

# **EDI-Documentation**

## **Assembly receipts (Goods receipt notification) (Version 0. / 1. Draft)**

**RECADV**

**UN-D02A**

**Stand: Februar 2015**

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# **1. Principles for the electronic exchange of assembly documents**

## **1.1. Introduction**

The structure used by the BSH factories for assembly documents corresponds to the structure of goods receipt notifications UN/EDIFACT RECADV. Directory D02A is used. With the exception of the less relevant segment IMD (material short text), the message is downward compatible, e.g. with 96A.

The message is identified by the message type RECADV in the UNH segment and by the identification 352 in the BGM segment.

## **1.2. Structure and content of the message**

### **Construction**

An EDI message starting with an UNH segment contains a document with one item. An EDI transmission, starting with UNA/UNB segments, can contain several messages (assembly/goods receipt notifications).

### **Assembly document number (BGM)**

The delivery note number generated by BSH is used as the assembly document number. The number is also transmitted in the credit advice as a reference so that a reference can be made.

### **Material number**

The BSH material number and the short text are transferred to each item.

### **Delivery schedule number (BSH order number)**

The delivery schedule number is contained in each item. It is the reference to our "order" (delivery call-off/framework agreement).

### **Quantities**

With qualifier 194, the accepted and installed quantity is shown in the QTY. Qualifier 195 is for cancellations. In the case of cancellations, a QVR segment is also transmitted in which the reason for the cancellation could be stored (not used in this version).

### **1.5. Test handling**

At the beginning, test data records are either sent to a mailbox of the supplier or directly via OFTP/ISDN. There is a check for syntax, content and correct processing.

After successful tests, a productive deployment date is agreed. From this point in time, the EDI data is binding..

If an "Agreement on electronic data exchange" has not yet been concluded with the supplier, this will be sent by BSH in good time for productive operation. It regulates transmission dates, formats, organization, archiving, etc.

### **1.6. Supplements**

Februar 2015: Change of company name after „BSH Hausgeräte GmbH“

## 2. Message structure (overview and use at BSH)

		<i>Segment</i>	<i>Mandatory/Conditional</i>	
			<i>Gruppe:</i>	<i>Segm.:</i>
		UNH Message header	M	
		BGM Beginning of message	M	
		DTM Document Issue Date	M	
G04		NAD SU, Seller's number in BSH	M	M
G04		NAD BY, Buyer's number (BSH Factory Nr in Supplier	C	M
┌G16		CPS	C	M
	┌G22	LIN Position data, material number of the BSH	M	M
		PIA Material number seller (dummy)		C
		IMD Item description BSH		C
		QTY Quantity from assembly/goods receipt		M
		QVR Cancellation quantity/cancellation reason (dummy)		C
└G16	└G22 G28	RFF BO, Agreement number	C	M
		CNT Control segment	C	
		UNT Message end segment	M	

**3. Beispiel eines Montagebeleges**

UNA:+.? '  
UNB+UNOB:1+BSHGHWG+PARTNER4711+030410:1514+888'  
UNH+00000091000001+RECADV:D:02A:UN'  
BGM+352+00001234+9'  
DTM+137:20030415:102'  
NAD+SU+0000045374::92'  
NAD+BY+KUNDE375::91'  
CPS+1++4'  
LIN+1++1701623014:BP'  
PIA+1+-1:VP::91'  
IMD+++1::92:Schraube Platin M13'  
QTY+194:2400:PCE'  
RFF+BO:550001230010'  
CNT+31:1'  
UNT+13+00000091000001'  
UNH+00000091000055+RECADV:D:02A:UN'  
BGM+352+00001235+9'  
DTM+137:20030415:102'  
NAD+SU+0000045374::92'  
NAD+BY+KUNDE375::91'  
CPS+1++4'  
LIN+1++56008452:BP'  
PIA+1+-1:VP::91'  
IMD+++1::92:Mutter M13'  
QTY+195:150:PCE'  
QVR+2400:195'  
RFF+BO:5500855127'  
CNT+31:1'  
UNT+14+00000091000055'  
UNZ+1+888'

## EDI documentation RECADV (Technical documents)

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... mit Bemerkungen:

