BRP Inc.

ELECTRONIC DATA INTERCHANGE (EDI)

SUPPLIER IMPLEMENTATION GUIDE

VERSION 4010

Revision 4.3

July 3rd 2012

Document Change Log

Version	Date	Description
4.2	2012.05.30	Section One - Added separate ISA-GS information for Production vs. Test. Changed email address for communicating with BRP to edi@brp.com.
4.3	2012.06.18	Appendix B – Sample Files - updated 830 example to illustrate contents of BRP release number field (BFR03); - updated 862 Standard JIT example to illustrate contents of BRP release number fields (BSS02, BSS07) - added 862 Standard JIT example 2 with times. Section Two: 830 - LIN05 – added note that BRP may send Drawing Revision Level in ECN level/number segment. Section Three: 862 - BSS02 – added note that for sequenced JITs only, BRP requires this value to be returned on the 856 in the REF-DL segment; - LIN05 – added note that BRP may send Drawing Revision Level in ECN level/number segment; - LIN07 – added note BRP requires this value to be returned on the 856 in the LIN13 segment; - FST07 – added as optional this segment that BRP may send to contain a time value (HHMM), added example of this. Section Four: 856 - REF-DL – added note that for sequenced JITs only, BRP requires the value from BSS02 on the 862 to be returned on the 856 in the REF-DL segment; - REF-DL – added note that for non-sequenced JITs only, BRP requires the Bill of Lading number in this segment (same value as in REF02 for REF-BM). Appendix A – Supplier Registration Form - Changed email address to edi@brp.com.

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SUPPLIER IMPLEMENTATION GUIDE
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Section One: General Information

Competitive Advantage:

Embracing EDI can result in many benefits for your organization, including stronger strategic relationships, reduced purchased prices and procurement costs, improved customer service levels, shorter lead times, and lower inventory. By automating communication between your organization and your trading partners, electronic data interchange (EDI) can help realize these benefits and position your company for a competitive advantage.

What is EDI?

EDI is the exchange of routine business transactions in a format which can be processed by a computer. Exchanging business documents can take seconds instead of days, and documents are far less likely to get lost or damaged. EDI allows you to send information over public or private communication links. A Value Added Network (VAN) is the most common communication link and is the communication method used by BRP Inc.

EDI Standards Make It Possible:

Documents sent via EDI can serve as input for a receiving company's application software because they are formatted according to standards. These standards indicate where certain data should be located and whether the data is mandatory or optional. The most common standards are ANSI ASC X.12 (American Standards Institute, Accredited Standards Committee X.12) and UN/EDIFACT.   **All BRP Inc. EDI transactions shall comply with the standards set by ANSI ASC X.12 Version 4010**.

BRP Inc.'s EDI Direction:

BRP Inc. has recognized that Electronic Data Interchange (EDI) is a requirement in today's business environment. EDI provides the financial and operational advantages companies need to remain competitive. BRP Inc. will send the 830 transaction set (Planning Schedule with Release Capability) and the 862 transaction set (Shipping Schedule). BRP Inc. will require suppliers to send an 856 transaction (Ship Notice/Manifest). **BRP Inc. requires a Functional Acknowledgement (997) be sent in response to any 830 and/or 862 transaction sent.**

The use of EDI for document exchange has bottom-line benefits and strategic advantages for both trading partners.   BRP Inc. is committed to taking both itself and its business partners to a position where we both will realize the full potential of EDI.

BRP Inc.'s Interchange and Functional Group ID Information:

<u>**Production:**</u>
BRP Inc.'s ISA Qualifier is: ZZ
BRP Inc.'s ISA ID is: 254127301
BRP Inc.'s GS ID is: 254127301

<u>**Test:**</u>
BRP Inc.'s ISA Qualifier is: ZZ
BRP Inc.'s ISA ID is: 254127301T
BRP Inc.'s GS ID is: 254127301T

BRP Inc.'s Delimiters:

Element Delimiter: ~ (HEX 7E)
Sub-Element Delimiter: * (HEX 2A)
Segment Terminator: ^ (HEX 5E)

Key contact information:

<u>About the EDI mandate / Business process / Business Rules:</u>
- Contact Renée Williams
  edi@BRP.com
  1-450-532-5174

<u>About the EDI outsourced services / EDI compliance testing:</u>
- Contact the InterTrade team
  brp@intertrade.com
  1-800-873-7803, option 2 (support)

Section Two: 830 (Functional Group ID=PS) Guidelines

Purpose: The 830 transaction set can be used to provide a simple forecast, provide buyer's authorization to commit to resources, or provide a release against a purchase order.

Timing: The Planning Schedule can be requested by Purchasing on any day of the week. For that reason, you should check your mail box on a daily basis.

