

EDI Documentation Delivery Schedule

DELFOR

91.1

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1. Introduction

The present documentation describes the EDIFACT subset "DELFOR" for the exchange of delivery schedules between the factories belonging to BSH Hausgeräte GmbH and its suppliers.

The subset is based on Version 2 of the EDIFACT syntax and EDIFACT Release 91.1 as well as on the EDIWHITE subset of the European home appliance manufacturers.

The format offers the following advantages, among others:

- International standard
- Simple, flexible and standardized message structure
- Automated further processing of message contents
- EDI systems are generally EDIFACT-based

EDIFACT DELFOR messages can be exchanged via OFTP/ISDN (Odette File Transfer Protocol), GXS/IBM network, Telebox400 and BSH-FX Data Exchange Server.

Since the message employed by BSH is strongly oriented towards a standardized message structure, it is a simple matter for suppliers to exchange electronic messages with other customers too.

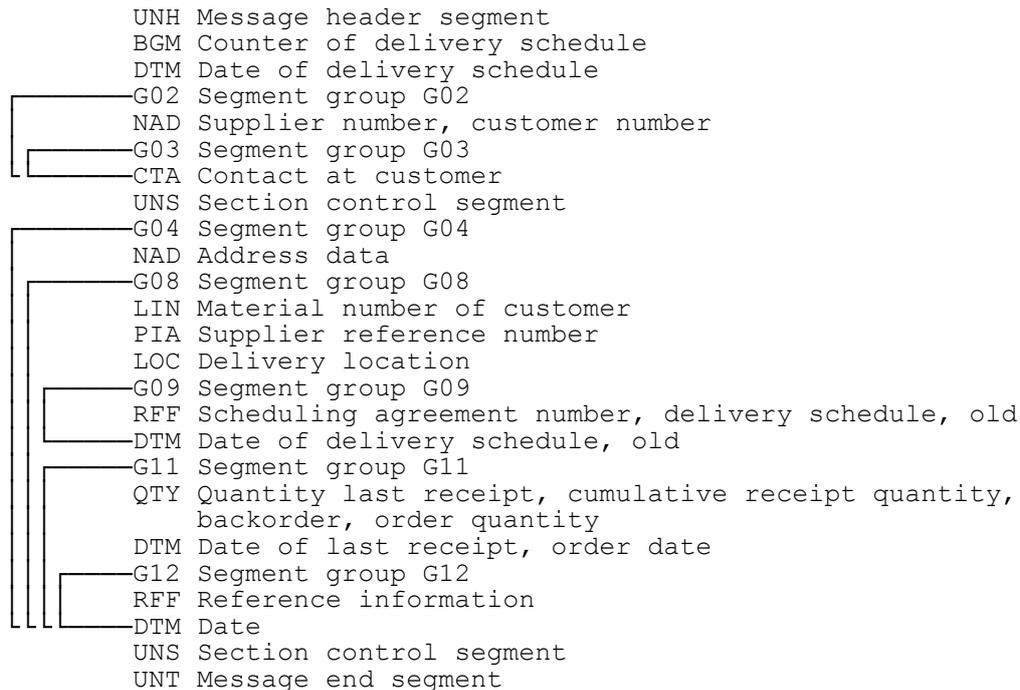
Please note that delivery schedules are always sent as a redispatch. No updates or quantity changes are transmitted. The data recipient must compare newly transmitted data with the last transmission or the associated PPC orders.

2. Message structure

As represented in the “Branching Diagram”, the BSH EDIFACT DELFOR message is simply structured. The “Branching Diagram” is available as a separate document, and offers a rapid and effective overview.

2.1. Message structure (overview)

2.2. Overview of the assignment of user data to segments



2.3. Example with ...

```

UNA:+.? '
UNB+UNOB:1+BSHGFI+MAIERAG+061025:1042+886'
UNH+00000886000001+DELFOR:1:911:UN:WGI001'
BGM+241+202'
DTM+137:20061025:102'
NAD+SE+0000004705::92'
NAD+BY+005966::91'
CTA+IC+:801'
UNS+D'
NAD+CN'
LIN+++000000009000007217'
PIA+1+190:SA'
LOC+20+:::Tor 7'
RFF+BO:5500022250'
RFF+SH:201'
DTM+171:20061024:102'
QTY+48:340:PCE'
DTM+50:20061025:102'
RFF+DQ:363591'
DTM+171:20061024:102'
QTY+70:633249:PCE'
QTY+83:0:PCE'
QTY+113:2210:PCE'
DTM+2:20061026:102'
RFF+AFL:47114710'
RFF+WS:ISTANBUL WAREHOUSE #4'
QTY+113:3740:PCE'
DTM+2:20061027:102'
RFF+AFL:47114712'
RFF+WS:CERKEZKOY WAREHOUSE no. 21'
QTY+113:2550:PCE'
DTM+2:20061030:102'
QTY+113:3570:PCE'
DTM+2:20061031:102'
UNS+S'
UNT+34+00000886000001'
UNH+00000886000002+DELFOR:1:911:UN:WGI001'
BGM+241+178'
DTM+137:20061025:102'
NAD+SE+0000004705::92'
NAD+BY+005966::91'
CTA+IC+:801'
UNS+D'
NAD+CN'
LIN+++000000009000056167'
PIA+1+234:SA'
LOC+20+:::00'
RFF+BO:5500022264'
RFF+SH:177'
DTM+171:20061024:102'
QTY+48:300:PCE'
DTM+50:20061025:102'
RFF+DQ:363595'
DTM+171:20061024:102'
QTY+70:413612:PCE'
QTY+83:0:PCE'
QTY+113:2000:PCE'
DTM+2:20061026:102'
QTY+113:600:PCE'
DTM+2:20061027:102'
UNS+S'
UNT+26+00000886000002'
UNZ+2+886'

