

Receiver	Dock / Gate
VOLVO LASTVAGNAR AB TUVE	**F-11 020**

Advice Note No (N)	Supplier name & address		
100001	**Supplier**		
	Net Weight (Kg) 6.0	Gross Weight (Kg) 8.3	No. of boxes 1

Part Number (P)
9876543

Quantity (Q) 10	Description **PART DESCRIPTION**
	Logistic Reference

Supplier (V) 23456	
	Date **D130516** Eng. Change

Serial Number (S) 100000001	Batch no (H)

3 Corresponsing Package Unit (S) Label attached to the box (that is placed on the pallet).
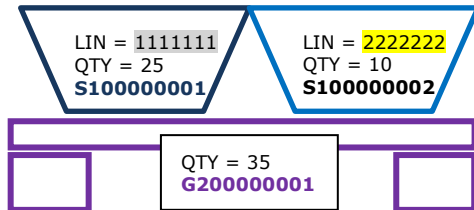
Global DESADV – Mixed Handling Unit (G)

This example is a despatch advice (mixed handling unit delivery) message from supplier/seller 99999 to Volvo's plant 1001.

*** Initial service segment according to ISO/EDIFACT ***	
UNH+1+DESADV:D:07A:UN:GBSG11'	Service segment – Message header
BGM+351+100001'	Despatch Advice Number
DTM+137:201305160854:203'	Despatch Date and Time
MEA+AAX+AAD+KGM:60.6'	Consignment measurement – Total gross weight
MEA+AAX+ABJ+MTQ:2.992'	Consignment measurement – Volume
RFF+AAS:65000497'	Transport Document Number
NAD+ST+1001::92'	Ship To
LOC+11+020::92'	Place of Discharge
NAD+BY+1020::92 ++VOLVO LASTVAGNAR AB++GÖTEBORG++40508+SE'	Buyer
NAD+UD+1001::92'	Ultimate Customer
NAD+SE+23456::92 ++PARTNER SWEDEN AB+Box 123+SOLLENTUNA++19127+SE'	Seller
NAD+CA+TRANSP::92'	Carrier coded
NAD+SF+12345::92'	Ship From
NAD+DP+56789::92	Delivery Party
TOD+FCA'	Terms of delivery
CPS+1++1'	Line number for inner package and 1st article number
PAC+1++100780::92'	Number of Packages, Package Type
QTY+52:25:C62'	Quantity of Articles in the Package
PCI++++**G**::10'	Handling Unit Category (Mixed)
RFF+ACI: **200000001**'	Reference to Handling Unit.
GIN+ML+**100000001**'	Package Label Number
LIN+++1111111:IN'	Buyer's Article number
QTY+12:**25**:C62'	Despatch Quantity
ALI+PL'	Country of Origin
RFF+ON:435942710020'	Buyer's Order number
LOC+159+F-11 020::92'	Additional Internal Destination
CPS+2++1'	Line number for inner package and 1st article number
PAC+1++100780::92'	Number of Packages, Package Type
QTY+52:10:C62'	Quantity of Articles in the Package
PCI++++**G**::10'	Handling Unit Category (Mixed)
RFF+ACI:**200000001**'	Reference to Handling Unit.
GIN+ML+**100000002**'	Package Label Number
LIN+++2222222:IN'	Buyer's Article number
QTY+12:**10**:C62'	Despatch Quantity
ALI+PL'	Country of Origin

RFF+ON:435942710020'	Buyer's Order number
LOC+159+F-11 020::92'	Additional Internal Destination
UNT+38+1'	Service Segment – Message trailer
*** Trailer service segment according to ISO/EDIFACT ***	