BRP INC. 830 SEGMENT USAGES

LEVEL	SEG. ID	DESCRIPTION	USAGE	MAX. USE	LOOP REPEAT
Heading	ST	Transaction Set Header	M	1	
Heading	BFR	Beginning Segment for Planning Schedule	M	1	
		LOOP ID - N1			200
Heading	N1	Name	M	1	
Heading	N2	Additional Name Information	O	2	
Heading	N3	Address Information	O	2	
Heading	N4	Geographic Location	O	1	
Heading	PER	Administrative Communications Contact	O	3	
		LOOP ID - LIN			10000
Detail	LIN	Item Identification	M	1	
Detail	UIT	Unit Detail	M	1	
Detail	REF	Reference Identification	O	12	
Detail	ATH	Resource Authorization	O	20	
		LOOP ID - SDP			260
Detail	SDP	Ship/Delivery Pattern	M	1	
Detail	FST	Forecast Schedule	M	260	
		LOOP ID - SHP			25
Detail	SHP	Shipped/Received Information	O	1	
Detail	REF	Reference Identification	O	5	
Summary	CTT	Transaction Totals	M	1	
Summary	SE	Transaction Set Trailer	M	1	

Segment: **ST** Transaction Set Header

Purpose: To indicate the start of a transaction set and to assign a control number
Notes: Example: ST~830~0032^

Element	Description	Min	Max	Usage
ST01	**Transaction Set Identifier Code**	**3**	**3**	**M**

BRP Inc. will send: **830**

| **ST02** | **Transaction Set Control Number** | **4** | **9** | **M** |

BRP Inc. will send: Unique number generated by BRP Inc.'s EDI system.

Segment: **BFR** Beginning Segment for Planning Schedule

Purpose: To indicate the beginning of a planning schedule transaction set; whether a ship or delivery based forecast; and related forecast envelope dates.
Notes: Example: BFR~00~~30000020~DL~A~20040731~20041001~20040709^

Element	Description	Min	Max	Usage
BFR01	**Transaction Set Purpose Code**	**2**	**2**	**M**

BRP Inc. may send: **00** (Original)
05 (Replace)

| **BFR03** | **Release Number** | **1** | **30** | **M** |

BRP Inc. will send: Unique number generated by BRP Inc.'s SAP system.

| **BFR04** | **Forecast Type Qualifier** | **2** | **2** | **M** |

BRP Inc. may send: **DL** (Delivery Based)
SH (Shipment Based)

| **BFR05** | **Forecast Quantity Qualifier** | **1** | **1** | **M** |

BRP Inc. will send: **A** (Actual Discrete Quantities)

| **BFR06** | **Forecast Horizon Start Date** | **8** | **8** | **M** |

| **BFR07** | **Forecast Horizon End Date** | **8** | **8** | **M** |

| **BFR08** | **Forecast Release Date** | **8** | **8** | **M** |

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Segment: **N1** Name Information

Purpose: To specify a party by name, organization, and/or code.
Notes: Examples: N1~SF~SHIP FROM NAME~92~12343213^
                      N1~ST~SHIP TO NAME~92~98^

Element	Description	Min	Max	Usage
N101	**Entity Identifier Code**	2	2	M

BRP Inc. may send: **SU** (Supplier)
                                ST (Ship To)

Element	Description	Min	Max	Usage
N102	**Entity Name**	1	60	M
N103	**Identification Code Qualifier**	1	2	O

BRP Inc. will send: **92** (Assigned by Buyer or Buyer's Agent)

Element	Description	Min	Max	Usage
N104	**Identification Code**	2	80	O

Segment: **N2** Additional Name Information

Purpose: To specify additional names or those longer than 35 characters in length
Notes: Example: N2~ATTN – RECEIVING DOCK SUPERVISOR^

Element	Description	Min	Max	Usage
N201	**Name**	1	60	O
N202	**Name**	1	60	O

Segment: **N3** Address Information

Purpose: To specify the location of the named party
Notes: Example: N3~SOUTH SIDE DELIVERY DOCK~999 INDUSTRIAL DRIVE^

Element	Description	Min	Max	Usage
N301	**Address**	1	35	M
N302	**Address**	1	35	O

Segment: **N4** Geographic Location

Purpose: To specify the geographic location of the named party.
Notes: Example: N4~LINCOLN PARK~MI~48146~US^

Element	Description	Min	Max	Usage
N401	**City Name**	2	30	M
N402	**State/Providence Code**	2	2	M
N403	**Postal Code/Zip Code**	3	15	M
N404	**Country Code**	2	3	O

Segment: PER **Administrative Communications Contact**

Purpose: To identify a person or office to whom administrative communications should be directed.
Notes: Example: PER~EX~CONTACT NAME~TE~8005551212^

Element	Description	Min	Max	Usage
PER01	Contact Function Code	2	2	M

BRP Inc. will send: **EX** (Expeditor)

PER02	Name	1	35	M
PER03	Communications Number Qualifier	2	2	O

BRP Inc. will send: **TE** (Telephone)

PER04	Communications Number	7	80	O

Segment: LIN **Item Identification**

Purpose: To specify basic item identification data
Notes: Example: LIN~~BP~000000000004020106~EC~NONE~PO~5500001971-00010~~^

Element	Description	Min	Max	Usage
LIN02	Product/Service ID Qualifier	2	2	M

BRP Inc. will send: **BP** (Buyer's Part Number)

LIN03	Product/Service ID	1	48	M
LIN04	Product/Service ID Qualifier	2	2	M

BRP Inc. will send: **EC** (Engineering Change Level/Number)

LIN05	Product/Service ID	1	48	M

BRP Inc. may send a Drawing Revision Level in the ECN level/number segment.
If no ECN level/number is available for the item, BRP Inc. will send: NONE

LIN06	Product/Service ID Qualifier	2	2	M

BRP Inc. will send: **PO** (Purchase Order Number)

LIN07	Product/Service ID	1	48	M

If no PO Number is available for the item, BRP Inc. will send: NONE

LIN08	Product/Service ID Qualifier	2	2	O

BRP Inc. may send any valid code such as **PD** (Part Description).

