Guidelines & message examples
Volvo's subset of DELJIT D 04B
(Global DELJIT)

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CONTENTS

SEQUENCE & DIRECT1

The purpose and basic function of the message Volvo DELJIT (Sequence & Direct1)

The message is used in two different ways:

Sequence The message is transmitted as sequence information, once a day, 7-23 days before assembly (differs between plants). Information about a vehicle is sent only ONE time. Adjustments are notified by other means. The supplier delivers their mix of parts in sequence order with consideration given to the unit load.

Direct1 The message is transmitted as sequence information, once a day, 7-23 days before assembly (differs between plants). Information about a vehicle is sent only ONE time. Adjustments are notified by other means. The requirements are summed up by the supplier for each consignment address, article and building date. One part number per transport unit (quantity according to unit load) delivered in correct chassis sequence.

The difference between Sequence and Direct1 message is that the supplier should not mix several parts in the same transport unit when using Direct1.

Explanations of action codes in the SG4.SEQ.1229 data element:

2	Deleted	This status code is used when sequence details are deleted.
38	Replaced	This status code is used when sequence details are replaced.
39	New	This status code is used for all sequence details being transmitted for the first time and indicates Preliminary order.
40	Agreed	This status will be used for all sequence details being transmitted and indicates Agreed/Firm order.

Differences between VOLVO DELJIT D04B (Sequence & Direct1) and Volvo's Global DELJIT (Sequence & Direct1)

- SG4.SEQ.1229, value 37 = "Cancelled" is replaced with value 2 = "Deleted". New code: value 40 = "Agreed".

- SG4.DTM.2380, changed to allow less than 12 digits in date.

- SG4.DTM.2379, added value 102 = "CCYYMMDD".

- SG12.QTY.6411, added possibility to state Measurement unit code.

- SG12.DTM.2380, changed to allow less than 12 digits in date.

- SG12.DTM.2379, added value 102 = "CCYYMMDD".

VOLVO

<u>Differences between Volvo's Global DELJIT (Sequence & Direct1) and the current Volvo EDIFACT message (v4)</u>

- The function of the message (values SEKVENS or DIREKT1) is moved from UNB.0026 to BGM.1000 (values S1 (=Sequence) or D1 (= Direct 1)).
  (UNB.0026 only used by Volvo Trucks and Volvo Busses.)

- BGM.1001, values 30 = "sequenced delivery" and ZZ = "direct delivery" are replaced by value 307 = "Sequenced delivery schedule".

- NAD.3035, value CN is changed to NAD.3035, value ST (=Ship To).

- NAD.3035, value CZ is changed to NAD.3035, value SF (=Ship From).

- SEQ.3035, value 3 = "created new" is replaced with value 39 = "New".
  New codes: value 37 = "Cancelled" and 38 = "Replaced"

- LOC segment with value 11 in LOC.3227 moved from SG2 to SG7 and LOC.3055 value 92 added.

- PIA segment added with status D (dependent).

- New GIR segment in SG7 to handle variant codes on Item number level.

- New RFF segment SG8 1153 = CR. Volvo's module reference number

- QTY.6063, value 131 = "delivery quantity" replaced with value 113 = "Quantity to be delivered".

- FTX segment removed.

Sequence (simple) – message example

This example is a sequence message from Volvo's plant 1001 to supplier 1234 indicating a NEW situation. The sequence request consists of three different part numbers for two different vehicle IDs and two different assembly dates/times.

