

# Supplier Communication Handbook

## Ver. 1.6.1

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### Revision History

Revision Level	Change Date	Reason for change, affected pages	Author
0.8	14.08.17	Initial take over from JIS supplier communication handbook vers. 1.4. from AmSupply / Initial rework for GSSplus	Dennis Kussmaul / Jörg Bitter, Daniel Weber
1.0	06.11.17	Released version for supplier	Matthias Widmann / Lukas von Döringk; Daniel Weber
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1.6	18.01.2018	Change Wording JIS process pack data	Matthias Widmann
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16.2	14.03.2019	WAVE 2 (Updates M. Widmann)	Peter Heidecke

**IMPORTANT:** Check with MB ExTra for any late-breaking changes to this specification.

MB ExTra LLC

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## Introduction/Preamble

This document provides the Suppliers of MB ExTra LLC a description of the data types and formats which are going to be exchanged between MB ExTra LLC and the Suppliers during the supply of JIS and JIT parts.

In this version it will be documented 4 several logistic types:

1. JIS Maquiladora (COMPAS) - P1
2. JIT direct Maquiladora (COMPAS) – P2
3. JIT direct via HUB Laredo (COMPAS) - P3
4. KON direct (German plants) - P4

Special IT flows are related to the process models (P1 – P4)

## Data flow between MB ExTra LLC and suppliers

1.1 The technical communication between US and mex. Supplier will be in ANSI formats. There are several different messages which are depending from the logistical process. All messages are based on ANSI X12 V4010 standard:

- JIS Suppliers with communication via COMPAS (P1) receives three major types of data from MB ExTra LLC.:
  1. Material Release (ANSI830)
  2. JIS Preview (ANSI866)
  3. JIS Option Codes and Baumuster Information (ANSI864)
- All JIT direct suppliers with direct delivery to COMPAS (P2) receives types of data from MB ExTra LLC
  1. Material Release (ANSI 830)
  2. RAN information's (ANSI 862) for RAN / A-RAN / E-RAN / S-RAN / T-RAN calls
- JIT direct via Laredo HUB (P3) and KON direct supplier (P4) gets only:
  1. Material Release (ANSI 830)
- For all cases (JIS and JIT) MB Extra LLC receives an ASN based on ANSI 856 from each supplier, there are **different descriptions for JIS and JIT** available.
- Confirmation of ASN message will be done via ANSI 997 message from the MB ExTra EDI system to the supplier



## Data description

### Material Release (ANSI 830)

2 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.

2.1 Example: Each day's/weekly forecast includes:

- Daily volumes for each part up approx. to next 20 business days
- Volume for the remainder of the month (balance after the 20 days)
- Monthly volumes for each part up approx. to the following 9 calendar months

➔ Information about the BGM qualifier for JIT processes

The EDI 830 format and specification for MB Extra LLC will be provided in a separate file on the Daimler supplier portal and is not part of this document.

### JIS Preview Call (ANSI 866)

2.2 Details see chapter 3 (JIS process) and separate descriptions

### JIS Option codes and Baumuster (ANSI 864)

2.3 This message will contain all option codes (Baumuster) codes per VIN. It will be transmitted from COMPAS to MB ExTra per EDI system and then directly from MB ExTra to the supplier. The message will only be handled per EDI system, it will not be seen and maintained within the GSS+ function.