LIN09	Product/Service ID	1	48	O

Segment: UIT Unit Detail

Purpose: To specify item unit data
Notes: Example: UIT~PC^

Element	Description	Min	Max	Usage
UIT01	Unit of Measure	2	2	M

    BRP Inc. may send: Any standard unit of measure abbreviation, for example:
PC (Piece)
EA (Each)
LB (Pound)
KG (Kilogram)

Segment: REF Reference Identification – Location

Purpose: To specify identifying information
Notes: This segment will show the dock, line feed, reserve line feed or storage location to which the item is to be delivered.
Examples: REF~DK~DOCK17^
    REF~LF~LINEA^
    REF~RL~RESERVE2^
    REF~SL~1002^

Element	Description	Min	Max	Usage
REF01	Reference Identification Qualifier	2	3	M

    BRP Inc. may send: **DK** (Dock Number)
LF (Assembly Line Feed Location)
RL (Reserve Assembly Line Feed Location)
SL (Storage Location)
ZZ (Mutually Defined)

Element	Description	Min	Max	Usage
REF02	Reference Identification	1	30	M

Segment: **ATH** Resource Authorization

Note: Not used in current version. BRP reserves the right to use this segment in the future.

Purpose: To specify resource authorizations such as raw materials in the planning schedule
Notes: Examples: ATH~FI~20040828~49~~20020731^
　　　　　　　ATH~MT~20040903~75~~20020731^

Element	Description	Min	Max	Usage
ATH01	Resource Authorization Code	2	2	M

　　　　　BRP Inc. may send:　　　　　**FI**　(Finished Labor, Material, or Overhead/Burden)
　　　　　　　　　　　　　　　　　　　MT (Raw Material only)

Element	Description	Min	Max	Usage
ATH02	Authorized Through Date	8	8	M
ATH03	Authorized Cumulative Quantity	1	15	M
ATH05	Cumulative Quantity Start Date	8	8	M

Segment: **SDP** Ship/Delivery Pattern

Purpose: To identify specific ship/delivery requirements
Notes: Example: SDP~Y~Y^

Element	Description	Min	Max	Usage
SDP01	Ship/Delivery or Calendar Pattern Code	1	2	M

　　　　　BRP Inc. will send:　　　　　Y (None)

Element	Description	Min	Max	Usage
SDP02	Ship/Delivery Pattern Time Code	1	1	M

　　　　　BRP Inc. will send:　　　　　Y (None)

Segment: FST Forecast Schedule
Purpose: To specify the forecasted dates and quantities
Notes: Examples: FST~10~D~W~20040607^

Element	Description	Min	Max	Usage
FST01	Quantity	1	15	M
FST02	Forecast Qualifier	1	1	M

BRP Inc. may send: **C** (Firm)
D (Planning)

FST03	Forecast Timing Qualifier	1	1	M

BRP Inc. may send: **D** (Daily/Discrete)
W (Weekly)
M (Monthly)

FST04	Forecast Start Date	8	8	M
FST05	Forecast End Date	8	8	O

BRP Inc. may NOT send this for weekly or discrete intervals.

Segment: ## SHP **Shipped/Received Information**

Note: Not used in current version. BRP reserves the right to use this segment in the future.

Purpose: To specify shipment and/or receipt information
Notes: This is based on the last ASN received and processed by BRP Inc.'s SAP system.
Examples: SHP~01~10~035~20040603~~20040603^
SHP~02~100~035~20020630~~20040603^

Element	Description	Min	Max	Usage
SHP01	Quantity Qualifier	2	2	M

BRP Inc. may send: **01** (Discrete Quantity)
02 (Cumulative Quantity)

SHP02	Quantity	1	15	M
SHP03	Date/Time Qualifier	3	3	M

BRP Inc. may send: **011** (Shipped)
035 (Delivered)

SHP04	Date	8	8	M

Note: For discrete quantities, this will be the Shipped/Delivered date.
For cumulative quantities, this will be the cumulative quantity start date.

SHP06	Date	8	8	O

Note: If present, this is the cumulative quantity end date.

Segment: **REF** Reference Identification – Last ASN

Note: Not used in current version. BRP reserves the right to use this segment in the future.

Purpose: To specify identifying information
Notes: Shows the last ASN number received and processed by BRP Inc.'s SAP system.
         Example: REF~SI~90021317^

Element	Description	Min	Max	Usage
REF01	Reference Identification Qualifier	2	3	M

         BRP Inc. will send: **SI** (Shipper's ID Number/SID)

Element	Description	Min	Max	Usage
REF02	Reference Identification	1	30	M

Segment: **CTT** Transaction Totals

Purpose: To transmit a hash total for a specific element in the transaction set
Notes: Contains line item totals and hash totals for forecast quantities (FST01) in this transaction set.
         Example: CTT~1~150^

Element	Description	Min	Max	Usage
CTT01	Number of Line Items (LIN segments)	1	6	M
CTT02	Hash Total (Sum of FST01)	1	10	O

Segment: **SE** Transaction Set Trailer

Purpose: To indicate the end of the transaction set and provide a segment count
Notes: Example: SE~22~0032^

Element	Description	Min	Max	Usage
SE01	Number of Included Segments	1	10	M

         Note: Segment Count Includes the ST and SE segments

Element	Description	Min	Max	Usage
SE02	Transaction Set Control Number	4	9	M

         Note: The value in this element must match the value in the element ST02.

Section Three: 862 (Functional Group ID=SS) Guidelines

Purpose: The 862 transaction set can be used to provide precise shipping schedule requirements and is intended to supplement the 830. The 862 will not be used to authorize resources such as raw materials or labor.

