# Guidelines & message examples
# Volvo's subset of PRODAT D 03A


**Issuer:** Volvo Information Technology AB

**Date:** 2016-03-07

**Issue:** 1.1

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# GENERAL INFORMATION

This document (together with the message specification) describes Volvo's application of the PRODAT (Production data) message, based on the UN/EDIFACT message standard.

The purpose of the PRODAT[1] is to submit a set of rarely changed data to describe and identify products. The information could include technical and functional product descriptions but not commercial terms and conditions.
The PRODAT message can also be used to update the information in a previously sent PRODAT message and may be used for both national and international applications.

To achieve this, the subsequent details may be provided on specified goods:
+ products characteristics
+ technical data
+ utilisation description
+ utilisation requirements
+ handling information

## PRODAT D 03A specifications

The PRODAT D 03A specifications can be obtained from the Internet:

- The UN/EDIFACT specification – PRODAT D03A specification
- The Odette international PRODAT D03A. Based on EDIFACT Directory, D 03A – Odette International Homepage
- The Volvo profile of the PRODAT D03A – www.volvo.com/edi (under EDI Volvo Group - Specifications & Guidelines).

[1] http://www.unece.org/trade/untdid/d03a/trmd/prodat_c.htm, 2014-08-12

## Volvo's application of the PRODAT message

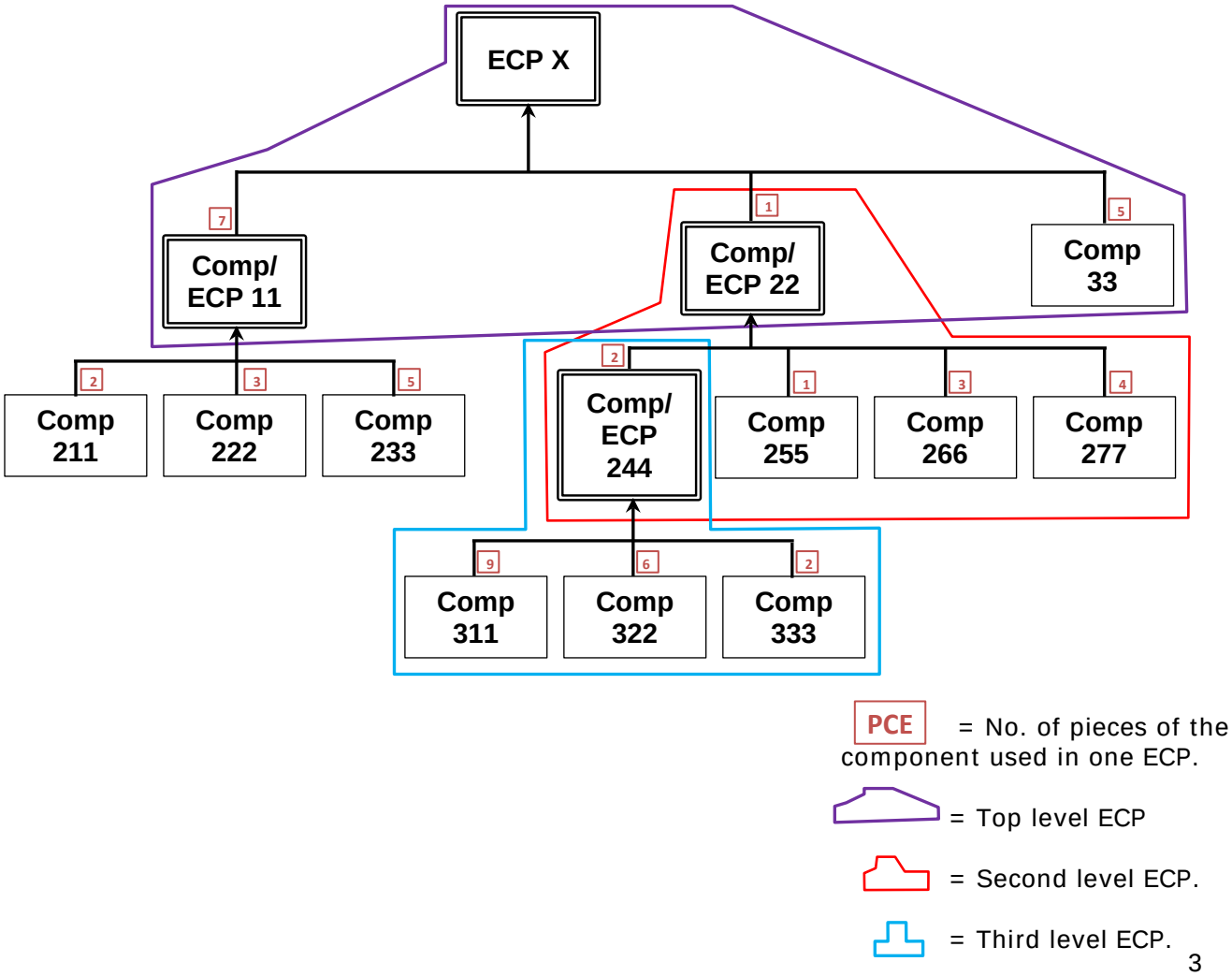
Volvo will use the PRODAT message to describe and identify the ECP (External Component Part)/module/sub-assembled article, its ingoing component parts and the hierarchal structure.