2.4 Details see separate description

### RAN Information's (ANSI 862)

2.5 Details see separate description

### ASN Data (ANSI 856)

Details see separate description

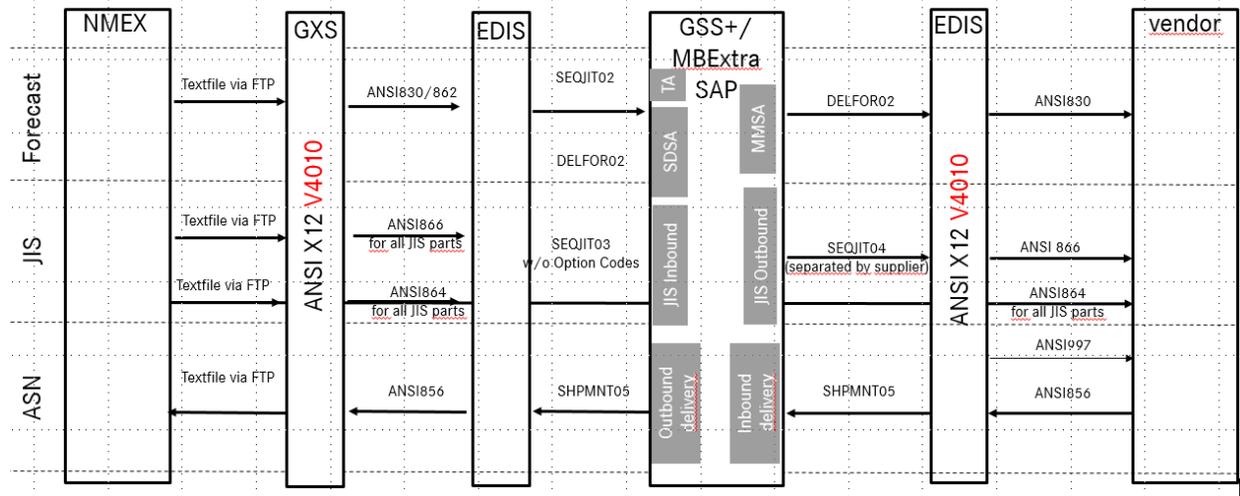
## Process Overview

### JIS Process

This chapter is only relevant for few so called JIS suppliers, all other suppliers (JIT Delivery) are not affected.

#### 3 IT Process overview:

##### 3.1 EDI communication for MBExtra



#### 3.1.1 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.

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 MB ExTra LLC sends the JIS Preview related to orders that are basically 8 - 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 MB ExTra LLC uses is ANSI X12\_4010\_866 format.

##### 3.1.1.1 Content of JIS Preview

A detailed description of all record types and data fields will be provided in a separate file on the Daimler supplier portal and is not part of this document.

### **3.1.1.2 Example of JIS Preview**

The transmission of the JIS Preview will be one message for each vehicle. A change in the JIS Preview for a single vehicle will be sent as a new transmission message. The change can be triggered by a change of the vehicle BoM or a change of the planned start date. The identifier is the 17-digit VIN in the ANSI 866 LIN07 Segment.

### **3.1.2 Option codes / Baumusterinformation's (ANSI 864)**

Except for sender/receiver IDs (ISA/GS) there are no changes to this message type/EDI process to the current handling.

A Technical documentation of the ANSI864 and all record types and data fields will be provided in a separate file on the Daimler supplier portal and is not part of this document.

The format which MB ExTra LLC uses is ANSI X12\_4010\_ 864 format.

### **3.1.3 Advanced Shipping Notification (ASN) ANSI 856 including automatic reconciliation**

#### **3.1.3.1 Structure of the delivery notification ANSI856 for JIS (P1)**

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

1. MB ExTra LLC. requires JIS suppliers to send an Advanced Shipping Notification (ASN) for sequence 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. A Technical documentation of the ANSI856 and all record types and data fields will be provided in a separate file on the Daimler supplier portal and is not part of this document.
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 can include information about the packaging but no handling unit information is required or transmitted.
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.

#### **3.1.3.2 JIS receiving process**

MB ExTra LLC will accepted JIS deliveries without checks. JIS deliveries will be checked by COMPAS.

In the event of an error or discrepancy, the supplier/service provider will be informed by COMPAS.

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.

### 3.1.4 Label definition

*Label definition will be done individually between MB Ex and supplier for the JIS processes.*

### 3.1.5 Special process Damaged parts

Reorders are for regularly produced vehicles which have a production number. When a sequenced commodity is damaged, MB ExTra LLC creates a reorder per EDI (ANSI 866). For the reorder the supplier receives updated material releases for all affected parts and a JIS Preview with the Bill of Material (BOM).