Timing: The Shipping Schedule can be requested by Purchasing several times per day. For that reason, you should check your mail box several times per day.

Exceptions / Clarifications: BRP may need to transmit more information that can be accommodated in the 96 iterations of the JIT loop permitted by ANSI specifications. When this case occurs, another iteration of the **FST** loop will occur. Such an iteration of the FST loop will have the same delivery/shipment date as the previous FST loop(s). Therefore multiple iterations of the FST loop (for the item specified in the LIN segment) may occur for a particular delivery/shipment date.

BRP Inc.

BRP INC. 862 SEGMENT USAGES

LEVEL	SEG. ID	DESCRIPTION	USAGE	MAX. USE	LOOP REPEAT
Heading	ST	Transaction Set Header	M	1	
Heading	BSS	Beginning segment for Shipping Schedule	M	1	
Heading	DTM	Create Date/Time	M	1	
		LOOP ID - N1			200
Heading	N1	Name	M	1	
Heading	N2	Additional Name Information	O	2	
Heading	N3	Address Information	O	2	
Heading	N4	Geographic Location	O	1	
Heading	PER	Administrative Communications Contact	O	3	
		LOOP ID - LIN			10000
Detail	LIN	Item Identification	M	1	
Detail	UIT	Unit Detail	M	1	
Detail	REF	Reference Identification	O	12	
		LOOP ID - SDP			260
Detail	SDP	Ship/Delivery Pattern	M	1	
Detail	FST	Forecast Schedule	M	1	
Detail	DTM	Delivery/Shipment Date/Time	M	1	
		LOOP ID - JIT			96
Detail	JIT	Just-In-Time Schedule	M	1	
Detail	REF	BRP Sequence Number	O	1	
		LOOP ID - SHP			25
Detail	SHP	Shipped/Received Information	O	1	
Detail	REF	Reference Identification	O	5	
Summary	CTT	Transaction Totals	M	1	
Summary	SE	Transaction Set Trailer	M	1	

Segment: **ST** Transaction Set Header

Purpose: To indicate the start of a transaction set and to assign a control number
Notes: Example: ST~862~0052^

Element	Description	Min	Max	Usage
ST01	**Transaction Set Identifier Code**	3	3	M

.

	BRP Inc. will send:	**862**		

Element	Description	Min	Max	Usage
ST02	**Transaction Set Control Number**	4	9	M

BRP Inc. will send: Unique number generated by BRP Inc.'s EDI system.

Segment: **BSS** Beginning Segment for Shipping Schedule

Purpose: To transmit identifying numbers, dates, and other basic information relating to the transaction set.
Notes: Example: BSS~05~1234567~20040731~DL~20041001~20040709~1234567~200407151215~~~A^

Element	Description	Min	Max	Usage
BSS01	**Transaction Set Purpose Code**	2	2	M

BRP Inc. may send: **00** (Original)
05 (Replace)

Element	Description	Min	Max	Usage
BSS02	**Reference Identification**	1	30	M

BRP Inc. will send: Unique number generated by BRP Inc.'s SAP system.

For Sequenced JITs only, this value must be returned on the 856 in the REF – DL segment

Element	Description	Min	Max	Usage
BSS03	**Issued Date**	8	8	M
BSS04	**Schedule Type Qualifier**	1	1	M

BRP Inc. may send: **DL** (Delivery Based)
SH (Shipment Based)

Element	Description	Min	Max	Usage
BSS05	**Forecast Horizon Start Date**	8	8	M
BSS06	**Forecast Horizon End Date**	8	8	M
BSS07	**Release Number**	1	30	M

BRP Inc. will send: Same value as BSS02

Element	Description	Min	Max	Usage
BSS08	**Reference Identification**	1	30	M

BRP Inc. will send: Date-Time Stamp (CCYYMMDDHHMM).

Element	Description	Min	Max	Usage
BSS11	**Schedule Quantity Qualifier**	1	1	M

BRP Inc. will send: **A** (Actual Discrete Quantities)

Segment: DTM Create Date/Time

Purpose: To specify the creation date and time of this document.
Notes: Examples: DTM~167~20110929~1430^

Element	Description	Min	Max	Usage
DTM01	Date/Time Qualifier	3	3	M

Valid codes are: 167 – Most Recent Revision (or Initial Version)

Element	Description	Min	Max	Usage
DTM02	Create Date	8	8	M

Date expressed as CCYYMMDD

Element	Description	Min	Max	Usage
DTM03	Create Time	4	4	M

Time expressed in 24-hour clock time as HHMM

Segment: N1 Name Information

Purpose: To specify a party by name, organization, and/or code.
Notes: Examples: N1~SF~SHIP FROM NAME~92~12343213^
               N1~ST~SHIP TO NAME~92~98^

Element	Description	Min	Max	Usage
N101	Entity Identifier Code	2	2	M

BRP Inc. may send: **SU** (Supplier)
                              ST (Ship To)

Element	Description	Min	Max	Usage
N102	Entity Name	1	60	M
N103	Identification Code Qualifier	1	2	O

BRP Inc. will send: **92** (Assigned by Buyer or Buyer's Agent)

Element	Description	Min	Max	Usage
N104	Identification Code	2	80	O

Segment: N2 Additional Name Information

Purpose: To specify additional names or those longer than 35 characters in length
Notes: Example: N2~ATTN – RECEIVING DOCK SUPERVISOR^