*** Initial service segment according to ISO/EDIFACT ***
*** Message head ***
BGM+307::6:S1+20130206211602'
DTM+137:201302062116:203'
NAD+BY+1020::92'
NAD+SF+1234::92'
NAD+ST+1001::92'
*** First sequence number loop ***
SEQ+39+371615'
DTM+194:201302270834:203'
GIR+4+743972:VV'
LIN+++1068140:IN'
IMD+++:::KARDANAXEL C2060/1350, F'
LOC+11+020::92'
LOC+159+LB21 11400 020::92'
QTY+113:1'
LIN+++21083998:IN'
IMD+++:::KARDANAXEL C2060/1400,F/M'
LOC+11+020::92'
LOC+159+LB21 11400 020::92'
QTY+113:1'
*** Second sequence number loop ***
SEQ+39+371618'
DTM+194:201302270907:203'
GIR+4+743973:VV'
LIN+++1067765:IN'
IMD+++:::KARDANAXEL C2055/1975, F'
LOC+11+020::92'
LOC+159+LB21 11400 020::92'
QTY+113:1'

Sequence (complex) – message example

This example is a sequence message from Volvo's plant 1001 to supplier 12345
indicating a NEW situation. The sequence request consists of two different item numbers
for one vehicle ID with configuration information both on vehicle ID and Item level. Both
Items are connected to the same module reference number.

*** Initial service segment according to ISO/EDIFACT ***
*** Message head ***
BGM+307::6:S1+20130206211602'
DTM+137:201302062116:203'
NAD+BY+1020::92'
NAD+SF+12345::92'
NAD+ST+1001::92'
*** Sequence number loop ***
SEQ+39+371615'
DTM+194:201302270834:203'
GIR+4+743972:VV'
GIR+1+STWPOS-L:AB+TYPE-FH:AC'
*** First Item number loop ***
LIN+++1068140:IN'
PIA+1+P01:DR'
IMD+++:::TIRE'
GIR+1+2:AB+0:AC'
RFF+ON:591079556'
RFF+CR:1068100'
LOC+11+020::92'
LOC+159+LB21 11400 020::92'
QTY+113:1'
*** Second Item number ***
LIN+++21083998:IN'
PIA+1+P01:DR'
IMD+++:::RIM'
GIR+1+2:AB+0:AC'
RFF+ON:591079556'
RFF+CR:1068100'
LOC+11+020::92'
LOC+159+LB21 11400 020::92'
QTY+113:1'

Direct1 – message example

This example is a sequence message from Volvo's plant 1001 to supplier 2345 indicating a NEW situation. The sequence request consists of two different part numbers for two different vehicle IDs and two different assembly dates/times.

*** Initial service segment according to ISO/EDIFACT ***
*** Message head ***
BGM+307::6:D1+20130205211557'
DTM+137:201302052115:203'
NAD+BY+1020::92'
NAD+SF+2345::92'
NAD+ST+1001::92'
*** First sequence line loop ***
SEQ+39+362920'
DTM+194:201302251020:203'
GIR+4+743917:VV'
LIN+++20585616:IN'
IMD+++:::FRAMAXEL LHD, 5.19, <24'
RFF+ON:3440009501020'
LOC+11+020::92'
LOC+159+AX21 51100 020::92'
QTY+113:1'
*** Second Sequence line loop ***
SEQ+39+362921'
DTM+194:201302251050:203'
GIR+4+743918:VV'
LIN+++20585617:IN'
IMD+++:::FRAMAXEL LHD, 5.00, <24'
RFF+ON:3440009501020'
LOC+11+020::92'
LOC+159+AX21 51100 020::92'
QTY+113:1'

DIRECT2

The purpose and basic function of the message Volvo DELJIT (Direct2)

Direct2 The message is transmitted as direct information when needs for the article arise. The message contains requirements per Ship To, date of requirement, reference number and article.

Differences between Volvo's Global DELJIT (Direct2) and the current Volvo EDIFACT message (v4)

- The function of the message (value DIREKT2) is moved from UNB.0026 to BGM.1000 (value D2 (= Direct 2)).
  (UNB.0026 only used by Volvo Trucks and Volvo Busses.)

- BGM.1001, value ZZ = "direct delivery" is replaced by 307 = "Sequenced delivery schedule".

- NAD.3035, value CN is changed to NAD.3035, value ST (=Ship To).

- NAD.3035, value CZ is changed to NAD.3035, value SF (=Ship From).

- SEQ.3035, value 3 = "created new" is replaced with value 39 = New.

- SG4 DTM.2005, value 194 = "Starting date/time" is replaced with value 94 = "production/manufacture date".