MB ExTra LLC will also transmit a **Fax / E-Mail** which contains information about the quality related topics (**S-RAN no. per every material no.**, 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 MB ExTra LLC.

The JIS Preview will include an alphanumeric 20-digit reorder number in the LIN07 segment which contains the original 17-digit VIN and 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.**

<b>Original VIN</b>	<b>12345678901234567</b>
<b>1<sup>st</sup> reorder for VIN</b>	<b>12345678901234567R01</b>
<b>2<sup>nd</sup> reorder for VIN</b>	<b>12345678901234567R02</b>

**A JIS-ASN with reference to the 20-digit reorder is not needed.**

If the reorder was already assembled or shipped, MB ExTra LLC will get in touch with your contact person.

The automatic process for sending a 866/864 is actual not available. MB ExTra will inform all supplier when it is implemented.

#### 3.1.5.1 ASN for reordering JIS parts

An ASN from the supplier per EDI is not requested. MB Extra needs a shipping form with a list of material no. per VIN with the relevant S-RAN numbers. That must be send via an Excel file with the requested information's. That includes all need fields with VIN no. and RAN no(s).

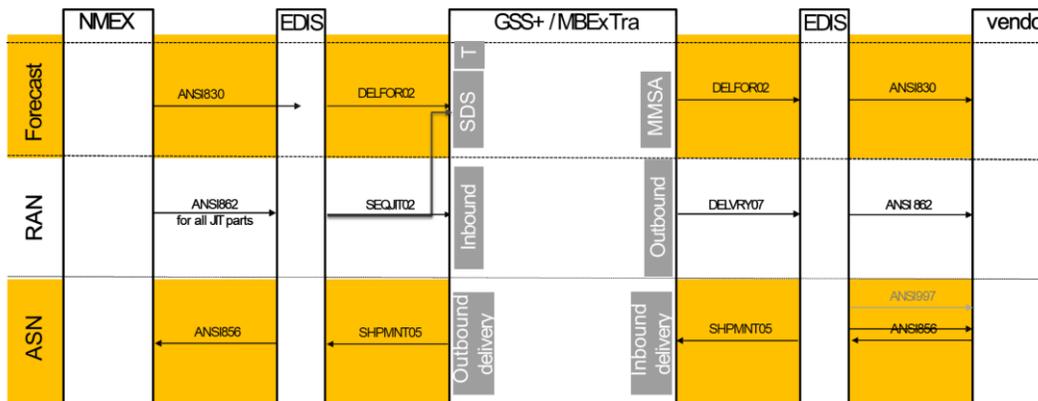
This Excel file will be loaded manually from MB ExTra into the system.

## Logistic handling via JIT direct (P2)

### 3.2.1 Logistic handling via FCL/FTL Direct Delivery

IT Process overview:

### 3.2 JIT EDI communication for MBExTra



#### 3.2.2 Messages for JIT suppliers

- ANS 830
- ANS 862 (RAN / A-RAN)

#### 3.2.3 ASN for JIT suppliers

For Direct Delivery without any handling in a consolidation center goods will be physically supplied from supplier directly to a dedicated customer. This can be either COMPAS or any other customer in the world. The requirements in the ANSI 856 specification will be described in the EDI Spec document. For different supply chains different process identifier could be used.

For example:

BSN = 12      Direct Delivery FTL US supplier to COMPAS Mex **(P2)**

#### 3.2.4 Special process Reorder for JIT parts

⇒ A-RAN / E-RAN

### 3.2.5 Label definition

Example of the required COMPAS label:

PART NUMBER (P) <b>1 2101088R00</b>	
*P2101088R00*	
PART DESCRIPTION (35 CHARACTERS) <b>2</b>	
QUANTITY (Q) <b>4 10 Unit</b> PACKAGING <b>5 XXX</b> <b>3</b> JY PR X0000000000 0000	
*Q10*	
ENTRY DATE IN COMPAS PLANT (DD MMM AA) <b>8</b>	
*V004321*	
UNLOADING POINT <b>11</b> AAAAA SHELF IN WAREHOUSE <b>12</b> BBBBB	
*NA12345DAI	
SUPPLIER (V) <b>9</b> *V004321*	
SUPPLY ROUTE <b>13</b> CCCCC LINE FEED <b>14</b> DDDDD	
SERIAL NO. (S) <b>10</b> *S000001*	
ILN OUTGOING DATE <b>15</b> 2017-04-18 ILN <b>16</b> XXX	