Element	Description	Min	Max	Usage
N201	Name	1	60	M
N202	Name	1	60	O

Segment: **N3** Address Information

Purpose: To specify the location of the named party
Notes: Example: N3~SOUTH SIDE DELIVERY DOCK~999 INDUSTRIAL DRIVE^

Element	Description	Min	Max	Usage
N301	Address	1	35	M
N302	Address	1	35	O

Segment: **N4** Geographic Location

Purpose: To specify the geographic location of the named party.
Notes: Example: N4~LINCOLN PARK~MI~48146~US^

Element	Description	Min	Max	Usage
N401	City Name	2	30	M
N402	State/Providence Code	2	2	M
N403	Postal Code/Zip Code	3	15	M
N404	Country Code	2	3	O

Segment: **PER** Administrative Communications Contact

Purpose: To identify a person or office to whom administrative communications should be directed.
Notes: Example: PER~EX~CONTACT NAME~TE~8005551212^

Element	Description	Min	Max	Usage
PER01	Contact Function Code	2	2	M

BRP Inc. will send: **EX** (Expeditor)

Element	Description	Min	Max	Usage
PER02	Name	1	35	M
PER03	Communications Number Qualifier	2	2	O

BRP Inc. will send: **TE** (Telephone)

Element	Description	Min	Max	Usage
PER04	Communications Number	1	80	O

Segment: LIN Item Identification

Purpose: To specify basic item identification data

Notes: Example: LIN~~BP~000000000004020106~EC~NONE~PO~5500001971-00010~~^

Element	Description	Min	Max	Usage
LIN02	**Product/Service ID Qualifier**	2	2	M

    BRP Inc. will send: **BP** (Buyer's Part Number)

Element	Description	Min	Max	Usage
LIN03	**Product/Service ID**	1	48	M
LIN04	**Product/Service ID Qualifier**	2	2	M

    BRP Inc. will send: **EC** (Engineering Change Level/Number)

Element	Description	Min	Max	Usage
LIN05	**Product/Service ID**	1	48	M

BRP Inc. may send a Drawing Revision Level in the ECN level/number segment.
If no ECN level/number is available for the item, BRP Inc. will send: NONE

Element	Description	Min	Max	Usage
LIN06	**Product/Service ID Qualifier**	2	2	M

    BRP Inc. will send: **PO** (Purchase Order Number)

Element	Description	Min	Max	Usage
LIN07	**Product/Service ID**	1	48	M

    If no PO Number is available for the item, BRP Inc. will send: NONE

Element	Description	Min	Max	Usage
LIN08	**Product/Service ID Qualifier**	2	2	O

    BRP Inc. may send any valid code such as **PD** (Part Description).

Element	Description	Min	Max	Usage
LIN09	**Product/Service ID**	1	48	O

Segment: UIT Unit Detail

Purpose: To specify item unit data

Notes: Example: UIT~PC^

Element	Description	Min	Max	Usage
UIT01	**Unit of Measure**	2	2	M

    BRP Inc. may send: Any standard unit of measure abbreviation, for example:
                                      PC (Piece)
                                      EA (Each)
                                      LB (Pound)
                                      KG (Kilogram)

Segment: **REF** Reference Identification – Location

Purpose: To specify identifying information
Notes: This segment will show the dock, line feed, reserve line feed or storage location to which the item is to be delivered.
Examples:

        REF~DK~DOCK17^
        REF~LF~LINEA^
        REF~RL~RESERVE2^
        REF~SL~1002^
        REF~ZZ~ABCDEF^

Element	Description	Min	Max	Usage
REF01	Reference Identification Qualifier	2	3	M

BRP Inc. may send:
    DK (Dock Number)
    LF (Assembly Line Feed Location)
    RL (Reserve Assembly Line Feed Location)
    SL (Storage Location)
    ZZ (Mutually Defined)

Element	Description	Min	Max	Usage
REF02	Reference Identification	1	30	M

Segment: **SDP** Ship/Delivery Pattern

Purpose: To identify specific ship/delivery requirements
Notes: Example: SDP~Y~Y^

Element	Description	Min	Max	Usage
SDP01	Ship/Delivery or Calendar Pattern Code	1	2	M

BRP Inc. will send: Y (None)

Element	Description	Min	Max	Usage
SDP02	Ship/Delivery Pattern Time Code	1	1	M

BRP Inc. will send: Y (None)

Segment: FST Forecast Schedule

Purpose: To specify the forecasted dates and quantities

Notes: Examples: FST~10~D~D~20040607^

FST~10~D~D~20040607~~~1415^

When the number of iterations of the JIT loop for a specific Delivery/Shipment date/time exceeds the 96 iteration ANSI limit, BRP will create a new iteration of the FST loop with the same Delivery/Shipment date. BRP will create as many iterations of the FST loop (with the same Delivery/Shipment date) as required to completely define a Delivery/Shipment of the item specified in the LIN segment.

Element	Description	Min	Max	Usage
FST01	Quantity	1	15	M
FST02	Forecast Qualifier	1	1	M

BRP Inc. may send: **C** (Firm)

D (Planning)

FST03	Forecast Timing Qualifier	1	1	M

BRP Inc. may send: **D** (Daily/Discrete)

W (Weekly)

M (Monthly)

FST04	Forecast Start Date	8	8	M

When the number of JIT iterations exceeds 96 within an FST loop, a new FST loop will result (see Notes above). When the JIT loop exceeds 96 iterations, the resulting FST04 will duplicate the previous FST04.