The ECP/module is always described as hierarchal level 1 (Parent), and the ingoing component parts are always level 2 (Child).

Using the possibility to repeat the LIN-loop in the PRODAT message, an ECP consisting of several hierarchical levels can be expressed.

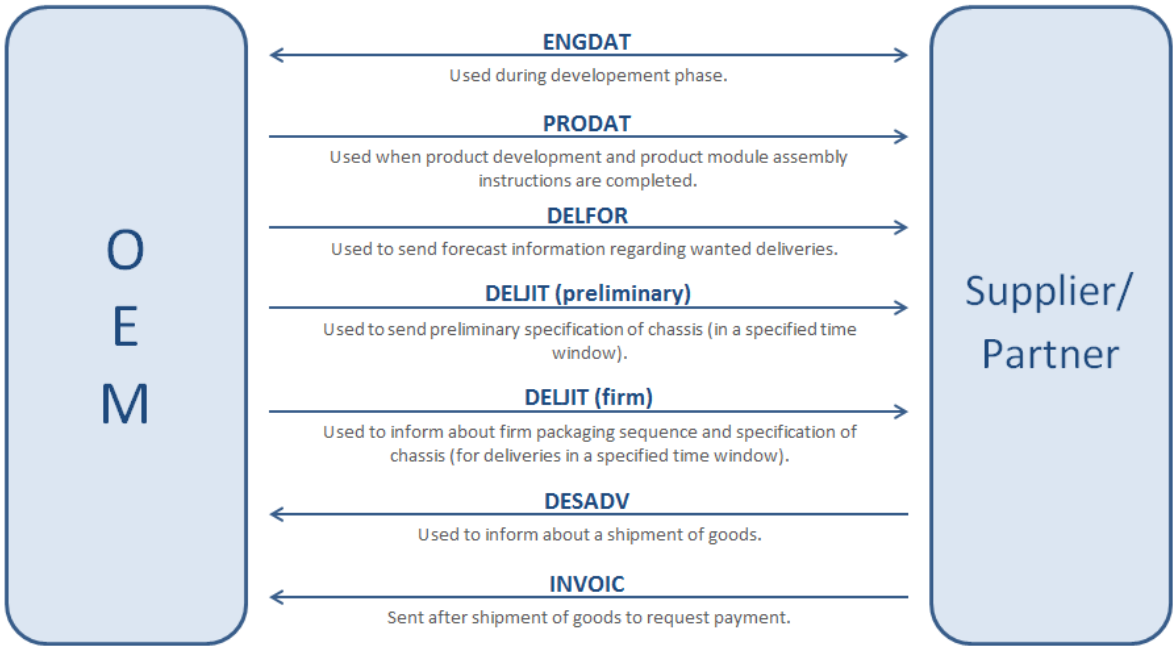
Because one article number can both be an ingoing component part (in an ECP) and a module (in itself), the same article number can also be repeated several times within one PRODAT message.

If a LIN-loop is describing an ingoing component part (child) the Parent article number should be stated in SG23.HYN.7166



When will the PRODAT be sent?

Once the development and product module assembly instructions are completed and the purchase order is created, the PRODAT message is sent from Volvo to the supplier. This message will mainly be used when the article is an ECP and when it should be delivered in a JIT/JIS flow.