Barcode information:

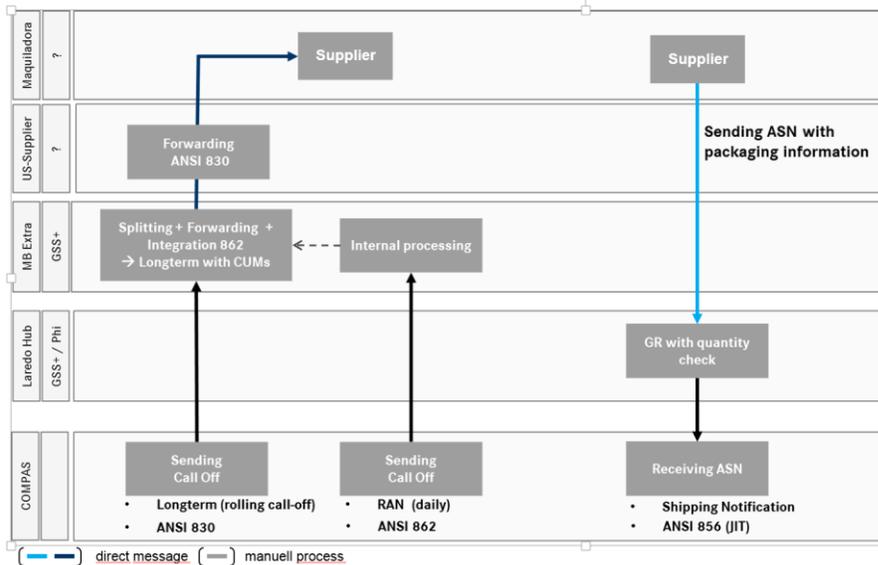
- (P) Part Number
- (Q) Quantity
- (15k) RAN
- (V) Supplier Code
- **(S) Serial Number**

## Logistic handling via HUB (consolidation center) (P3)

IT Process overview:

MB ExTra LLC – JIT serial process implementation

### 3.3 JIT Process Messages (with supplier code)



All US domestic dispatch locations and Maquiladoras that supply to COMPAS will be connected via EDI to MB Extra LLC. For all JIT (non-JIS) supplier the physical flow of the materials is handled via the defined Consolidation Center (HUB). For shipping it is expected to receive an ASN (ANSI 856) for the content of each truck as it leaves the supplier with reference to the material release information (830).

A technical documentation of the JIT ANSI856 and all record types and data fields will be provided in a separate file on the Daimler supplier portal and is not part of this document.

The format for the ASN message which MB ExTra LLC uses is ANSI X12\_4010\_ 856 format.

#### 3.3.1 Logistic handling via FCL/FTL Direct Delivery

The requirements in the ANSI 856 specification will be described in the EDI Spec document. For different supply chains different process identifier could be used.

For example:

- BSN = 01      Delivery FTL US supplier to the logistic HUB **(P3)**
- BSN = 12      Direct Delivery FTL US supplier to COMPAS Mex **(P2)**
- BSN = 13      Direct Delivery FCL US supplier to customer worldwide **(P4)**