FST05	Forecast End Date	8	8	O

BRP Inc. may NOT send this for weekly or discrete intervals.

FST07	Forecast Time	4	4	O

BRP Inc. may send a forecast time expressed in 24-hour clock time as HHMM.

FST08	Reference Number Qualifier	2	2	O

BRP Inc. may send: **KB** (Kanban Number)

DO (Delivery Order Number)

FST09	Reference Number	1	30	O

BRP Inc. will NOT send this element unless FST08 is present.

Segment: DTM Delivery/Shipment Date/Time

Purpose: To specify the delivery/shipment date/times.
Notes: Examples: DTM~010~20110929~1930^

Element	Description	Min	Max	Usage
DTM01	Date/Time Qualifier	3	3	M

Valid codes are: 002 – Delivery requested
010 – Requested Ship

Element	Description	Min	Max	Usage
DTM02	Delivery/Ship Date	8	8	M

Date expressed as CCYYMMDD

Element	Description	Min	Max	Usage
DTM03	Delivery/Ship Time	4	4	M

Time expressed in 24-hour clock time as HHMM

Segment: JIT Just-In-Time Schedule

Purpose: To specify the sequenced quantities and delivery date/times
Notes: Examples: JIT~1~0544^

If an order exceeds 96 JIT iterations, the 97th JIT loop will result in a new FST loop. A new FST loop will begin each time the JIT iterations exceed 96.

Element	Description	Min	Max	Usage
JIT01	Quantity	1	15	M

Element	Description	Min	Max	Usage
JIT02	Time (BRP internal usage)	4	4	M

Segment: REF BRP Sequence Number

Purpose: To specify the BRP sequence number for the quantity in the JIT segment
Notes: Examples: REF~JS~76200^

Element	Description	Min	Max	Usage
REF01	BRP Sequence Number Qualifier	2	3	M

BRP Inc. will send: **JS** (BRP Sequence Number)

Element	Description	Min	Max	Usage
REF02	BRP Sequence Number	1	14	M

Segment: SHP Shipped/Received Information

Note: Not used in current version. BRP reserves the right to use this segment in the future.

Purpose: To specify shipment and/or receipt information
Notes: This is based on the last ASN received and processed by BRP Inc.'s SAP system.
Examples: SHP~01~10~035~20040603~~20040603^
SHP~02~100~035~20020630~~20040603^

Element	Description	Min	Max	Usage
SHP01	Quantity Qualifier	2	2	M

BRP Inc. may send: **01** (Discrete Quantity)
02 (Cumulative Quantity)

SHP02	Quantity	1	15	M
SHP03	Date/Time Qualifier	3	3	M

BRP Inc. may send: **011** (Shipped)
035 (Delivered)

SHP04	Date	8	8	M

Note: For discrete quantities this will be the Shipped/delivery date.
For cumulative quantities this will be the beginning inventory date.

SHP06	Date	8	8	O

Note: If present, this is the date of the last shipment/delivery processed.

Segment: REF Reference Identification – Location

Note: Not used in current version. BRP reserves the right to use this segment in the future.

Purpose: To specify identifying information
Notes: Shows the last ASN number received and processed by BRP Inc.'s SAP system.
Example: REF~SI~90021317^

Element	Description	Min	Max	Usage
REF01	Reference Identification Qualifier	2	3	M

BRP Inc. will send: **SI** (Shipper's ID Number/SID)

REF02	Reference Identification	1	30	M

Segment: **CTT** Transaction Totals

Purpose: To transmit a hash total for a specific element in the transaction set
Notes: Contains line item totals and hash totals for forecast quantities (FST01) in this transaction set.
Example: CTT~1~150^

Element	Description	Min	Max	Usage
CTT01	**Number of Line Items (LIN segments)**	1	6	M
CTT02	**Hash Total (Sum of FST01)**	1	10	O

Segment: **SE** Transaction Set Trailer

Purpose: To indicate the end of the transaction set and provide a segment count
Notes: Example: SE~22~0052^

Element	Description	Min	Max	Usage
SE01	**Number of Included Segments**	1	10	M

Note: Segment Count Includes the ST and SE segments

Element	Description	Min	Max	Usage
SE02	**Transaction Set Control Number**	4	9	M

Note: The value in this element must match the value in the element ST02.

Section Four: 856 (Functional Group ID=SH) Guidelines

Purpose: The 856 provides detailed information about the contents of a specific shipment. It is usually created with the assistance of automatic identification devices.

Timing: The Advance Ship Notice must be sent immediately following the departure of each shipment.

BRP INC. 856 SEGMENT USAGES

LEVEL	SEG. ID	DESCRIPTION	USAGE	MAX. USE	LOOP REPEAT
Heading	ST	Transaction Set Header	M	1	
Heading	BSN	Beginning Segment for Ship Notice	M	1	
Heading	DTM	Shipment Date	M	1	
		LOOP ID - HL			1
Detail	HL	Shipment Hierarchical Level	M	1	
Detail	TD1	Carrier Details (Quantity and Weight)	M	1	
Detail	TD5	Carrier Details (SCAC)	M	1	
Detail	TD3	Carrier Details (Equipment)	M	1	
Detail	TD4	Carrier Details (Hazardous Materials)	O	1	
Detail	REF	Reference Identification (BOL Number)	M	1	
		LOOP ID – N1			1
Detail	N1	Ship To Location	M	1	
		LOOP ID – N1			1
Detail	N1	Ship From Supplier Location	M	1	
		LOOP ID - HL			200,000
Detail	HL	Item Hierarchical Level	M	1	
Detail	LIN	Item Identification	M	1	
Detail	SN1	Item Detail (Shipment)	M	1	
Detail	REF	Reference Identification	O	5	
Summary	CTT	Transaction Totals	M	1	
Summary	SE	Transaction Set Trailer	M	1	

Segment: **ST** **Transaction Set Header**

Purpose: To indicate the start of a transaction set and to assign a control number
Notes: Example: ST~856~1234^

Element	Description	Min	Max	Usage
ST01	**Transaction Set Identifier Code**	**3**	**3**	**M**

.

