DAILY CALL IN
for
PRODUCTION MATERIAL

USER GUIDE
According to VDA4915 Standard

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NOTICE

This brochure has been developed for exclusive use of our suppliers, to support their understanding of the Material Control System of the Ford Motor Company Limited.

Ford Motor Company Limited

General Introduction

The Electronic Data Interchange is business-process-driven and supports the logistic business process with the order, planning, shipping and payment cycle. The process is supported by many EDI messages.

This guideline is specifically designed to support our supplier by using the FORD subset of the VDA4915 standard message.

VDA4915 Shipping Release Message or Daily Call In
The VDA4915 is a message, which is sent from a party who is planning the use or consumption of products to a party who has to supply the products. The message gives the information regarding details of the shipping release requirements for products. This is based on the terms and conditions defined in a purchase order or contract.

Ford Customer Service Division (FCSD)
The Ford Customer Service Division works on its own internal EDI system and has different business practices to the Ford manufacturing plants. This requires different use of some of the data fields in the message layout.

Explanations to Ford's Daily Call-in System for Production material

1. Basic information to the Daily Call-In calculation

1.1 Stock Control

Ford has developed a daily stock control for all production parts, which consider offline-build of vehicles, manufacturing usage, shipment and unscheduled disbursements.
Stock on hand is calculated for the end of the previous night shift.
Following stock definition will be distinguished:

In Plant = total "wall to wall" stock in plant
BOH Loose = loose still available parts for production not used in Finished assemblies
System Stock = material already bound in production process

1.2 Requirements for Vehicle Production

Vehicle production orders are input daily in weekly packages for production offline up to the 10th subsequent working day and "exploded" into part requirements for every day of the scheduled production.

1.3 Manufacturing usage

Based on customer requirements the production schedule will be generated by CMMS3 and triggers requirement calculation on part level.

1.4 Requirements for shipping

The requirements for component parts for the shipment from a Ford plant in assemblies to other plants, other Ford Companies or to FCSD are considered by the material release to the shipping plant.

1.5 Material Planning System CMMS3

Material Planning System daily compares the available stock on hand with the requirements of the future production days and calculates from this the "days supply" for each part.

The parts analyst currently controls the material availability and contacts the supplier per telecommunication, if following situations occur:

- the supplier deliveries are not in line with the schedule.
- in case of a stock deviation
- the material requirements are to be advanced or delayed in timing versus release authorization.
- deliveries are to be increased or reduced in quantities

1.6 Shipping Release calculation

The Material Planning System CMMS3 calculates the shipping release on the basis of following information

- the requirements for each production day,
- the stock on hand,
- the shipped cum (cum received + in transit + in consignation)
- the part number related basic data (operational reserve etc.).

1.7 Calculation of the requirements per delivery day

The CMMS3 takes

- The requirements for 14 calendar days
- “Overdeliveries” of parts to the receiving plant, and
- when not all 14 days are filled up with requirements from segmented vehicle orders, the CMMS3 takes forecast values.

1.8 Delivery requirements under consideration of delivery frequencies

For all non-daily delivered parts the net daily requirements are recalculated into requirements inline with the delivery frequency. If the specific day is a non working day at the receiving plant, the requirement will be advanced to the first segment before the non-production day according to the delivery frequency.

1.9 More vendors within a calendar year (Dual or Triple Source Item)

Vendor changes or percentage changes can be scheduled for the future. The requirement calculation considers the actual percentage of business per day.

1.10 Consideration of 'In-transit' quantities

The ASN data will be considered in the Shipping Release calculation.

1.11 Data transmission

The Daily Call-In Information is made available to the vendor via EDI with various data transmission systems.

1.12 Temporary exclusion from the requirement calculation

Parts can be excluded under specific circumstances from the requirement calculation by the part analyst.

1.13 Balance out parts

Balance out parts, which are no longer required in the production are getting DCI information with zero requirement. The data transmission will continue until the Release Analyst initiates the Final Release.

2. General data of the Daily Call-In

2.1 Part number

The Ford part number has the following structure:

Prefix	right justified	6 characters
Base	right justified	8 characters
Suffix	left justified	8 characters

Example:

Prefix						Base								Suffix							
		8	7	A	G					2	4	6	7	A	A						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

Please enter the part number on the advice notes and in the advanced shipping note in the same structure as printed and transmitted on the releases of the destination plant.

2.2 Packaging data

Package data can also be transmitted in the DCI within record type 556.
The requirements are rounded in pack multiples for vehicle requirements; exceptions are pre-job#1 and balance out scenario.
This record type 556 is currently not used by FORD / FCSD.

2.3 Receiving dates/shipping dates

When the specification per receiving plant and part number are shipping dates ex vendor, all cum delivery quantities will be advanced by the transit time, which is related to the normal mode of transportation in CMMS3. The transit time will be recalculated into a transit quantity. The transit quantity will be considered in the Prior Cum calculation.