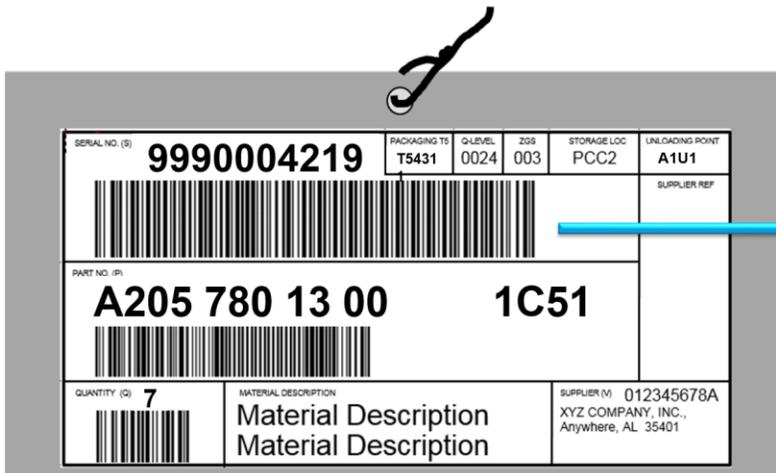
### 3.3.2 ASN for JIT suppliers (P2 - P4)

### 3.3.3 Label Specification JIT suppliers (US domestic and Maquiladoras) (P2/P3)

All supplier that deliver via the consolidation center (HUB) need to use a special label format. The specification and layout of this label will be provided in a separate file on the Daimler supplier.

Example of the requested MB ExTra label:

#### MB ExTra label description



- Barcode information:
- (V) Supplier no.
  - (S) Packaging no.
  - (Q) Quantity

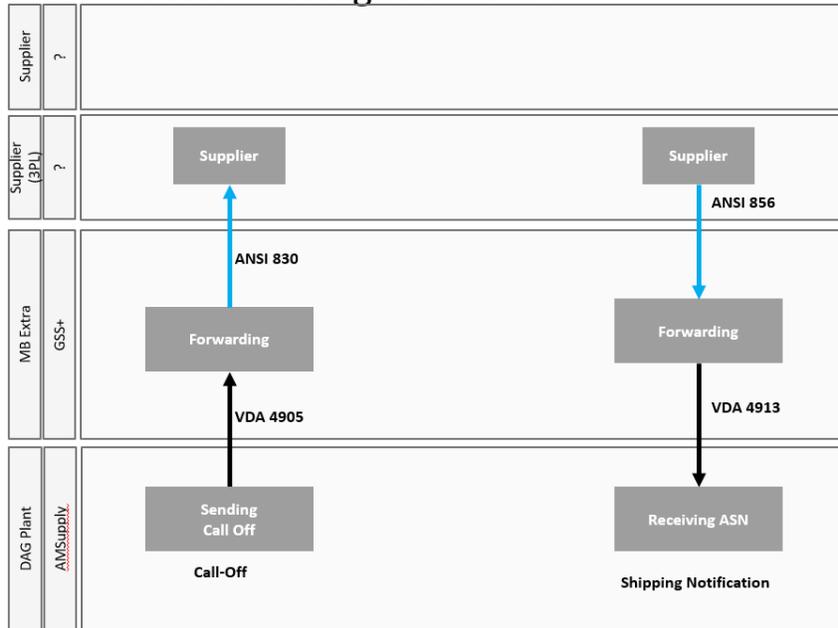
Barcodes scans (Example):  
V012345678AS9990004219Q7  
PA2057801300 1C51  
Q7

## Logistic handling KON direct world wide plants (P4)

### 3.4.1 IT process overview

Implementation MB ExTra LLC – Wave 2

#### 3.4 JIT Process Messages DP Draft



### 3.4.2 Logistic handling via KON Direct Delivery (Forecast Message)

For this process MB ExTra will use the ANSI 830 message.

Special term in this process will be to locate the German plant to which the supplier has to deliver. This information is located in the N4 Segment, field 06 Tag 310 (customer storage location) with the following content:

1. FNBO plant code 050, Sindelfingen
2. FND0 plant code 054, Rastatt
3. FNC0 plant code 067, Bremen

### 3.4.3 Specifications for the ASN (ANSI 856) (WAVE 2 – German plants)

The requirements in the ANSI 856 specification will be described in the EDI Spec document. For different supply chains different process identifier could be used.

For example:

BSN = 13      Direct Delivery FCL US supplier to customer worldwide **(P4)**

**3.4.4 Label Specification KON suppliers (P4)**

**Material label according to VDA 4902, version 4  
(for details see Daimler EDI manual)**