```

... summary description

```

Service segment (optional)
User data header segment
Message header segment
Transmission counter of delivery schedule
Output date
Supplier number, assigned by BSH
Customer number, assigned by supplier
BSH contact, abbreviation
Section control segment
Freight recipient, not used
BSH article number
Supplier reference number, not used
Delivery gate/unloading point
BSH scheduling agreement number
Transmission counter old
Date of last transmission
Last delivery quantity
Date of last goods receipt
Delivery note number last goods receipt
Entry date of last goods receipt
Cumulative receipt quantity
Backorder / backlog
Order quantity
Requested delivery date
Additional info. Turkey: Invoice no. suppl.
Additional info. Turkey: Location of goods
Order quantity
Requested delivery date
Additional info. Turkey: Invoice no. suppl.
Additional info. Turkey: Location of goods
Order quantity
Requested delivery date
Order quantity
Requested delivery date
Section control segment
Message end segment
Message header segment
Transmission counter of delivery schedule
Output date
Supplier number, assigned by BSH
Customer number, assigned by supplier
BSH contact, abbreviation
Section control segment
Freight recipient, not used
BSH article number
Supplier reference number, not used
Delivery gate/unloading point
BSH scheduling agreement number
Transmission counter old
Date of last transmission
Last delivery quantity
Date of last goods receipt
Delivery note number last goods receipt
Entry date of last goods receipt
Cumulative receipt quantity
Backorder / backlog
Order quantity
Requested delivery date
Order quantity
Requested delivery date
Section control segment
Message end segment
User data end segment

```

2.4. Important information and notes on the example

Each delivery delivery schedule is transferred as a separate message (begins with UNH and ends with UNT segment). A message thus contains just one item, which can include a number of call-off dates. One transmission (UNB to UNZ) can contain a number of messages.

BSH scheduling agreement number/ delivery schedule number (RFF+BO)

The delivery schedule number is either 10 or 12 digits in length, depending on the factory sending it. The delivery schedule number is unique to each BSH factory location (sending ERP system). The delivery schedule number in conjunction with the customer number (BSH location / sender) represents a unique code for importing into the supplier's ERP system. The BSH material number (LIN) is not a unique code, as it may specify different scheduling agreements with the same material number.

Cumulative figure, receipt (QTY+70)

The total of all goods receipts for an scheduling agreement is transferred as a cumulative receipt quantity. The difference between the total of the quantities dispatched and the cumulative receipt quantity is the stock in transit. It can thus happen that BSH orders articles which the supplier has already delivered (goods issue posted). At the point of EDI data dispatch, no goods receipt has yet been posted for these materials in transit.

Backorder / backlog (QTY+83)

All articles expected but not yet received at the point of the EDI data dispatch (requested delivery date is in the past) are grouped together as a backorder, and transferred without a date. If dispatch has already taken place, this is a case of materials in transit.

Call-off dates and cancellations

Call-off dates are always transferred as day-based dates. Weekly or monthly quantities are automatically scheduled as day-based dates for the first day of the week / first day of the month.

Each data transmission is a redispach, not an update! Cancelled dates are not automatically transmitted! In the case of complete order cancellations, only the item without call-off quantities/dates is transferred!

2.5. Optional settings

In certain cases there is the possibility of adapting DELFOR messages in accordance with the partner's wishes. The following options, which diverge from our standard transmission, can be set:

- Service segment UNA not transmitted
- UNOA to UNOF and syntax version 1 to 3 can be transmitted in the UNB segment
- Send CRLF after every segment
- Multiple planned delivery dates combined on one day
- 8 leading zeros of material number truncated
- Transmit material text (segment PIA)
- Do not transmit call-off dates with delivery quantity 0
- Transmit customer number with NAD+CN too
- Additional information "Invoice number" and "Location of goods" (expansion for Turkish BSH factory) not transmitted

There is also the further option of transmitting delivery schedules within a message with multiple items. If required, please read the documentation "MINI-DELFOR 91.1".

3. Segment documentation

The segment documentation is available as a separate document.

4. Amendments/addenda to the documentation

February 1996, various corrections

November 1998, documentation revised

November 2006, documentation revised and expansion of Turkish BSH factory included:

The segments RFF+AFL and RFF+WS have been added to the scheduling data.

These segments are only transmitted if they also include contents.

RFF+AFL: Supplier invoice number (customs handling).

RFF+WS: Location 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 "10" to identify the scheduling date**
at segment group G11, DTM:
2 = requested delivery date
10 = pickup date (new!)

Examples:

DTM+2:20171026:102'

DTM+10:20171026:102' (new option!)

- **In the near future BSH could send date and time**
at segment group G11, DTM:
102 = CCYYMMDD
203 = CCYYMMDDHHMM (new!)

Examples:

DTM+2:20171026:102'

DTM+2:201710261200:203' (new option!)