Guidelines & message examples Volvo's subset of DELFOR D 04A

(GBSD11 - version 2.2, 2014)

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CONTENTS

GENERAL INFORMATION

GLOBAL DELFOR (D04A) SPECIFICATIONS

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

- The Joint Automotive Industries (JAI) Global DELFOR. Based on EDIFACT Directory, D04A. – Odette International Homepage
- The Volvo profile of the Global DELFOR – www.volvo.com/edi (click Specifications & Guidelines).

The purpose and basic function of the message

The delivery forecast (DELFOR) is sent from Volvo to a party who has to plan for the supply of products/parts. The DELFOR message contains information about planned use/consumption of products/parts. The message gives the requirements regarding deliveries in short and/or medium to long term. The scheduling can be used to authorize manufacturing and/or the provision of materials.

This message is based on the terms and conditions defined in a purchase order or contract.

The message can provide the following information:

- Firm delivery dates and the quantities scheduled.
- Forecast delivery dates and the respective quantities.
- Commitment for material given as a discrete quantity and for a period in terms of start and end date.
- Previously received deliveries specified with despatch note number, despatch and goods receipt dates with related quantities.
- Product/part specification in terms of weight.
- Backorder and in-transit quantities.

A delivery schedule should be replaced by a new one once the combination of the key elements remains the same. The key elements are part number (LIN segment), order number (RFF+ON segment), place of discharge (LOC+11 segment), Seller (NAD+SE segment), Ship-From (NAD+SF segment), Ship-To (NAD+ST segment), Delivery party (NAD+DP segment). If at least one of the mentioned elements differs, the DELFOR file should be treated as a separate one and should not update the previous DELFOR message. If any of the key elements change permanently, then Volvo can send a ”zero schedule” (with zero quantity) to cancel the demands for the previous combination of elements.

Volvo can send a ”zero schedule” in the following cases (please note that individual Volvo Group business units have different capabilities in this matter):

- Gate/Suffix changes
- Purchase order number changes
- No more demands for a part
- Suppliers PARMA ID changes

VOLVO'S APPLICATION OF THE MESSAGE

The delivery schedule message is identified in the BGM.1001 equal to 236 "Delivery forecast" or 241 "Delivery schedule" (which includes a combination of firm and forecasting figures).

Volvo Group DELFOR is product driven and can have one or many Ship-To (SG7.NAD.3035 = ST) locations. Each Ship-To location can have one or many delivery points (SG12.LOC codes 11 or 159).
This means that product/part information in SG12 (Scheduled Article Details) will be repeated if there are different delivery points used.

Below you can find a sample of DELFOR messages. Please note that the production DELFOR message content and usage may vary depending on the scenario and the logic applied by an individual Volvo Group business unit. For further information related to content and calculation in delivery schedules, please contact the concerned Volvo plant/warehouse for more information.

EXAMPLES

1. Global DELFOR –delivery status information

Contains firm and forecast shipment information together with data such as: In transit quantity, Goods reception date and Backorder quantity.

*** Initial service segment according to ISO/EDIFACT ***	
UNH+123456+DELFOR:D:04A:UN:GBSD11'	Message header
BGM+241+202207110102'	Delivery schedule number
DTM+137:20220711:102'	Issue date
DTM+157:20220712:102'	Effective from
NAD+BY+1020::92++COMPANY+STREET:BOX+CITY+STATE+ZIP CODE+DE'	Legal Buyer
NAD+SE+6128::92++SELLER COMPANY+STREET:BOX+CITY+STATE+ZIP CODE+DE'	Seller
GEI+3’	Section separator
NAD+ST+1001::92++COMPANY+STREET:BOX+CITY+STATE+ZIP CODE+DE'	Ship- To
LIN++38+1137005:IN'	Buyer’s Article number
PIA+1+P04:DR'	Drawing information
LOC+11+020::92'	Place of discharge
LOC+159+F-11 020::92'	Final delivery point
DTM+257:20220711:102'	Calculation date
RFF+ON:371906128020'	Purchase Order Number
RFF+AIF:202207060210'	Previous delivery schedule number
QTY+73:8000'	Outstanding order quantity
QTY+57:2000'	**Quantity in transit**
QTY+83:500'	**Quantity in Backorder**
QTY+70:23000'	Cumulative quantity received
DTM+51:20220101:102'	Accumulation start date
QTY+12:500'	**Despatched quantity (according to DESADV)**
DTM+11:20220615:102'	**Date of dispatch**
QTY+48:500'	**Received quantity**
DTM+50:20220617:102'	**Date of goods reception**
RFF+AAK:12785'	**Despatch advice number**
QTY+12:500'	**Despatched quantity (according to DESADV)**
DTM+11:20220610:102'	**Date of dispatch**
QTY+48:500'	**Received quantity**
DTM+50:20220612:102'	**Date of goods reception**
RFF+AAK:12760'	**Despatch advice number**
QTY+12:500'	**Despatched quantity (according to DESADV)**
DTM+11:20220605:102'	**Date of dispatch**
QTY+48:500'	**Received quantity**