Mixed – Loaded on the handling unit

Mixed Handling Unit – Transport label example

4 Mixed Handling Unit (G) Label attached to the pallet

5 Corresponsing Package Unit (S) Label attached to the box (that is placed on the pallet).

6 Corresponsing Package Unit (S) Label attached to the box (that is placed on the pallet).
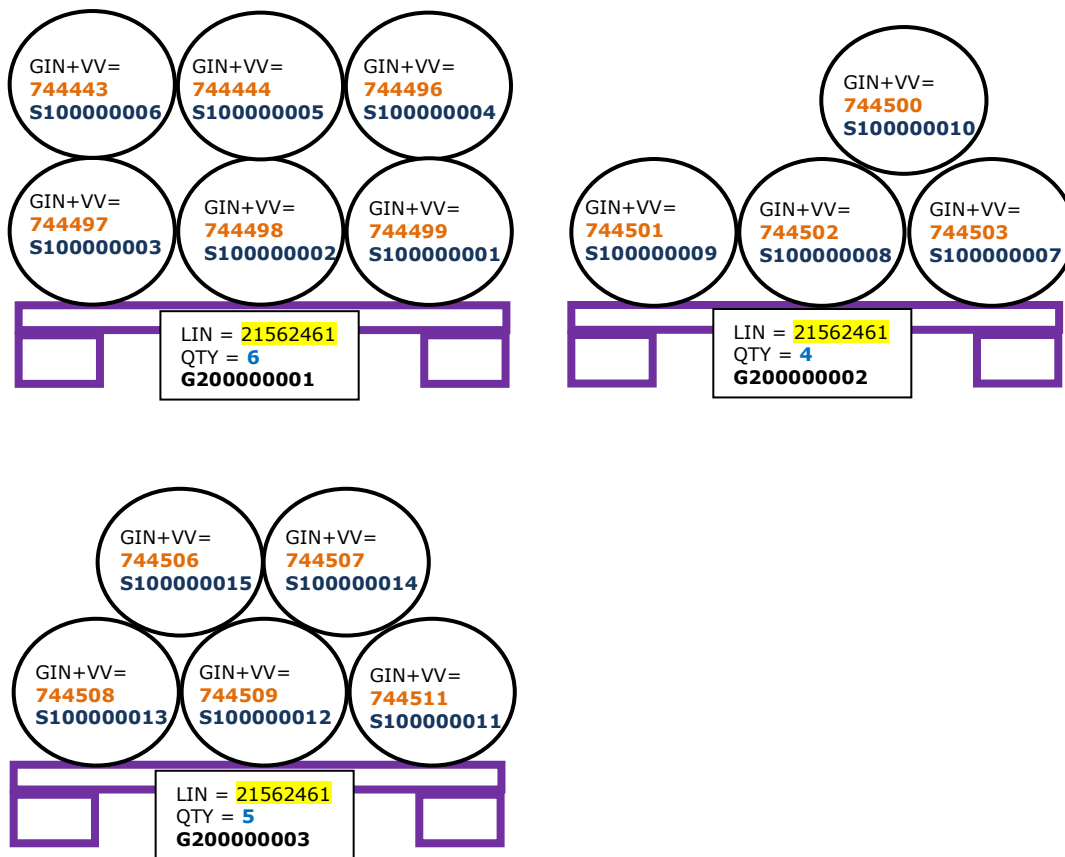
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Global DESADV – SEQUENCE

This example is a despatch advice (sequence delivery) message from supplier/seller 23456 to Volvo's plant 1001.

*** Initial service segment according to ISO/EDIFACT ***	
UNH+1+DESADV:D:07A:UN:GBSG11'	Service segment – Message header
BGM+351+100001'	Despatch Advice Number
DTM+137:201305160854:203'	Despatch Date and Time
MEA+AAX+AAD+KGM:107'	Consignment measurement – Total gross weight
MEA+AAX+ABJ+MTQ:4.488'	Consignment measurement – Volume
RFF+AAS:65000497'	Transport Document Number
NAD+ST+1001::92'	Ship To
LOC+11+020::92'	Place of Discharge
NAD+BY+1020::92 ++VOLVO LASTVAGNAR AB++GÖTEBORG++40508+SE'	Buyer
NAD+UD+1001::92'	Ultimate Customer
NAD+SE+23456::92 ++PARTNER SWEDEN AB+Box 123+SOLLENTUNA++19127+SE'	Seller
NAD+CA+TRANSP::92'	Carrier coded
NAD+SF+12345::92'	Ship From
NAD+DP+56789::92	Delivery Party
TOD+FCA'	Terms of delivery
CPS+1++1'	Line number for inner package and 1st article number
PAC+15++NIL::92'	Number of Packages, Package Type
QTY+52:1:C62'	Quantity of Articles in the Package
PCI++++**G**::10'	Handling Unit Category (Mixed)
RFF+ACI:**200000001**'	Reference to Handling Unit.
GIN+ML+**100000001**+**100000002**+**100000003**+**100000004**+**100000005**'	Package Label Number
GIN+ML+**100000006**'	Package Label Number
PCI++++**G**::10'	Handling Unit Category (Mixed)
RFF+ACI:**200000002**'	Reference to Handling Unit.
GIN+ML+**100000007**+**100000008**+**100000009**+**100000010**'	Package Label Number
PCI++++**G**::10'	Handling Unit Category (Mixed)
RFF+ACI:**200000003**'	Reference to Handling Unit.
GIN+ML+**100000011**+**100000012**+**100000013**+**100000014**+**100000015**'	Package Label Number
LIN+++21562461:IN'	Buyer's Article number
QTY+12:**15**:C62'	Despatch Quantity
ALI+PL'	Country of Origin
GIN+VV+**744443**+**744444**+**744496**+**744497**+**744498**'	Vehicle Identification Number
GIN+VV+**744499**+**744500**+**744501**+**744502**+**744503**'	Vehicle Identification Number

