

CC USA Supplier Communication Handbook Ver. 0.9

Revision History

Revision Level	Change Date	Reason for change, affected pages	Author
Revision 1.4 of GSS+	02/01/2016	GSS+ solution	D.Kussmaul (SC/SCSI) F. Heiss (ITP/AL)
0.9	12/03/2018	Initial draft	Daniel Weber (SAP)

IMPORTANT: *Check with CC USA for any late-breaking changes to this specification.*



Mercedes-Benz
U.S. International, Inc.

Table of Content

Revision History	1
Table of Content	2
1 Introduction/Preamble	3
1.1 Data flow between CC USA and suppliers.....	3
2 Material Release (ANSI 830).....	4
3 JIS Preview	4
3.1 Example of JIS Preview	5
4 Advanced Shipping Notification (ASN) ANSI 856 including automatic reconciliation	6
4.1 Structure of the delivery notification ANSI856	6
4.2 JIS receiving process.....	7
4.3 ASN for reordering parts.....	7
4.4 997 - Functional Acknowledgement	7
5 Prepayment Advice (ANSI 820)	8
6 JIS Reordering.....	9
6.1 Reorders	9
6.2 Special orders.....	10

1 Introduction/Preamble

This document provides the Suppliers of Mercedes Benz U.S. International Inc. (CC USA) with a description of the data types and formats which are exchanged between CC USA and the Suppliers during the supply of parts.

The Consolidation Center USA is a logistics facility located in Woodstock, AL with the purpose of consolidating and shipping parts and kits for the international CKD and SKD production of BR167 within the Mercedes Benz Cars production network. The CC USA is part of Mercedes Benz US International but will have their own physical location, plant code and unloading points. In the following we will always refer to this as “CC USA”.

The general approach is to stay with the commonly known EDI standards introduced by MBUSI for all BR167 suppliers. So in general regarding EDI connections CC USA will just be another unloading point for all suppliers.

1.1 Data flow between CC USA and suppliers

Suppliers receive two major types of data from CC USA:

1. Material Release
2. JIS Preview (in case of sequenced parts)

CC USA receives up to 2 types of data from the sequenced suppliers:

1. JIT-ASN
2. JIS-ASN (in case of sequenced parts)

2 Material Release (ANSI 830)

The Material Release or forecast is sent to the supplier as an EDI 830 ANSI standard transaction through EDIS. Each supplier receives only forecasts about the parts provided by that supplier.

Each day's forecast includes:

- Daily volumes for each part for the next 20 business days
- Volume for the remainder of the month (balance after the 20 days)
- Monthly volumes for each part for the following 3 – 6 calendar months

In case of JIS suppliers: Note that the data sent for the current week is redundant with the JIS Preview data. The difference is that the JIS Preview refers to a vehicle production number, whereas forecasts are aggregated by part. In the event of an error or a change in the schedule; the supplier should be informed as to the cause.

The EDI 830 format is included in the EDI 830 Specification. The Guide is provided on the supplier portal, which is available online on the public internet at:

<https://daimler.portal.covisint.com/web/mbusi>

3 JIS Preview

The JIS Preview provides detailed information at the production number level and contains information about the required part numbers (BOM – Bill of Material) and their volume.

The JIS Preview will only be transmitted to the parts supplier directly in case there is no sequencer in between CC USA and the parts supplier. In case there is a sequencer the JIS Preview will be sent by the sequencer.

A message will always include all the necessary information for one production number. If there is a change relating to a part number or the due date the complete message will be sent again replacing the previous message.

Every day CC USA sends the JIS Preview related to orders that are basically 10 days from planned assembly start via EDIS (EDIS is the frame network which connects all outgoing and incoming messages with suppliers). The exact timing when the JIS Preview is sent, can be adjusted for each supplier.

The format for the JIS Preview which CC USA uses, is based on the Daimler Business Process Format. A detailed description of all provided record types and data fields can be recaptured in the JIS Preview specifications.

3.1 Example of JIS Preview

The initial transmission of the JIS Preview will be an AMS_INIT message for each vehicle. A change in the JIS Preview for a single vehicle will be sent as an AMS_CHNG message.

The change can be triggered by a change of any field in the JIS Preview. Those changes can be, but are not limited to:

- Change of the bill of material.
- Change of a receiver field.
- Change of the planned assembly start date.
- Change in the TTZ-Date.

The AMS_CHNG message will replace any previous message. The identifier is the 10-digit production number in the 6174_Record.

If an AMS_CHNG message is received without receiving a previous AMS_INIT message, the AMS_CHNG message has to be treated like an AMS_INIT message.

Periodically CC USA will decide not to produce. If this case occurs, an AMS_DELE message will be transmitted. The identifier is also the 10-digit production number in the 6174_Record. This message indicates that all activities related to this production number have to be stopped.