DTM+50:20220607:102'	**Date of goods reception**
RFF+AAK:12725'	**Despatch advice number**
SCC+1'	**Code indicating Firm order**
QTY+113:500'	**Quantity to be delivered**
DTM+10:20220713:102'	**Date of despatch**
SCC+4'	**Code indication Forecast demand**
QTY+113:500'	**Quantity to be delivered**
DTM+10:20220803:102'	**Date of despatch**
SCC+4'	**Code indication Forecast demand**
QTY+113:500'	**Quantity to be delivered**
DTM+10:20220817:102'	**Date of despatch**
SCC+4'	**Code indication Forecast demand**
QTY+113:500'	**Quantity to be delivered**
DTM+10:20220831:102'	**Date of despatch**
SCC+3'	**Code indicating Commitment for material**
QTY+1:1000'	**Committed quantity for material**
DTM+194:20220803:102'	**Start date**
DTM+206:20220817:102'	**End date**
UNT+50+123456'	Message trailer
***** Trailer service segment according to ISO/EDIFACT *****	

2. **Global DELFOR – extended supply chain information**

Supplying information regarding additional parties: Ship-To, Ultimate customer, Ship-From (can be different than Seller).

***** Initial service segment according to ISO/EDIFACT *****	
UNH+123456+DELFOR:D:04A:UN:GBSD11'	Message header
BGM+241+202207110102'	Delivery schedule number
DTM+137:20220711:102'	Issue date
DTM+157:20220712:102'	Effective from
NAD+BY+1020::92++COMPANY+STREET:BOX+CITY+STAT+POSTAL+DE'	Legal Buyer
NAD+SE+6128::92++COMPANY+STREET:BOX+CITY+STAT+POSTAL+DE'	**Seller**
NAD+SF+6130::92++COMPANY+STREET:BOX+CITY+STAT+POSTAL+DE'	**Ship-From**
NAD+UD+4442::92++COMPANY+STREET:BOX+CITY+STAT+POSTAL+DE'	**Ultimate delivery place**
GEI+3'	Section separator
NAD+ST+4379::92++COMPANY+STREET:BOX+CITY+STAT+POSTAL+DE'	**Ship-To**
LIN++38+1137005:IN'	Buyer's Article number
PIA+1+P04:DR'	Drawing information
LOC+11+020::92'	Place of discharge
LOC+159+F-11 020::92'	Final delivery point
DTM+257:20220711:102'	Calculation date
RFF+ON:371906128020'	Purchase Order Number
RFF+AIF:202207060210'	Previous delivery schedule number

QTY+83:500'	Quantity in Backorder
QTY+70:23000'	Cumulative quantity received
DTM+51:20220101:102'	Accumulation start date
QTY+12:500'	Delivered quantity (according to DESADV)
DTM+11:20220615:102'	Date of despatch
QTY+48:500'	Received quantity
DTM+50:20220617:102'	Date of goods reception
RFF+AAK:12785'	Despatch advice number
QTY+12:500'	Delivered quantity (according to DESADV)
DTM+11:20220610:102'	Date of dispatch
QTY+48:500'	Received quantity
DTM+50:20220612:102'	Date of goods reception
RFF+AAK:12760'	Despatch advice number
QTY+12:500'	Delivered quantity (according to DESADV)
DTM+11:20220605:102'	Date of dispatch
QTY+48:500'	Received quantity
DTM+50:20220607:102'	Date of goods reception
RFF+AAK:12725'	Despatch advice number
SCC+1'	Code indicating Firm order
QTY+113:500'	Quantity to be delivered
DTM+10:20220713:102'	Date of despatch
SCC+4'	Code indicating Forecast demand
QTY+113:500'	Quantity to be delivered
DTM+10:20220803:102'	Date of despatch
SCC+3'	Code indicating Commitment for material
QTY+1:500'	Committed quantity for material
DTM+194:20220803:102'	Start date
DTM+206:20220803:102'	End date
UNT+44+123456'	Message trailer
***** Trailer service segment according to ISO/EDIFACT *****	

3. Global DELFOR – information about type of article/part

Adding codes for sub-assembly and ingoing part on part number level.