VOLVO

GIN+VV+**744506**+**744507**+**744508**+**744509**+**744511**'	Vehicle Identification Number
RFF+ON:435942710020'	Buyer's Order number
RFF+CR:1234567'	Volvo's module reference number
LOC+159+LB21 27100 020::92'	Additional Internal Destination
UNT+38+1'	Service Segment – Message trailer
*** **Trailer service segment according to ISO/EDIFACT** ***	

SEQUENCE – Loaded on the handling units

GIN+VV= **744443** S100000006 GIN+VV= **744444** S100000005 GIN+VV= **744496** S100000004

GIN+VV= **744500** S100000010

GIN+VV= **744497** S100000003 GIN+VV= **744498** S100000002 GIN+VV= **744499** S100000001

GIN+VV= **744501** S100000009 GIN+VV= **744502** S100000008 GIN+VV= **744503** S100000007

LIN = 21562461 QTY = **6** **G200000001**

LIN = 21562461 QTY = **4** **G200000002**

GIN+VV= **744506** S100000015 GIN+VV= **744507** S100000014

GIN+VV= **744508** S100000013 GIN+VV= **744509** S100000012 GIN+VV= **744511** S100000011

LIN = 21562461 QTY = **5** **G200000003**

SEQUENCE – Transport label example

Receiver **VOLVO LASTVAGNAR AB TUVE**	Dock / Gate **LB21 27100 020**		
Advice Note No (N) **100001** ‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Supplier name & address **Supplier**		
	Net Weight (Kg) **24.0**	Gross Weight (Kg) **54.2**	No. of boxes **6**
Part Number (P) **SEQUENCE**			
Quantity (Q) **6** ‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Description **PART DESCRIPTION**		
	Vehicle ID/Assembly date/time **744443 - 744499** **130517 08:15**		
Supplier (V) **23456** ‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Date **D130516**	Eng. Change	
Serial Number (G) **200000001** ‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Batch no (H)		

7 Mixed Handling Unit (G) Label attached to the pallet

Unique Item Label

There is no standardization of the layout (of the Unique Item Label). It can differ in many ways due to the different sizes and materials of parts.
The unique item label layout should therefore be decided in agreement with the goods receiver (consignee).

Below is an example of the Unique Item label, containing the basic information:

Vehicle no. **744443**	Date & Time **130517 0815**	Part no./Module no. **21562461**
Additonal Internal Destination **LB21** **27100 020**	Serial no. **100000006**	Variant **L-STWP**

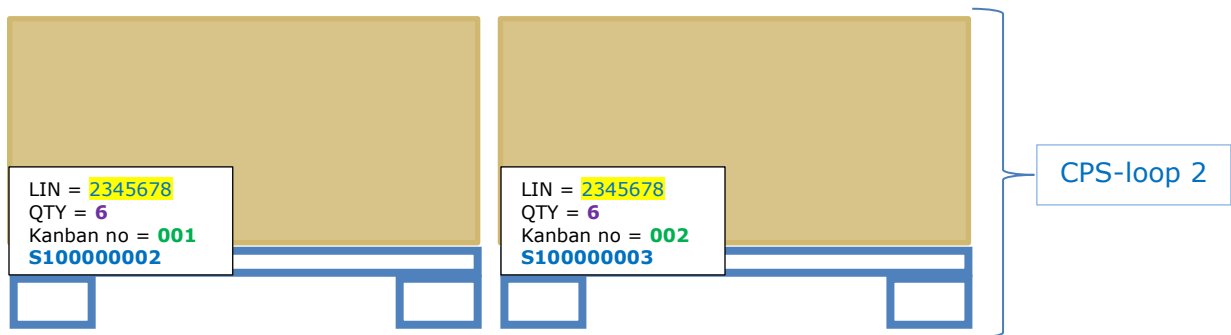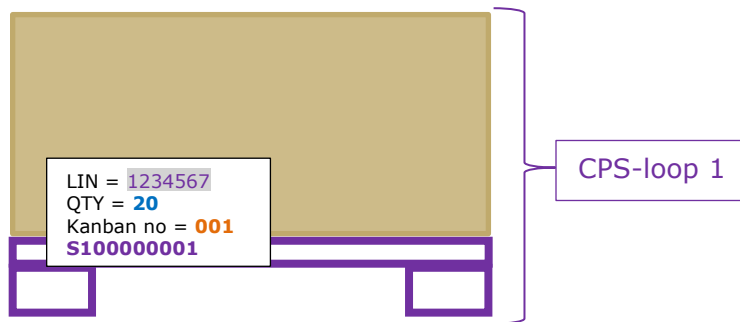8 Example of Unique Item (S) Label used in sequence deliveries.