UNA:+. ? '	
UNB+UNOB:1+BSHGHWG+PARTNER4711+030410:1514+888'	
UNH+00000091000001+RECADV:D:02A:UN'	RECADV D02A
BGM+352+00001234+9'	Document Nr. = Delivery Note nr.
DTM+137:20030415:102'	Receipt date
NAD+SU+0000045374::92'	Supplier's Number in BSH-System
NAD+BY+KUNDE375::91'	BSH's customer in Supplier system
CPS+1++4'	
LIN+1++1701623014:BP'	Material number (BSH)
PIA+1+-1:VP::91'	Material number (supplier) (Dummy!!)
IMD+++1::92:Schraube Platin M13'	Material text (BSH)
QTY+194:2400:PCE'	Amount, received and accepted (194)
RFF+BO:550001230010'	Reference to master agreement
CNT+31:1'	
UNT+13+00000091000001'	End of message
UNH+00000091000055+RECADV:D:02A:UN'	
BGM+352+00001235+9'	
DTM+137:20030415:102'	
NAD+SU+0000045374::92'	
NAD+BY+KUNDE375::91'	
CPS+1++4'	
LIN+1++56008452:BP'	
PIA+1+-1:VP::91'	
IMD+++1::92:Mutter M13'	
QTY+195:150:PCE'	Quantity not accepted (195)
QVR+2400:195'	Cancellation information (Dummy)
RFF+BO:5500855127'	
CNT+31:1'	
UNT+14+00000091000055'	
UNZ+1+888'	

## EDI documentation RECADV (Technical documents)

### 4. Segmentdokumentation

Nr.	Segment	St	Wdh.	Segment name
1	<b>UNH</b>	M	1	<b>Message header</b>

EDIFACT-Segment	Example	St	St	Format	Instructions for use
<b>UNH</b>	UNH				
<b>0062</b> MESSAGE REFERENCE NUMBER	+4711	M	M	an..14	Sender's unique message reference. Identical to DE 0062 in UNT, assigned by the sender
<b>S009</b> MESSAGE IDENTIFIER		M	M		
<b>0065</b> Message type	+RECADV	M	M	an..6	RECADV = Assembly/goods receipt notification
<b>0052</b> Message version number	:D	M	M	an..3	
<b>0054</b> Message release number	:02A	M	M	an..3	02A = Version 2002A
<b>0051</b> Controlling agency	:UN	M	M	an..2	
<b>0057</b> Association assigned code		C	C	an..6	
<b>0068</b> COMMON ACCESS REFERENCE		C	C	an..35	
<b>S010</b> STATUS OF THE TRANSFER		C	C		
<b>0070</b> Sequence of transfers		M	M	n..2	
<b>0073</b> First and last transfer		C	C	a1	

Example: **UNH+4711+RECADV:D:02A:UN'**



## EDI documentation RECADV (Technical documents)

Nr.	Segment	St	Wdh.	Segment name
2	<b>BGM</b>	M	1	<b>Beginning of message</b>

EDIFACT-Segment	Example	St	St	Format	Instructions for use
<b>BGM</b>	BGM				
<b>C002</b> DOCUMENT/MESSAGE NAME		C	C		
<b>1001</b> Document name code	+352	C	C	an..3	352 = Goods receipt notification
<b>1131</b> Code list identification code		C	N		
<b>3055</b> Code list responsible agency code		C	N		
<b>1000</b> Document name		C	C	an..35	
<b>C106</b> DOCUMENT/MESSAGE IDENTIFICATION		C	C		
<b>1004</b> Document identifier	+4744	C	C	an..35	Goods receipt number (delivery note number) assigned by the sender
<b>1056</b> Version identifier		C	C	an..9	
<b>1060</b> Revision identifier		C	C	an..6	
<b>1225</b> MESSAGE FUNCTION CODE	+9	C	C	an..3	9 = Original
<b>4343</b> RESPONSE TYPE CODE	'	C	C	an..3	

Example: **BGM+352+4744+9'**

Nr.	Segment	St	Wdh.	Segment name
3	<b>DTM</b>	M	10	<b>Date/time/period</b>

EDIFACT-Segment	Example	St	St	Format	Instructions for use
<b>DTM</b>	DTM				
<b>C507</b> DATE/TIME/PERIOD		M	M		
<b>2005</b> Date or time or period function code qualifier	+137	M	M	an..3	137 Document's date
<b>2380</b> Date or time or period text	:20030523	C	C	an..35	Date
<b>2379</b> Date or time or period format code	:102'	C	C	an..3	Format 102 = JJJJMMTT

Example: **DTM+137:20030523:102'**

## EDI documentation RECADV (Technical documents)

Nr.	Segment	St	Wdh.	Segment name
	<b>SG4</b>	M	99	<b>NAD-LOC-SG5-SG6</b>
15	<b>NAD</b>	M	1	<b>Name and address</b>