4 Advanced Shipping Notification (ASN) ANSI 856 including automatic reconciliation

4.1 Structure of the delivery notification ANSI856

The following must be taken into account when creating the delivery notification ANSI856:

1. CC USA requires suppliers to send an Advanced Shipping Notification (ASN) for all parts to signal that parts are on their way and to initiate the payment process upon goods receipt. The ASN is to include the production numbers of the vehicles.
2. Sequence suppliers are requested to send an ASN for the content of each truck as it leaves the supplier.
3. Technical documentation of the ANSI856 message format is provided on the supplier portal, which is available online on the public internet at: <https://daimler.portal.covisint.com/web/CCUSA>

Example for production number mapping in LIN segment:

```
HL*3*2*I!  
LIN*00010*BP*A2057801300 1C51*EC*Q2!  
SN1**3*EA!  
PRF*5500115222***00060!  
PID*F**AB*S!  
MEA**G*20*KG!  
REF*JN*0009070113!  
REF*JN*0009071105!  
REF*JN*0009071109!
```

4. A unique external delivery note number must be generated for each ASN. Only one unloading point per ASN is possible. Delivery note numbers can only be used by a supplier once per calendar year.
5. JIS and non-JIS parts cannot be mixed in one ASN (JIS and non-JIS parts have different unloading points.)
6. The ASN for JIS parts does not include any information about the packaging, hence sending handling unit information is not required.
7. Multiple material numbers for the same vehicle to the same unloading point must be included on one ASN with the same external delivery note number.

4.2 JIS receiving process

CC USA compares the information in the JIS Preview with the information sent in the ASN. If the ASN reconciliation shows no discrepancy, the goods receipt will be posted and the payment process will begin.

In the event of an error or discrepancy, the supplier/service provider will be informed by email and has the option to correct the delivery note in the IBL/DQM system in the Daimler Supplier Portal or to delete the delivery and send a corrected ASN.

Who is affected?

All JIS suppliers and service providers who send JIS parts.

Discrepancies within delivery notifications must be processed promptly. We would like to point out that only correct delivery notes are booked as incoming goods and receive payment.

4.3 ASN for reordering parts

An ASN for parts ordered via the defined reordering process for scrap or DMT materials is required. Details are provided in chapter on 'JIS Reordering'.

4.4 997 - Functional Acknowledgement

To track if an ASN was successfully transmitted, EDIS will acknowledge the receipt with an ANSI997 message.

Please see the detailed specification for the ANSI997 message on the CC USA supplier portal:
[https://daimler.portal.covisint.com/web/CC USA](https://daimler.portal.covisint.com/web/CC%20USA)

5 Prepayment Advice (ANSI 820)

A Prepayment Advice is sent to the supplier as an EDI 820 ANSI standard transaction through EDIS. This message is optional and will be sent by the CC USA finance system separately upon supplier's request.

The EDI 820 format is included in the EDI 820 Specification, which is available online on the public internet at:

<https://daimler.portal.covisint.com/web/mbusi>

6 JIS Reordering

Valid from 10-Jul-2017, until then the current CC USA reordering processes are valid.

CC USA distinguishes two cases of reordering with the launch of the Global Supply System +.

The 2 cases are:

- reorders (for damaged parts)
- special orders

6.1 Reorders

Reorders are for regularly produced vehicles which have a production number. When a sequenced commodity is damaged, CC USA creates a reorder. For the reorder the supplier receives updated material releases for all affected parts and a JIS Preview with the Bill of Material (BOM).

CC USA will also transmit a Fax/e-Mail which contains information about the quality related topics (defect description, liability for the issue, etc.) and also the delivery destination (unloading point).

The BOM in the reorder JIS Preview can deviate from the initially sent JIS Preview and can contain the complete JIS commodity, a subset or single parts.

The reorder has to be assembled as far as possible. If it is not clear how to deal with a reorder (especially partial reorders), get in touch with your contact person at CC USA.

The JIS Preview will include the original 7-digit production number in the Message Header (field 5.1) and an alphanumeric 10-digit production number in the 6174_Record (field 1).

The 10-digit production number for reorders is the 7-digit production number with a 3-digit suffix. The suffix starts with 'R' (for reorder) and ends with a 2-digit counter for the number of reorders for this particular production number.

e.g.

Original 7-digit production number	7654321
Original 10-digit production number	0007654321
1st reorder production number	7654321R01
2nd reorder production number	7654321R02

A JIS-ASN with reference to the 10-digit production number is mandatory.

CC USA will not send a JIS Broadcast, the delivery is expected as soon as possible.

A reorder can be cancelled. Therefore an AMS_DELE will be transmitted. If the reorder was already assembled or shipped, get in touch with your contact person at CC USA.

6.2 Special orders

Special orders are not related to a vehicle. Those orders are used for training or testing purposes. For the special order the supplier receives updated material releases for all affected parts and a JIS Preview with the BOM.

The JIS Preview will include the string 'SPECIAL' in the 7-digit production number field in the Message Header (field 5.1) and a numeric 10-digit production number in the 6174_Record (field 1).

A JIS-ASN with reference to the 10-digit production number is mandatory.

CC USA will not send a JIS Broadcast, this is only sent for regular planned and assembled vehicles.

The payment process is triggered like a regular order with goods receiving