***** Initial service segment according to ISO/EDIFACT *****	
UNH+123456+DELFOR:D:04A:UN:GBSD11'	Message header
BGM+241+202207110102'	Delivery schedule number
DTM+137:20220711:102'	Issue date
DTM+157:20220712:102'	Effective from
NAD+BY+1020::92++COMPANY+STREET:BOX+CITY+STAT+POSTAL+DE'	Legal Buyer
NAD+SE+6128::92++COMPANY+STREET:BOX+CITY+STAT+POSTAL+DE'	Seller
GEI+3'	Section separator
NAD+ST+1001::92++COMPANY+STREET:BOX+CITY+STAT+POSTAL+DE'	Ship-To
LIN++38+1137005:IN'	Buyer's Article number
PIA+1+P04:DR'	Drawing information
IMD+S++22:::WHEEL'	**Type of product (Sub-assembly/ECP)**

LOC+11+020::92'	Place of discharge
LOC+159+F-11 020::92'	Final delivery point
DTM+257:20220711:102'	Calculation date
RFF+ON:371906128020''	Purchase Order Number
RFF+AIF:202207060210'	Previous delivery schedule number
QTY+83:500'	Quantity in Backorder
QTY+70:23000'	Cumulative quantity received
DTM+51:20220101:102'	Accumulation start date
QTY+12:500'	Delivered quantity (according to DESADV)
DTM+11:20220615:102'	Date of despatch
QTY+48:500'	Received quantity
DTM+50:20220617:102'	Date of goods reception
RFF+AAK:12785'	Despatch advice number
QTY+12:500'	Delivered quantity (according to DESADV)
DTM+11:20220610:102'	Date of despatch
QTY+48:500'	Received quantity
DTM+50:20220612:102'	Date of goods reception
RFF+AAK:12760'	Despatch advice number
QTY+12:500'	Delivered quantity (according to DESADV)
DTM+11:20220605:102'	Date of despatch
QTY+48:500'	Received quantity
DTM+50:20220607:102'	Date of goods reception
RFF+AAK:12725'	Despatch advice number
SCC+1'	Code indicating Firm order
QTY+113:500'	Quantity to be delivered
DTM+10:20220713:102'	Date of despatch
SCC+4'	Code indicating Forecast demand
QTY+113:500'	Quantity to be delivered
DTM+10:20220803:102'	Date of despatch
SCC+3'	Code indicating Commitment for material
QTY+1:500'	Committed quantity for material
DTM+194:202200803:102'	Start date
DTM+206:202200803:102'	End date
UNT+43+123456'	Message trailer
***** Trailer service segment according to ISO/EDIFACT *****	

4. **Global DELFOR – type of delivery process (JIT/JIS)**

Indicating JIT/JIS flow at Call-off level.

***** Initial service segment according to ISO/EDIFACT *****	
UNH+123456+DELFOR:D:04A:UN:GBSD11'	Message header
BGM+236+202207110102'	**Delivery forecast number**
DTM+137:20220711:102'	Issue date
DTM+157:20220712:102'	Effective from
NAD+BY+1020::92++COMPANY+STREET:BOX+CITY+STAT+POSTAL+DE'	Legal Buyer
NAD+SE+6128::92++COMPANY+STREET:BOX+CITY+STAT+POSTAL+DE'	Seller
GEI+3'	Section separator

NAD+ST+1001::92++COMPANY+STREET:BOX+CITY+STAT+POSTAL+DE'	Ship-To
LIN++38+1137005:IN'	Buyer's Article number
PIA+1+P04:DR'	Drawing information
LOC+11+020::92'	Place of discharge
LOC+159+F-11 020::92'	Final delivery point
DTM+257:20220711:102'	Calculation date
RFF+ON:371906128020'	Purchase Order Number
RFF+AIF:202207060210'	Previous delivery schedule number
QTY+83:500'	Quantity in Backorder
QTY+70:23000'	Cumulative quantity received
DTM+51:20220101:102'	Accumulation start date
QTY+12:500'	Delivered quantity (according to DESADV)
DTM+11:20220615:102'	Date of despatch
QTY+48:500'	Received quantity
DTM+50:20220617:102'	Date of goods reception
RFF+AAK:12785'	Despatch advice number
QTY+12:500'	Delivered quantity (according to DESADV)
DTM+11:20220610:102'	Date of despatch
QTY+48:500'	Received quantity
DTM+50:20220612:102'	Date of goods reception
RFF+AAK:12760'	Despatch advice number
QTY+12:500'	Delivered quantity (according to DESADV)
DTM+11:20220605:102'	Date of despatch
QTY+48:500'	Received quantity
DTM+50:20220607:102'	Date of goods reception
RFF+AAK:12725'	Despatch advice number
SCC+4++J'	**Codes indicating Forecast demand and JIT/JIS flow**
QTY+113:500'	**Quantity to be delivered**
DTM+10:20220713:102'	**Date of despatch**
SCC+4++J'	**Codes indicating Forecast demand and JIT/JIS flow**
QTY+113:500'	**Quantity to be delivered**
DTM+10:20220803:102'	**Date of despatch**
SCC+3'	Codes indicating Commitment for material
QTY+1:1000'	Committed quantity for material
DTM+194:20220713:102'	Start date
DTM+206:20220803:102'	End date
UNT+42+123456'	Message trailer
***** Trailer service segment according to ISO/EDIFACT *****	

VOLVO'S DELFOR SPECIFICATION CHANGELOG

Changes between version 2.2 and 2.1 of Volvo's Global DELFOR (D04A)

- SG2 Ship From has changed from Required to Dependent.