EDIFACT-Segment	Beispiel	St	St	Format	Instructions for use
<b>NAD</b>	NAD				
<b>3035</b> PARTY FUNCTION CODE QUALIFIER	+SU	M	M	an..3	SU = Supplier BY = Buller
<b>C082</b> PARTY IDENTIFICATION DETAILS		C	C		
<b>3039</b> Party identifier	+8152	M	M	an..35	Supplier's number - BSH SAP-System
<b>1131</b> Code list identification code	:	C	N		
<b>3055</b> Code list responsible agency code	:92	C	N		92 = Assigned by buyer (BSH) 91 = Assigned by supplier
<b>C058</b> NAME AND ADDRESS		C	C		
<b>3124</b> Name and address description		M	M	an..35	
<b>3124</b> Name and address description		C	C	an..35	
<b>3124</b> Name and address description		C	C	an..35	
<b>3124</b> Name and address description		C	C	an..35	
<b>3124</b> Name and address description		C	C	an..35	
<b>C080</b> PARTY NAME		C	C		
<b>3036</b> Party name		M	M	an..35	
<b>3036</b> Party name		C	C	an..35	
<b>3036</b> Party name		C	C	an..35	
<b>3036</b> Party name		C	C	an..35	
<b>3036</b> Party name		C	C	an..35	
<b>3045</b> Party name format code		C	C	an..3	
<b>C059</b> STREET		C	C		
<b>3042</b> Street and number or post office box identifier		M	M	an..35	
<b>3042</b> Street and number or post office box identifier		C	C	an..35	
<b>3042</b> Street and number or post office box identifier		C	C	an..35	
<b>3042</b> Street and number or post office box identifier		C	C	an..35	
<b>3164</b> CITY NAME		C	C	an..35	
<b>C819</b> COUNTRY SUB-ENTITY DETAILS		C	C		
<b>3229</b> Country sub-entity name code		C	C	an..9	
<b>1131</b> Code list identification code		C	N		
<b>3055</b> Code list responsible agency code		C	N		
<b>3228</b> Country sub-entity name		C	C	an..70	
<b>3251</b> POSTAL IDENTIFICATION CODE		C	C	an..17	
<b>3207</b> COUNTRY NAME CODE	'	C	C	an..3	

Example: **NAD+SU+0000004711::92'** **NAD+BY+A47K3::91'**

## EDI documentation RECADV (Technical documents)

Nr.	Segment	St	Wdh.	Segment name
	<b>SG16</b>	C	9999	<b>CPS-SG17-SG22</b>
37	<b>CPS</b>	M	1	<b>Consignment packing sequence</b>

EDIFACT-Segment	Beispiel	St	St	Format	Instructions for use
<b>CPS</b> <b>7164</b> HIERARCHICAL STRUCTURE LEVEL IDENTIFIER	CPS +1	M	M	an..35	Continuous numerating
<b>7166</b> HIERARCHICAL STRUCTURE PARENT IDENTIFIER	+	C	C	an..35	
<b>7075</b> PACKAGING LEVEL CODE	+4'	C	C	an..3	

Example: **CPS+1++4'**

Nr.	Segment	St	Wdh.	Segment name
	<b>SG16</b>	C	9999	<b>CPS-SG17-SG22</b>
	<b>SG22</b>	C	9999	<b>LIN-PIA-IMD-QTY-QVR-DTM-PRI-FTX-NAD-SG23-SG24-SG26-SG28-SG</b>
47	<b>LIN</b>	M	1	<b>Line item</b>

EDIFACT-Segment	Beispiel	St	St	Format	Instructions for use
<b>LIN</b> <b>1082</b> LINE ITEM IDENTIFIER	LIN +1	C	C	an..6	Instructions for use
<b>1229</b> ACTION REQUEST/ NOTIFICATION DESCRIPTION CODE	+	C	C	an..3	
<b>C212</b> ITEM NUMBER IDENTIFICATION		C	C		
<b>7140</b> Item identifier	+17041231 23	C	C	an..35	Material number (BSH)
<b>7143</b> Item type identification code	:BP	C	C	an..3	BP = Buyers Part Number
<b>1131</b> Code list identification code		C	N		
<b>3055</b> Code list responsible agency code		C	N		
<b>C829</b> SUB-LINE INFORMATION		C	C		
<b>5495</b> Sub-line indicator code		C	C	an..3	
<b>1082</b> Line item identifier		C	C	an..6	
<b>1222</b> CONFIGURATION LEVEL NUMBER		C	C	n..2	
<b>7083</b> CONFIGURATION OPERATION CODE	'	C	C	an..3	