The data on record-type 552, position 13 indicates whether the requirements in the Daily Call-In are receiving or shipping dates.

Blank = receiving dates
V = shipping dates

2.4 Data for Reconciliation

For reconciliation purposes the year to date shipping cum taken out of your latest ASN will be compared against the Ford recorded cum, considering Cum Receiving + In Transit + In Plant Consignment.
Data transmitted in the Shipping Release is the last quantity (cum and net), the date of the last recorded ASN and the packing slip (ASN) number.

2.5 Ship to Codes (Customer Plant Code / Receiving Location)

A full list of all GSDB codes can be viewed on
http://www.nea1.ford.com/cgi-bin/db2www/mc/mc0001.d2w/report
(Procedure d-913 – GSDB Code Sequence)

2.5 Remarks

The part description will not be transmitted.

The book number of the Release Analyst is transmitted in the first text-string (record-type 557, field 03/3, position 34 - 37).

Attachment 1

Record Layout of the Daily Call-In Message

and Description of the Data Elements with Ford Requirements

Record Type **551**		**Version 01**				
Description:		HEADER RECORD SUPPLIER DCI DATA				
Field	Format:	Definition	Length	C/M	Value (e.g)	Notes
01	1-3	Type of Record	3	M	'551'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03	6-14	Customer Code	9	M	'FORD'	Customer Code, usually 'FORD' but can be agreed differently for special reasons, for service part requirements FCSD is reflected, left justified
04	15-23	Supplier Code	9	M	'P68PA'	Supplier Code as determined by Ford, the first 4 characters identify the supplier, the 5th character normally identifies the shipping-site of the supplier.
05	24-28	Transmission Number Old	5	M		Number of the last transmission
06	29-33	Transmission Number New	5	M		Is incremented by 1 at each transmission
07	34-39	Transmission Date	6	M	'020114'	Format YYMMDD
08	40-128	Blank	89	M		Filler

Record Type **552**		**Version 01**				
Description:		UNIQUE DATA ELEMENTS OF THE SUPPLIER RLEASE				
Field	Format:	Definition	Length	C/M	Value (e.g.)	Notes
01	1-3	Type of Record	3	M	'552'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03	6-8	Customer Plant Code	3	M	‘1Y’	Ford-length 2 characters, left justified
04	9-17	Release Number	9	M	'000660510'	Ford length 9 characters: three leading zeros, 5-digit release number, one trailing zero
05	18-23	Release Date	6	M		Format YYMMDD. Date of release generation.
06	24-45	Customer Part number	22	M		Ford length 22 characters, left justified, for more explanations see item 2.1 of the User Guide.
07	46-67	Supplier Part number	22	C		Will not be entered by Ford, can be transmitted in record type 557.
08	68-72	Receiving Location	5	M	‘YS’	Ford length usually 2 characters, left justified, identifies the unloading dock of the material.
09	73-79	Customer Storage Location	7	C	‘YM10-DR’	Market place.
10	80	Critical Part Indicator	1	C		Not used by Ford.
11	81	Requirement Indicator	1	M	‘S’	"S" for production material, "E" for service requirements.
12	82-87	DCI-Horizon	6	C		Will be filled with zeros as not used by Ford.
13	88	Receiving/Shipping Indicator	1	M		Blank = Receiving dates V = Shipping dates
14	89-100	Order Number / Finis-Code	12	C		Ford transmits the FINIS-Code from FCSD in this field
15	101-110	Overdelivery	10	C		Not used for Ford production material.
16	111-124	Usage Location Code	14	C		Shows the fitment point at the production line. Currently not used by Ford.
17	125-128	Blank	4	M		Filler

Record Type **553**		**Version 01**				
Description:		DAILY-CALL-IN RECONCILIATION DATA				
Field	Format:	Definition	Length	C/M	Value (e.g.)	Notes
01	1-3	Type of Record	3	M	'553'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03	6-15	Cumulative Quantity	10	M		The Year-To-Date quantity achieved according to the Ford plant receiving information
04	16-21	Receiving Date 1	6	M		Format YYMMDD
05	22-29	Advise Note Number 1 (ASN)	8	M		Advise Note Number of the last recorded shipment
06	30-35	Advise Note Date 1	6	M		Not used by Ford.
07	36-47	Delivered Quantity 1	12	M		Net quantity of the last recorded shipment
08	48	Delivery Status Indicator 1	1	M	'I'	Constant I = Already recorded as received
09	49-54	Receiving Date 2	6	M		Not used by Ford.
10	55-62	Advise Note Number 2	8	M		Not used by Ford.
11	63-68	Advise Note Date 2	6	M		Not used by Ford.
12	69-80	Delivered Quantity 2	12	M		Not used by Ford.
13	81	Delivery Status Indicator 2	1	M		Not used by Ford.
14	82-87	Receiving Date 3	6	C		Not used by Ford.
15	88-95	Advise Note Number 3	8	C		Not used by Ford.
16	96-101	Advise Note Date 3	6	C		Not used by Ford.
17	102-113	Delivered Quantity 3	12	C		Not used by Ford.
18	114	Delivery Status Indicator 3	1	C		Not used by Ford.
19	115-128	Blank	14	C		Filler

