

EDI Documentation Delivery Schedule

BISS ABR01

Version 2

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1. Introduction

This documentation describes the BSH message "BISS ABR". It can be used for data interchange involving delivery schedules between the factories of BSH Hausgeräte GmbH and its suppliers.

BISS means Business Integration Services Supply Chain, ABR means delivery schedules (Abrufe).

We have created this data format especially for smaller companies without an EDI system.

Advantages:

- Readable data format (transmission in German or English is possible)
- Viewing with internet browser, "notepad", etc. is possible
- Message content can be processed automatically
- Transfer via internet mailbox (BSH-FX Data Exchange Server) is possible

"BISS-ABR" messages can be transferred by AS2, OFTP and BSH-FX Server. A transfer via GXS-network is not possible. The syntax of the message is not oriented toward international standards. Suppliers thinking about starting EDI with other customers should preferably opt for EDIFACT messages!

2. Message Syntax

A "BISS ABR" message has a very simple syntax:

- Every row has 120 digits and ends with a line break.
- The first 40 digits define the content of the row or indicate a new chapter.
- The remaining 80 digits contain the information.

Chapters are declared with the following keywords:

ABR (+Version, e.g. 01)	Begin of a new file
address	Address data of sender/receiver, 1 time for each file
position	Position data belonging to a delivery schedule, x-times for each file
schedule-line	Schedule line data, x-times for each file
schedule-line	...
schedule-line	...
position	...
schedule-line	...
schedule-line	...
schedule-line	...
schedule-line	...
End	End of file

3. Description of the keywords (digit 1-39)

ABR01	Begin with headline, date and time
Filename	Unique filename
-----	Stripline
address	Begin chapter address
Supplier number	Of BSH system
Supplier name	Of BSH system
Supplier address	Country, ZIP and city of BSH system
Customer number	Number of BSH factory in supplier's system
Sender factory BSH	
Sender identifier	Short name for the factory, sometimes necessary for delivery notes
-----	Stripline
position	Begin Chapter position
Scheduling agreement number	Reference to scheduling agreement
Scheduling agreement position	Relevant position
Delivery schedule counter new	
Delivery schedule date	
Former delivery schedule counter	Counter of the last transmission
Former delivery schedule date	Relevant date
MRP controller	Short identifier for MRP controller
Delivery gate	Important for goods receipt
Quantity unit	
Last delivery note	
Last delivery note date	
Last delivery note quantity	
Last entry date	
Cumulative received quantity	Goods receipt at BSH
	Sum of all goods receipts for this scheduling agreement position. It enables the goods in transit to be computed.
Material number	Of BSH system
Material text	Of BSH system
Drawing number	Empty. Maybe used in next versions.
schedule-line	Begin chapter schedule line
Type of schedule line e.g. R=backorder	R=backorder
Type of date Day/Week/Month	D (T), W or M
Scheduling line date from (YYYYMMDD)	Day of delivery
Scheduling line time	Format HHMM (new with version 2)
Pickup (P)/Delivery date (D)	Qualifier for the scheduling line date (new with version 2)
Scheduling line date to	End of delivery date in case of interval (week, month)
Quantity	Delivery quantity
Ref-invoice number	Invoice number supplier (new with version 1.1)
Ref-place	Place of the goods (new with version 1.1)
End -----	The last row begins with "End".
	As a reference the filename will be transferred again

If you want to use the message for automatic processing you should take account of the following:

- One file can have several positions (delivery schedules)
- Each position can have several schedule lines
- Cancellations have a "position" but no "schedule-line"!
- Cancelled scheduling lines will not be transferred in every case! Transfers are status quo, not updates!
- It should not be a problem if we send more keywords/rows with the next versions.

4. Notes on the Example

The file enclosed contains 3 positions.

The 2nd position is a cancellation.

The 3rd position contains a backorder.

5. Supplements

October 2006, Version 1.1, Extention for the turkish BSH-factory:

We added the fields „Ref-invoice number” and “Ref-place” to the chapter “schedule-line”.

This fields/lines will only be send if the data content is not empty.

Ref-invoice number: Suppliers invoice number (custom processing).

Ref-place: Place of the goods.

February 2015:

- Changed company name to “BSH Hausgeräte GmbH”
- Changed WebEDI system name from BISS (BISS4) to BSH-FX

February 2017:

- Since 1.06.2017 BSH is sending a pickup date qualifier to identify the scheduling date:
“Pickup (P)/Delivery date (D)”
- In the near future BSH could send date and time:
“Scheduling line time”, format HHMM or empty/blank