Example: **LIN+1++1704123123:BP'**

## EDI documentation RECADV (Technical documents)

Nr.	Segment	St	Wdh.	Segment name
	<b>SG16</b>	C	9999	<b>CPS-SG17-SG22</b>
	<b>SG22</b>	C	9999	<b>LIN-PIA-IMD-QTY-QVR-DTM-PRI-FTX-NAD-SG23-SG24-SG26-SG28-SG</b>
48	<b>PIA</b>	C	10	<b>Additional product id</b>

EDIFACT-Segment	Beispiel	St	St	Format	Instructions for use
<b>PIA</b>	PIA				
<b>4347</b> PRODUCT IDENTIFIER CODE QUALIFIER	+1	M	M	an..3	1 = Additional identification
<b>C212</b> ITEM NUMBER IDENTIFICATION		M	M		
<b>7140</b> Item identifier	+-1	C	C	an..35	Dummy entry -1
<b>7143</b> Item type identification code	:VP	C	C	an..3	VP = Vendors Part Number
<b>1131</b> Code list identification code	:	C	N		
<b>3055</b> Code list responsible agency code	:91	C	N		91 = Assigned by seller (supplier)
<b>C212</b> ITEM NUMBER IDENTIFICATION		C	C		
<b>7140</b> Item identifier		C	C	an..35	
<b>7143</b> Item type identification code		C	C	an..3	
<b>1131</b> Code list identification code		C	N		
<b>3055</b> Code list responsible agency code		C	N		
<b>C212</b> ITEM NUMBER IDENTIFICATION		C	C		
<b>7140</b> Item identifier		C	C	an..35	
<b>7143</b> Item type identification code		C	C	an..3	
<b>1131</b> Code list identification code		C	N		
<b>3055</b> Code list responsible agency code		C	N		
<b>C212</b> ITEM NUMBER IDENTIFICATION		C	C		
<b>7140</b> Item identifier		C	C	an..35	
<b>7143</b> Item type identification code		C	C	an..3	
<b>1131</b> Code list identification code		C	N		
<b>3055</b> Code list responsible agency code		C	N		
<b>C212</b> ITEM NUMBER IDENTIFICATION		C	C		
<b>7140</b> Item identifier		C	C	an..35	
<b>7143</b> Item type identification code		C	C	an..3	
<b>1131</b> Code list identification code		C	N		
<b>3055</b> Code list responsible agency code		C	N		

Example: **PIA+1+-1:VP::91'**

**Segment is transferred as a dummy with value -1!**

## EDI documentation RECADV (Technical documents)

Nr.	Segment	St	Wdh.	Segment name
	<b>SG16</b>	C	9999	<b>CPS-SG17-SG22</b>
	<b>SG22</b>	C	9999	<b>LIN-PIA-IMD-QTY-QVR-DTM-PRI-FTX-NAD-SG23-SG24-SG26-SG28-SG</b>
49	<b>IMD</b>	C	99	<b>Item description</b>

EDIFACT-Segment	Beispiel	St	St	Format	Instructions for use
<b>IMD</b>	IMD				
<b>7077</b> DESCRIPTION FORMAT CODE	+	C	C	an..3	
<b>C272</b> ITEM CHARACTERISTIC		C	C		
<b>7081</b> Item characteristic code	+	C	C	an..3	
<b>1131</b> Code list identification code		C	N		
<b>3055</b> Code list responsible agency code		C	N		
<b>C273</b> ITEM DESCRIPTION		C	C		
<b>7009</b> Item description code	+-1	C	C	an..17	Dummy value -1
<b>1131</b> Code list identification code	:	C	N		
<b>3055</b> Code list responsible agency code	:92	C	N		92 = Allocation by buyer (BSH)
<b>7008</b> Item description	:Schraube	C	C	an..256	Material short text
<b>7008</b> Item description		C	C	an..256	
<b>3453</b> Language name code		C	C	an..3	
<b>7383</b> SURFACE OR LAYER CODE	'	C	C	an..3	

Example: **IMD+++1::92:Schraube'**

Nr.	Segment	St	Wdh.	Segment name
	<b>SG16</b>	C	9999	<b>CPS-SG17-SG22</b>
	<b>SG22</b>	C	9999	<b>LIN-PIA-IMD-QTY-QVR-DTM-PRI-FTX-NAD-SG23-SG24-SG26-SG28-SG</b>
50	<b>QTY</b>	C	10	<b>Quantity</b>