Supplier will send: **856**

Element	Description	Min	Max	Usage
ST02	**Transaction Set Control Number**	**4**	**9**	**M**

Supplier will send: Unique number generated by Supplier's EDI system.

Segment: **BSN** **Beginning Segment for Ship Notice**

Purpose: To transmit identifying numbers, dates, and other basic information relating to the transaction set.
Notes: Example: BSN~00~1234567~20040731~1545^

Element	Description	Min	Max	Usage
BSN01	**Transaction Set Purpose Code**	**2**	**2**	**M**

Supplier may send: **00** (Original)
05 (Replace)

Element	Description	Min	Max	Usage
BSN02	**ASN Number**	**6**	**15**	**M**

Supplier will send: ASN number generated by supplier's system
There must be a one-to-one relationship with the BOL number.
There must be a one-to-one relationship with the BRP Delivery Reference number.

Element	Description	Min	Max	Usage
BSN03	**ASN Create Date (CCYYMMDD)**	**8**	**8**	**M**

Element	Description	Min	Max	Usage
BSN04	**ASN Create Time (HHMM) 24-hour clock**	**4**	**4**	**M**

Segment: DTM Shipment Date/Time
Purpose: To transmit date and time of shipment.
Notes: Example: DTM~011~20110920~1545~ET^

Element	Description	Min	Max	Usage
DTM01	Date/Time Qualifier	3	3	M

    Supplier will send: **011** (Shipped on this date/time)

DTM02	Ship Date	8	8	M

    Supplier will send: Actual ship date. Date expressed as CCYYMMDD.

DTM03	Ship Time	4	4	M

    Supplier will send: Actual ship time. Time expressed in 24-hour clock time as HHMM.

DTM04	Time Zone Qualifier	2	2	M

    Valid time zone codes are (e.g.):

CD – Central Daylight Savings Time
CT – Central Time
ED – Eastern Daylight Savings Time
ET – Eastern Time
MD – Mountain Daylight Savings Time
MT – Mountain Time
PD – Pacific Daylight Savings Time
PT – Pacific Time

Segment: HL Shipment Hierarchical Level
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.
Notes: Example: HL~1~~S^

Element	Description	Min	Max	Usage
HL01	Hierarchical ID Number-Shipment Level	1	12	M

    Supplier will send: 1 (Shipment Level)

HL02	Hierarchical Parent ID Number	1	12	O

    Required except for the first occurrence of the HL segment.

HL03	Hierarchical Level Code	1	2	M

    Supplier will send: S (Shipment Level)

Segment: **MEA** Measurements

Purpose: To specify physical measurements including dimensions, tolerances, weights and counts.
Notes: Examples: MEA~PD~N~1000~KG^
MEA~PD~G~1200~KG^

Element	Description	Min	Max	Usage
MEA01	Measurement Reference ID Code	2	2	O

Valid codes are: **PD** - Physical Dimensions

Element	Description	Min	Max	Usage
MEA02	Identification Code Qualifier	1	2	O

Valid codes are: **G** – Gross Weight
N – Net Weight

Element	Description	Min	Max	Usage
MEA03	Measurement Value	1	10	M
MEA04	Unit of Measurement Code	2	2	M

Valid codes are: **KG** - Kilograms

Segment: **TD1** Carrier Details (Quantity and Weight)

<u>Not used by BRP at this time.</u>

Purpose: To specify the transportation details relative to commodity, weight and quantity.
Notes: Example: TD1~PLT71~2^

Element	Description	Min	Max	Usage
TD101	Packaging Code	5	5	O
TD102	Quantity	1	7	O

Segment: **TD5** Carrier Details (SCAC)

Purpose: To specify carrier SCAC code.
Notes: Example: TD5~~2~ABCD~~^

Element	Description	Min	Max	Usage
TD502	SCAC Code Qualifier	1	2	M
TD503	Identification Code – SCAC Code	4	4	M
TD505	Shipment Tracking Number	1	35	O

Segment: TD3 Carrier Details (Equipment)

Purpose: To specify transportation details relative to the equipment used by the carrier.
Notes: Example: TD3~TL~~123456^

Element	Description	Min	Max	Usage
TD301	**Equipment Description Code**	**2**	**2**	**M**

Valid codes are: **TL** - Trailer

TD303	**Trailer Number**	**1**	**10**	**M**

Segment: TD4 Carrier Details (Hazardous Materials)

Purpose: Optional segment to be used by all suppliers shipping hazardous materials.
Notes: Example: TD4~HM^

Element	Description	Min	Max	Usage
TD401	**Special Handling Code**	**2**	**2**	**O**

Valid codes are: **HM** – Endorsed as Hazardous Material

Segment: REF Reference Numbers (BOL Number)

Purpose: To specify identifying numbers.
Notes: Example: REF~BM~12345678^

Element	Description	Min	Max	Usage
REF01	**Bill of Lading Qualifier**	**2**	**3**	**M**

Valid codes are: **BM** – Bill of Lading Number

REF02	**Bill of Lading Number**	**1**	**30**	**M**

Segment: REF Reference Numbers (BRP Delivery Reference Number)

Purpose: To specify identifying numbers.
Notes: Example: REF~DL~20111114153545^

Element	Description	Min	Max	Usage
REF01	**Delivery Reference Number Qualifier**	**2**	**3**	**M**

Valid codes are: **DL**– BRP Delivery Reference Number

REF02	**BRP Delivery Reference Number**	**1**	**30**	**M**

For sequenced JITs only, supplier must send value from BSS02 that was sent on 862 from BRP.