Global DESADV – KANBAN

This example is a despatch advice (Kanban delivery) message from supplier/seller 23456 to Volvo's plant 1001.

*** Initial service segment according to ISO/EDIFACT ***	
UNH+1+DESADV:D:07A:UN:GBSG11'	Service segment – Message header
BGM+351+100001'	Despatch Advice Number
DTM+137:201305160854:203'	Despatch Date and Time
MEA+AAX+AAD+KGM:322'	Consignment measurement – Total gross weight
MEA+AAX+ABJ+MTQ:2.992'	Consignment measurement – Volume
RFF+AAS:65000497'	Transport Document Number
NAD+ST+1001::92'	Ship To
LOC+11+020::92'	Place of Discharge
NAD+BY+1020::92 ++VOLVO LASTVAGNAR AB++GÖTEBORG++40508+SE'	Buyer
NAD+UD+1001::92'	Ultimate Customer
NAD+SE+23456::92 ++PARTNER SWEDEN AB+Box 123+SOLLENTUNA++19127+SE'	Seller
NAD+CA+TRANSP::92'	Carrier coded
NAD+SF+12345::92'	Ship From
NAD+DP+56789::92	Delivery Party
TOD+FCA'	Terms of delivery
CPS+1++1'	Line number for inner package and 1 article number
PAC+1++NIL::92'	Number of Packages, Package Type
QTY+52:20:C62'	Quantity of Articles in the Package
PCI++++**S**::10'	Handling Unit Category (Simplified)
GIN+ML+**10000001**'	Package Label Number
GIN+AL+**001**'	Kanban card number
LIN+++1234567:IN'	Buyer's Article number
QTY+12:**20**:C62'	Despatch Quantity
ALI+SE'	Country of Origin
RFF+ON:435912345020'	Buyer's Order number
RFF+CR:74'	Reference to KANBAN message number
LOC+159+F-11 020::92'	Additional Internal Destination
CPS+2++1'	Line number for inner package and 1 article number
PAC+2++NIL::92'	Number of Packages, Package Type
QTY+52:6:C62'	Quantity of Articles in the Package
PCI++++**S**::10'	Handling Unit Category (Simplified)
GIN+ML+**10000002**+**10000003**'	Package Label Number
GIN+AL+**001**+**002**'	Kanban card number
LIN+++2345678:IN'	Buyer's Article number
QTY+12:**12**:C62'	Despatch Quantity
ALI+SE'	Country of Origin

RFF+ON:435912345020'	Buyer's Order number
RFF+CR:74'	Reference to KANBAN message number
LOC+159+F-11 020::92'	Additional Internal Destination
UNT+40+1'	Service Segment – Message trailer
*** Trailer service segment according to ISO/EDIFACT ***	

KANBAN – Loaded on the handling units

LIN = 1234567
QTY = **20**
Kanban no = **001**
S100000001

CPS-loop 1

LIN = 2345678
QTY = **6**
Kanban no = **001**
S100000002

LIN = 2345678
QTY = **6**
Kanban no = **002**
S100000003

CPS-loop 2

KANBAN – Transport label example

Receiver **VOLVO LASTVAGNAR AB TUVE**	**Dock / Gate** # F-11 020
Advice Note No (N) 100001 ‖‖‖‖‖‖‖‖‖‖‖	**Supplier name & address** **Supplier**
	Net Weight (Kg) 24.0 | **Gross Weight (Kg)** 45.0 | **No. of boxes** 1

Part Number (P)
2345678
‖‖‖‖‖‖‖‖‖‖‖‖

Quantity (Q) 6 ‖‖‖‖‖‖‖‖	**Description** **PART DESCRIPTION** **KANBAN card No (15K)** **001** ‖‖‖‖‖‖‖‖‖
Supplier (V) 23456 ‖‖‖‖‖‖‖‖‖‖	**Date** D130516 | **Eng. Change**
Serial Number (S) 10000002 ‖‖‖‖‖‖‖‖‖‖‖	**Batch no (H)**

9 Kanban Simplified Handling Unit (S) Label attached to the pallet.