EDIFACT-Segment	Beispiel	St	St	Format	Instructions for use
<b>QTY</b>	QTY				
<b>C186</b> QUANTITY DETAILS		M	M		
<b>6063</b> Quantity type code qualifier	+194	M	M	an..3	194 = Received and accepted 195 = Received and canceled
<b>6060</b> Quantity	:180	M	M	an..35	Menge
<b>6411</b> Measurement unit code	:PCE'	C	C	an..3	PCE = Pieces KGM = Kilogramm

Example: **QTY+194:180:PCE'**

## EDI documentation RECADV (Technical documents)

Nr.	Segment	St	Wdh.	Segment name
	<b>SG16</b>	C	9999	<b>CPS-SG17-SG22</b>
	<b>SG22</b>	C	9999	<b>LIN-PIA-IMD-QTY-QVR-DTM-PRI-FTX-NAD-SG23-SG24-SG26-SG28-SG</b>
51	<b>QVR</b>	C	10	<b>Quantity variances</b>

EDIFACT-Segment	Beispiel	St	St	Format	Instructions for use
<b>QVR</b>	QVR				
<b>C279</b> QUANTITY DIFFERENCE INFORMATION		C	C		
<b>6064</b> Variance quantity	+180	M	M	n..15	Cancelled quantity
<b>6063</b> Quantity type code qualifier	:195	C	C	an..3	195 = Received and cancelled
<b>4221</b> DISCREPANCY NATURE IDENTIFICATION CODE		C	C	an..3	
<b>C960</b> REASON FOR CHANGE		C	C		
<b>4295</b> Change reason description code		C	C	an..3	
<b>1131</b> Code list identification code		C	N		
<b>3055</b> Code list responsible agency code		C	N		
<b>4294</b> Change reason description	'	C	C	an..35	

Example: **QVR+180:195'**

**A QVR segment is only transmitted if a QTY segment with qualifier 195 was previously transmitted.**  
The quantity shown in the QVR corresponds to the quantity of the QTY.

QVR is transferred in order to be able to communicate the reason for the cancellation in later versions.

Nr.	Segment	St	Wdh.	Segment name
	<b>SG16</b>	C	9999	<b>CPS-SG17-SG22</b>
	<b>SG22</b>	C	9999	<b>LIN-PIA-IMD-QTY-QVR-DTM-PRI-FTX-NAD-SG23-SG24-SG26-SG28-SG</b>
	<b>SG28</b>	C	10	<b>RFF-DTM-GEI-MOA-ALC</b>
64	<b>RFF</b>	M	1	<b>Reference</b>

EDIFACT-Segment	Beispiel	St	St	Format	Instructions for use
<b>RFF</b>	RFF				
<b>C506</b> REFERENCE		M	M		
<b>1153</b> Reference code qualifier	+BO	M	M	an..3	BO = Agreement / Delivery Schedule
<b>1154</b> Reference identifier	:550012350 050	C	C	an..70	Agreement number
<b>1156</b> Document line identifier		C	C	an..6	
<b>4000</b> Reference version identifier		C	C	an..35	
<b>1060</b> Revision identifier	'	C	C	an..6	

Example: **RFF+BO:550123450050'**

## EDI documentation RECADV (Technical documents)

Nr.	Segment	St	Wdh.	Segment name
77	<b>CNT</b>	C	1	<b>Control total</b>

EDIFACT-Segment	Beispiel	St	St	Format	Instructions for use
<b>CNT</b>	CNT				
<b>C270</b> CONTROL		M	M		
<b>6069</b> Control total type code qualifier	+31	M	M	an..3	31 = Number of positions in the message
<b>6066</b> Control total quantity	:1	M	M	n..18	
<b>6411</b> Measurement unit code	'	C	C	an..3	

Example: **CNT+31:1'**

Nr.	Segment	St	Wdh.	Segment name
78	<b>UNT</b>	M	1	<b>Message trailer</b>

EDIFACT-Segment	Beispiel	St	St	Format	Instructions for use
<b>UNT</b>	UNT				
<b>0074</b> NUMBER OF SEGMENTS IN THE MESSAGE	+14	M	M	n..6	
<b>0062</b> MESSAGE REFERENCE NUMBER	+4711'	M	M	an..14	

Example: **UNT+14+4711'**