Record Type **554**		**Version 01**				
Description:		DAILY-CALL-IN REQUIREMENTS				
Field	Format:	Definition	Length	C/M	Value (e.g.)	Notes
01	1-3	Type of Record	3	M	'554'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03	6-11	Call-In Date 1	6	M		Format YYMMDD. Usually specifies the date at which the material should be shipped (see 552 position 13).
04	12-15	Call-In Time 1	4	C		Format HHMM. Not used by Ford
05	16-24	Call-In Quantity 1	9	M		Required quantity, FCSD = arrears quantity
06	25	Call-In Indicator 1	1	M		Remains blank, Ford transmits always 10 requirements.
07	26-31	Call-In Date 2	6	M		See position 03
08	32-35	Call-In Time 2	4	C		See position 04
09	36-44	Call-In Quantity 2	9	M		See position 05
10	45	Call-In Indicator 2	1	M		See position 06
11	46-51	Call-In Date 3	6	M		See position 03
12	52-55	Call-In Time 3	4	C		See position 04
13	56-64	Call-In Quantity 3	9	M		See position 05
14	65	Call-In Indicator 3	1	M		See position 06
15	66-71	Call-In Date 4	6	M		See position 03
16	72-75	Call-In Time 4	4	C		See position 04
17	76-84	Call-In Quantity 4	9	M		See position 05
18	85	Call-In Indicator 4	1	M		See position 06
19	86-91	Call-In Date 5	6	M		See position 03
20	92-95	Call-In Time 5	4	C		See position 04
21	96-104	Call-In Quantity 5	9	M		See position 05
22	105	Call-In Indicator 5	1	M		See position 06
23	106-111	Call-In Date 6	6	M		See position 03
24	112-115	Call-In Time 6	4	C		See position 04
25	116-124	Call-In Quantity 6	9	M		See position 05
26	125	Call-In Indicator 6	1	M		See position 06
27	126-128	Blank	3	M		Filler

Record Type **556**		**Version 01**				
Description:		PACKAGING DATA				
Field	Format:	Definition	Length	C/M	Value (e.g.)	Notes
01	1-3	Type of Record	3	M	'556'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03	6-27	Packaging Code Customer	22	M		Ford length 7 characters, left justified.
04	28-49	Packaging Code Supplier	22	C		Not used by Ford
05	50-56	Number of parts per pallet	7	M		Quantity in delivery units
06	57-128	Blank	72	M		Filler

Remark : This record type is currently not used by Ford.

Record Type **557**		**Version 01**				
Description:		DAILY-CAL-IN REMARK SECTION				
Field	Format:	Definition	Length	C/M	Value (e.g.)	Notes
01	1-3	Type of Record	3	M	'557'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03/1	6-32	Daily Call-In Text 1	27	C		Not used by Ford.
03/2	33	Blank	28	M		Filler
03/3	34-37	Text 1	4	C		Not used by Ford.
03/4	38-42	Blank	5	M		Filler
03/5	43	Text 1	1	C		Not used by Ford.
03/6	44-45	Blank	2	M		Filler
04	46-85	Daily Call-In Text 2	40	C		Not used by Ford.
05/1	86-105	Daily Call-In Text 3	20	C		Not used by Ford.
05/2	106-125	Text 3	20	C		Part related data
05/3	126-128	Blank	3	M		Filler

Record Type **559**		**Version 01**				
Description:		DAILY-CAL-IN TRAILER RECORD				
Field	Format:	Definition	Length	C/M	Value (e.g.)	Notes
01	1-3	Type of Record	3	M	'559'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03	6-12	Record Counter Record Type 551	7	M		Number of transmitted records, record type 551
04	13-19	Record Counter Record Type 552	7	M		Number of transmitted records, record type 552
05	20-26	Record Counter Record Type 553	7	M		Number of transmitted records, record type 553
06	27-33	Record Counter Record Type 554	7	M		Number of transmitted records, record type 554
07	34-40	Record Counter Record Type 556	7	M		Number of transmitted records, record type 556
08	41-47	Record Counter Record Type 557	7	M		Number of transmitted records, record type 557
09	48-54	Record Counter Record Type 559	7	M		Number of transmitted records, record type 559
11	55-128	Blank	74	M		Filler