- LOC segment with value 11 in LOC.3227 moved from SG2 to SG4 and LOC.3055 value 92 added.

- FTX segment removed.

Direct2 – message example

This example is a Direct2 message from Volvo's plant 1001 to supplier 23456 indicating a NEW situation for one manufacturing reference number (29-357-000). The message consists of one delivery to one place of discharge and one additional internal destination. The first Loop indicating a delivery of part No 21531229 in one pallet with quantity 7. The Second Loop indicating a delivery of part No 21531230 in one pallet with quantity 4.

```
*** Initial service segment according to ISO/EDIFACT ***
*** Message head ***
BGM+307::6:D2+20130206211217'
DTM+137:201302062112:203'
NAD+BY+1020::92'
NAD+SF+23456::92'
NAD+ST+1001::92'
*** Sequence line loop ***
SEQ+39'
DTM+94:201302270700:203'
GIR+4+29-357-000:AN'
LOC+11+020::92'
***First item line ***
LIN+++21531229:IN'
IMD+++:::POWER TAKE-OFF PTR-DM,URE'
RFF+ON:3440009501020'
LOC+159+LA4  62919 020::92''
QTY+167:7'
*** Second item line ***
LIN+++21531230:IN'
IMD+++:::POWER TAKE-OFF PTR-DH, UR'
RFF+ON:3440009501020'
LOC+159+LA4  62919 020::92'
QTY+167:4'
```

KANBAN

The purpose and basic function of the message Volvo DELJIT (KANBAN)

KANBAN The message is transmitted as Kanban information and authorizes the supplier to ship material (upon the Kanban signal). The message contains requirements per Ship To, Part and package linked to a Kanban signal, date of requirement and final delivery point.

Kanban loop relates to the following:
- One Ship To (Place of discharge and final delivery point)
- One Ship From
- One part number

A Kanban loop consists of a number of Kanban signals and Kanban cards. A DELJIT/KANBAN message can refer to one or several Kanban loops.

A KANBAN message can relate to the following:
- One Ship From
- One Ship To
- One Seller
- One Buyer
- Different Part Numbers
- Different Kanban signals
- One Delivery Date

In a Kanban loop; the Ship To sends a Kanban signal. The Ship From marks the pallet with an Odette label with the Kanban card number printed in the logistic field, Clear text and a barcode with qualifier (15K).

KANBAN – message example

This example is a KANBAN message from Volvo's plant 258 to supplier 3456 indicating an agreed situation. The message consists of two different Kanban loops. The first loop indicating a Kanban signal for part No 1380794 with two Kanban card No placed on two pallets with quantity 40. The second loop indicating a Kanban signal for part No 1380795 with five Kanban card No placed on five pallets with quantity 20.

```
*** Initial service segment according to ISO/EDIFACT ***
*** Message head ***
BGM+288::6:KB+20130208120055'
DTM+137:201302081200:203'
NAD+BY+113697::92'
NAD+SF+3456::92'
NAD+ST+258::92'
*** First Kanban loop ***
SEQ+40'
DTM+2:201207050000:102'
LOC+11+907::92'
PAC++4'
PCI+3'
GIN+AL+001:002'
LIN+++1380794:IN'
RFF+ON:5500009501907'
LOC+159+907::92'
QTY+113:80'
QTY+52:40'
*** Second Kanban loop ***
SEQ+40'
DTM+2:201207050000:102'
LOC+11+907::92'
PAC++4'
PCI+3'
GIN+AL+001:002+003:004+005'
LIN+++1380795:IN'
RFF+ON:5500009501907'
LOC+159+907::92'
QTY+113:100'
QTY+52:20'
```

VOLVO

CALDEL

The purpose and basic function of the message Volvo DELJIT (CALDEL)

CALDEL This message is sent from Ship To to the Ship From and gives information regarding the details for short-term delivery instructions according to the agreement between partners. With the CALDEL message, the Ship From is informed about the quantity and when and to which destination he shall deliver. CALDEL is only a short-term delivery instruction. The message will always be used in conjunction with the forecast message DELINS/DELFOR to provide the necessary planning information. CALDEL message is firm. Therefor amendments or replacements of a specific CALDEL message are not possible. Since the CALDEL message is a delivery instruction only; references to previous dispatch or cumulative figures are not included.