Since the PRODAT message describes the ECP, and the ingoing parts in a hierarchal perspective, it will serve as a compliment to the DELFOR/DELJIT messages.

The DELFOR/DELJIT messages will start out calling off all the ingoing component parts in an ECP (without any reference to the ECP itself).

As the time is moving nearer[2] the shipment date the call off status will change from planning, to commitment for material and finally to firm. During this period the article number and quantities will also change to reflect the ECP and how many ECP-articles should be shipped.

This means that if article X is to be delivered as both a standalone part and as a component part of an ECP (Y), the call off quantity will change once the time has come for the ECP to start to be produced. i.e. if it takes 4 article X to produce one ECP Y and the buyer wants an additional 10 X to be delivered at the same time as ECP Y: The first forecast call offs will show 14 article X and no ECP Y. As the delivery date approaches there will be a switch in the delivery schedule and it will start to show 10 article X and one ECP Y (meaning that the other 4 article X is now included in the one ECP Y).

[2] The timeframe is decided between the concerned parties and will differ depending on transport and assembly lead-times.

# EXAMPLES

## PRODAT – (ECP and ingoing component parts)

The following example message is a PRODAT sent from buyer 1020 to seller 12345. It concerns one ECP article shipped from 54321 to 2920, with the ultimate destination (customer) 2921.

| *** Initial service segment according to ISO/EDIFACT *** | |
|---|---|
| UNH+1+PRODAT:D:03A:UN:GBSJ11' | Service segment – Message header |
| BGM+6::6:PR+140930' | Type message & document number |
| DTM+137:20140930:102' | Message date |
| NAD+BY+1020::92' | Buyer |
| NAD+SE+12345::92' | Seller |
| NAD+SF+54321::92' | Ship-From |
| NAD+ST+2920::92' | Ship-To |
| NAD+UD+2921::92' | Ultimate customer |
| LIN+1++ECPNO1:IN' | Buyer's article number |
| PIA+1+P01:EC' | Additional article info (Engineering change ID) |
| DTM+157:20140915:102' | Validity start date |
| DTM+36:20150315:102' | Expiry date |
| IMD+F++:::ECP DESCRIPTION' | Description of article |
| QTY+1:1:PCE' | Standard Quantity |
| CCI+11' | Trigger segment |
| CAV+AN::6:ARTICLE NO1' | Characteristic value (manufacturing reference number – reference to complete product/module.) |
| RFF+ON:123456789' | Order number |
| HYN+2+1+1' | Hierarchy information (parent) |
| LIN+2++COMPONENTPARTNO1:IN' | Buyer's article number |
| PIA+1+P02:EC' | Additional article info (Engineering change ID) |
| DTM+157:20140315:102' | Validity start date |
| DTM+36:20150315:102' | Expiry date |
| IMD+F++:::COMPONENT PART DESCRIPTION' | Description of article |
| QTY+1:1:PCE' | Standard Quantity |
| CCI+11' | Trigger segment |
| CAV+AN::6:ARTICLE NO1' | Characteristic value (manufacturing reference number – reference to complete product/module.) |
| RFF+ON:123456789' | Order number |
| HYN+2+2+1+COMPONENTPARTNO1:IN+ ECPNO1' | Hierarchy information (child) and parent article number |
| QTY+1:5:PCE' | Quantity within one module |

| | |
|---|---|
| LIN+3++COMPONENTPARTNO2:IN' | Buyer's article number |
| PIA+1+P03:EC' | Additional article info (Engineering change ID) |
| DTM+157:20140915:102' | Validity start date |
| DTM+36:20150315:102' | Expiry date |
| IMD+F++:::COMPONENT PART DESCRIPTION' | Description of article |
| QTY+1:1:PCE' | Standard Quantity |
| CCI+11' | Trigger segment |
| CAV+AN::6:ARTICLE NO1' | Characteristic value (manufacturing reference number – reference to complete product/module.) |
| CAV+AP::6:ADDITIONAL INFO LINE 1' | Characteristic value (additional details regarding complete product/module) |
| RFF+ON:123456789' | Order number |
| HYN+2+2+1+ COMPONENTPARTNO2:IN+ECPNO1' | Hierarchy information (child) and parent article number |
| QTY+1:10:PCE' | Quantity within one module |
| UNT+42+1' | Service segment – Message footer |
| ***** Trailer service segment according to ISO/EDIFACT ***** | |