- Minor changes on remark sections.

Changes between version 2.1 and 2.0 of Volvo's Global DELFOR (D04A)

- Corrected Remark texts in segments SG16 QTY+83, SG16 QTY+12 and QTY+48 and SG16 DTM+11 and DTM+50.

Changes between version 2.0 and 1.1 of Volvo's Global DELFOR (D04A)

- UNH.0057. New code GBSD11 = "Volvo Group DELFOR D04A (2014 version)".
- SG2 NAD BY (Buyer): Added elements 3036, 3042, 3164, 3229, 3251 & 3207 (Address information) as dependable.

- SG2 NAD SE (Seller): Added elements 3036, 3042, 3164, 3229, 3251 & 3207 (Address information) as dependable.
- SG2 NAD.3035. New code DP = "Delivery Party".
- SG2 NAD.3035. New code SF = "Ship From".
- SG2 NAD.3035. New code UD = "Ultimate Customer".
- SG7 NAD ST (Ship To): Added elements 3229, 3251 & 3207 (Address information) as dependable. Element 3228 changed from Optional to Not used.
- SG10 COM segment; max. occurrence changed from 5 to 1.
- SG12 IMD segment; max. occurrence changed from 10 to 1. Status changed from Optional to Dependent.
- SG12 IMD.7077 (Description format code) value S = "Structured (from industry code list)" added as dependent.
- SG12 IMD.7009 (Item description code) value 20 = "Current article" and value 22 = "Module number" added as dependent.
- New segment MEA (Measurements) added in SG12 with code WT = "Weights" in 6311 and U = "Weight per unit" (Part Weight) in 6313.
- SG12 DTM+257; Max. occurrence changed from 6 to 1.
- SG16 QTY.6063. New code 57 = "In transit Quantity".
- SG16 QTY.6063. New code 73 = "Outstanding order Quantity".
- SG16 DTM+51 (Cumulative quantity date(s)): Changed maximum number of repetitions from 2 to 1.

- SG16 DTM.2005. New code 50 = "Goods receipt date/time".
- SG18 SCC.2013. Value J = "JIT/JIS process" and value D = "Batch process" added.
- New segment PAC (Package Reference No) added in SG21.
- New segment QTY (Quantity per package) added in SG21.
- New segment MEA (Weights) added in SG21 with code AAY = "Package measurement" in 6311 and AAL = "Net Weight" (Tara weight/Weight of empty packages) in 6313.

Changes between version 1.1 and 1.0 of Volvo's Global DELFOR (D04A)

- SG7, NAD ST C059 and 3164 changed from Dependent to Optional.
- SG10 has changed from Dependent to Optional.

- SG12, PIA "Vendor item number" added. Used by some Volvo group plants/warehouses only.
- SG12, IMD has changed from Dependent to Optional.

Differences between Volvo's Global DELFOR (D04A) and the Volvo EDIFACT message (D96A, v4)

- Beginning of message, BGM.1001. New Document name code, 236 = Delivery forecast.
- The Buyer code, NAD.3039, will be assigned by the buyer instead of the Seller. Volvo will here give the identification of the buying company, which also shall be given by the Seller in the INVOIC. See the Global INVOIC specification.
- UNS-segment is replaced by GEI-segment.
- Party Consignee, NAD.3035, value CN is changed to Ship To, NAD 3035, value ST.
- Contact details added for the Ship To party: CTA-segment and COM-segment.
- LIN.1229, value 3 = "Change" is replaced with 38 = "Replaced".
- LIN.1229, value 4 = "Amendment" is replaced with 9 = "Amendments".
- New IMD segment in SG12. Used for Volvo's article description.
- LOC.3055 added in both occurrences of LOC. Code 92.
- DTM.2005 in SG16. Value 171 = "Reference date (date of dispatch)" replace with 11 = "Despatch date and or time".

- New segment group SG18 "Authorization/Commitment". In this segment group we will give the commitment for raw material as a cumulated quantity, today given as code 3 attached to each required quantity for delivery.
- SCC segment is moved to new segment group (SG18) "Authorization/Commitment" (above the QTY segment).
- DTM.2005 in SG19. Value 2 = "Delivery date/time requested" has been replaced by 10 = "Shipment date/time, requested".