

Message Implementation Guideline

## **CCUSA\_BPF**

Based on

**Daimler internal BPF (Business Process format)**  
JIS Preview

**Version 1.0:** April 20, 2018

# Change History

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# 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. It also contains the planned assembly start date of a vehicle. This date is not qualified to determine the final vehicle sequence.

Every day CCUSA sends the JIS Preview related to orders that are basically 10 days from planned assembly start. The exact timing when the JIS Preview is sent can be adjusted for each supplier.

The format of the JIS Preview that CCUSA uses is based on the Daimler Business Process Format. A detailed description of all provided record types and data fields is as follows:

## 1.1 Content of JIS Preview

Field	Description	Data Type	Field Usage*	Length	From	To	Comment
<b>MESSAGE HEADER LAYOUT</b>							
1	Serial number	String	n	8	1	8	
2	Business process	String	m	8	9	16	Values: AMS_INIT for initial and AMS_CHNG for additional transmission. AMS_DELE for deleted orders.
3	Business process ver.	Numeric	n	4	17	20	
4	Timestamp	Time	m	19	21	39	Format: yyyy.mm.dd#hh:mm:ss
5	Base object (BO)	String		100	40	139	
5.1	Vehicle order number	String	o	12	40	51	
5.2	Production number	String	m	7	52	58	7-digit production number. In case of an additional order without relation to a real production number value of the field will be "SPECIAL"
5.3	Vendor code	String	m	10	59	68	
5.4	TTZ date	Numeric	o	12	69	80	
5.5	TTZ Frozen code	String	n	1	81	81	
5.6	Filler	String	n	22	82	103	
5.7	Idoc number of related JIT call	Numeric	n	16	104	119	
5.8	Filler	String	n	20	120	139	
6	Data	String		var.			
<b>RECORD HEADER LAYOUT</b>							
1	Record-id	String	m	12	1	12	Format: "nnnn_RECORD"
2	Record length	Numeric	m	10	13	22	Counts all chars used in all following items from the same record type and the chars used in the record layer. Right-justified, filled up with zeros.
3	Number of items	Numeric	m	8	23	30	Counts all following items of the same record type. Right-justified, filled up with zeros.
<b>6174_Record Additional Header Data</b>							
1	Extended production number	String	m	10	1	10	If production number starts with 000 it is a regular order. If it is alphanumeric it is a reorder. Else it is a special order
2	Check digit	String	m	1	11	11	
3	Filler	String	n	117	12	128	
<b>5131_RECORD</b>							
1	Baumuster	String	m	8	1	8	

2	Paint UT	String	m	4	9	12	right-justified
3	Paint OT	String	n	4	13	16	
4	Upholstery	String	m	3	17	19	
5	Technical flag (PA1)	String	m	1	20	20	
6	Plant	String	m	4	21	24	Left justified
7	Decade sales (yyyymmdd)	String	n	8	25	32	

#### 5135\_RECORD

1	Check point	String	m	4	1	4	3 digit key identifying the assembly line. Left justified
2	Date (yyyymmdd)	String	m	8	5	12	Planned start date on assembly line. Format YYYYMMDD
3	Time (hhmm)	String	m	4	13	16	Planned start time on assembly line. Format HHMM

#### 5153\_RECORD

1	Version number	String	n	2	1	2	
2	Processing mark	String	n	1	3	3	
3	MB part number	String	m	24	4	27	left justified
4	Counting number	String	n	3	28	30	
5	Leading receiving group	String	m	4	31	34	
6	Volume	String	m	9	35	43	
7	Additional receiving groups	String	m	36	44	79	

#### 5169\_RECORD

1	Code number	String	m	4	1	4	There is one 5169_Record for each TBE code. TBE codes are 1 to 4 digits long. Left justified
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\*mandatory (m), optional (o) or not used (n)

## 1.2 JIS Preview Variants

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 CCUSA 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.

## 2 Example messages

### 2.1 Example AMS\_INIT Message

```
AMS_INIT 2016.03.24#16:44:1300002620950712345670015571995201603240122
6174_RECORD 000000004100000001
00012345671
5131_RECORD 000000005400000001
20508712 040 965 138
5135_RECORD 000000004600000001
AS1 201603070600
5153_RECORD 000000034600000004
A2134902702 RG01 1.000RG02RG03RG04RG05RG06RG07RG08RG09RG10
A2134903511 3.000RG02RG03 RG05RG06RG07RG08RG09RG10
A2051132020 9051 RG01 3.000RG02RG03RG04RG05RG06RG07RG08RG09RG10
N000000008169 RG01 12.000RG02RG03RG04RG05 RG07RG08RG09RG10
5169_RECORD 000000006200000008
056
12B
1U3
2233
955A
YJCY
017
H11
```



## 2.2 Example AMS\_CHNG Message

```
AMS_CHNG 2016.03.27#16:48:1300002620950712345670015571995201603240122
6174_RECORD 000000004100000001
00012345671
5131_RECORD 000000005400000001
20508712 040 965 138
5135_RECORD 000000004600000001
AS1 201603070600
5153_RECORD 000000026700000003
  A2134902702          RG01  1.000RG02RG03RG04RG05RG06RG07RG08RG09RG10
  A2134903511          RG01  3.000  RG03
  A2051132010          9051  RG01  3.000RG02RG03RG04RG05RG06RG07RG08RG09RG10
5169_RECORD 000000005400000006
056
12B
1U3
2233
955A
YJCY
```

### 2.3 Example AMS\_DELE Message

```
AMS_DELE 2017.08.09#02:40:1600003092609263004420015449325
6174_RECORD 000000015800000001
00063004428
5131_RECORD 000000006200000001
16712112 859 101 138
5135_RECORD 000000004600000001
BPH 2017100507
```