Differences between Volvo's Global DELJIT (CALDEL) and the current Volvo EDIFACT message (v4)

- The function of the message (value CALDEL) is moved from UNB.0026 to BGM.1000 (value CD (= CALDEL)).
  (UNB.0026 only used by Volvo Trucks and Volvo Busses).

- BGM.1001, value 36 = "Calculated delivery" is replaced by 242 = "Delivery just-in-time".

- NAD.3035, value CN is changed to NAD.3035 value ST (=Ship To).

- NAD.3035, value CZ is changed to NAD.3035 value SF (=Ship From).

- SEQ.3035, value 3 = "Created new" replaced with value 40 = Agreed.

- SG8 RFF.1153, value CR = "Customer reference number" is added.

- LOC segment with value 11 in LOC.3227 moved from SG9 to SG4 and LOC.3055 value 92 added.

- LOC segment with value 159 in LOC.3227 moved from SG9 to SG10 and LOC.3055 value 92 added.

- New RFF segment with value ON in RFF.1153 added. Status optional.

- QTY.6063, value 131 = "delivery quantity" is replaced with value 113 = "quantity to be delivered".

VOLVO

CALDEL (delivery order number) – message example

This example is a CALDEL message from Volvo's plant 1540 to supplier 34567 indicating
an agreed situation. The message consists of one delivery to one place of discharge and
one additional internal destination. The first loop indicating a delivery of part No
21064232 and total quantity of 38 with Delivery order number 2721251001. (This
Delivery order number should be printed on the Odette label in the logistic field.) The
second loop indicating a delivery of part No 21064233 and total quantity of 38 with
Delivery order number 2721251001. (This Delivery order number should be printed on
the Odette label in the logistic field.)

*** Initial service segment according to ISO/EDIFACT ***
*** Message head ***
BGM+242::6:CD+7031405'
DTM+137:201207031405:203'
NAD+BY+1020::92'
NAD+SF+34567::92'
NAD+ST+1540::92'
*** Sequence line loop ***
SEQ+40'
LOC+11+600::92'
*** First item line ***
LIN+++21064232:IN'
RFF+AAJ:2721251001'
LOC+159+F-UF::92'
QTY+131:38:PCE'
DTM+117:201207031800:203'
*** Second item line ***
LIN+++21064233:IN'
RFF+AAJ:2721251001'
LOC+159+F-UF::92'
QTY+113:38:PCE'
DTM+10:201207031800:203'

CALDEL (customer reference number) – message example

This example is a CALDEL message from Volvo's plant 1540 to supplier 4567 indicating an agreed situation. The message consists of one delivery to one place of discharge and one additional internal destination. The first Loop indicating a delivery of part No 21064232 and total quantity of 38 with reference number 20120703 1800. (This reference number should be printed on the Odette label in the logistic field.) The second loop indicating a delivery of part No 21064233 and total quantity of 38 with reference number 20120703 1800. (This reference number should be printed on the Odette label in the logistic field.)

*** Initial service segment according to ISO/EDIFACT ***
*** Message head ***
BGM+242::6:CD+7031405'
DTM+137:201207031405:203'
NAD+BY+1020::92'
NAD+SF+4567::92'
NAD+ST+1540::92'
*** Sequence line loop ***
SEQ+40'
LOC+11+600::92'
*** First item line ***
LIN+++21064232:IN'
RFF+CR:20120703 1800'
RFF+ON:3440009501600'
LOC+159+F-UF::92'
QTY+131:38:PCE'
DTM+117:201207031800:203'
*** Second item line ***
LIN+++21064233:IN'
RFF+AAJ:2721251001'
LOC+159+F-UF::92'
QTY+113:38:PCE'
DTM+10:201207031800:203'