For non-sequenced JITs , supplier must send Bill of Lading number (same as REF02 for REF-BM).

Segment: N1 Ship To Location

Purpose: To identify a party by type of organization, name and code.
Notes: Example: N1~ST~~92~12345678^

Element	Description	Min	Max	Usage
N101	**Entity Identifier Code**	2	2	M

Valid codes are: **ST** – Ship To

N103	**Identification Code Qualifier**	1	2	M

Valid codes are: **92** – Assigned by Buyer or Buyer's Agent

N104	**Ship To Code**	1	15	M

Segment: N1 Ship From Supplier Location

Purpose: To identify a party by type of organization, name and code.
Notes: Example: N1~SU~~92~87654321^

Element	Description	Min	Max	Usage
N101	**Entity Identifier Code**	2	2	M

Valid codes are: **SU** – Supplier

N103	**Identification Code Qualifier**	1	2	M

Valid codes are: **92** – Assigned by Buyer or Buyer's Agent

N104	**Ship From Supplier Number**	1	15	M

Segment: HL Item Hierarchical Level

Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.
Notes: Example: HL~2~1~I^
            HL~3~1~I^

Element	Description	Min	Max	Usage
HL01	**Hierarchical ID Number-Shipment Level**	1	12	M

Supplier will send: "2" for the initial HL Item segment and increment by "1" in each subsequent HL segment within the transaction.

HL02	**Hierarchical Parent ID Number**	1	12	O

Supplier will send: **"1"**

HL03	**Hierarchical Level Code**	1	2	M

Supplier will send: **I** (Item Level)

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Segment: LIN Item Identification

Purpose: To specify basic item identification data
Notes: Example: LIN~~BP~000000000004020106~~~~~~~~~PO~5500456543-00020^

Element	Description	Min	Max	Usage
LIN02	**Product/Service ID Qualifier**	2	2	M

        Valid codes are: **BP** – Buyer's Part Number

Element	Description	Min	Max	Usage
LIN03	**Product/Service ID**	1	48	M
LIN12	**Purchase Order Qualifier**	2	2	M

        Valid codes are: **PO** – Purchase Order Number.

Element	Description	Min	Max	Usage
LIN13	**Purchase Order Number**	1	48	M

Segment: SN1 Item Detail (Shipment)

Purpose: To specify line item detail relative to shipment.
Notes: Example: SN1~~1234~PC~54321^

Element	Description	Min	Max	Usage
SN102	**Quantity**	1	15	M
SN103	**Unit of Measurement Code**	2	2	M
SN104	**Quantity Shipped to Date**	1	15	O

Segment: REF Reference Identification – Future Use

Purpose: To specify identifying information
Notes: Reserved for future use.
        Example: REF~xx~00000000^

Element	Description	Min	Max	Usage
REF01	**Item Reference Identification Qualifier**	2	3	O
REF02	**Reference Identification**	1	30	O

Segment: CTT Transaction Totals

Purpose: To transmit a hash total for a specific element in the transaction set

Notes: Contains line item totals and hash totals for forecast quantities (FST01) in this transaction set.

Example: CTT~1~150^

Element	Description	Min	Max	Usage
CTT01	Number of "HL" Loops	1	6	M
CTT02	Hash Total (Sum of SN102)	1	10	O

Segment: SE Transaction Set Trailer

Purpose: To indicate the end of the transaction set and provide a segment count

Notes: Example: SE~22~1234^

Element	Description	Min	Max	Usage
SE01	Number of Included Segments	1	10	M

Note: Segment Count Includes the ST and SE segments

SE02	Transaction Set Control Number	4	9	M

Note: The value in this element must match the value in the element ST02.

Section Five: 997 (Functional Group ID=FA) Guidelines

Purpose: The 997 provides a positive or negative response that informs the sender if the contents of the transmission were received and successfully processed.

Timing: The Functional Acknowledgement must be sent in response to each 830 and/or 862 received within 1 hour.

BRP INC. 997 SEGMENT USAGES

SEG. ID	DESCRIPTION	USAGE	MAX. USE	LOOP REPEAT
ST	Transaction Set Header	M	1	
AK1	Functional Group Response Header	M	1	
	LOOP ID – AK2			999
AK2	Transaction Set Response Header	M	1	
AK5	Transaction Set Response Trailer	M	1	
AK9	Functional Group Response Trailer	M	1	
SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1. These acknowledgments will not be acknowledged, thereby preventing an endless cycle of acknowledgments of acknowledgments. Nor shall a Functional Acknowledgment be sent to report errors in a previous Functional Acknowledgment.

2. AK1 is used to respond to the functional group header and to start the acknowledgement for a functional group. There shall be one AK1 segment for the functional group that is being acknowledged.

3. AK2 is used to start the acknowledgement of each transaction set within the received functional group. The AK2 segments shall appear in the same order as the transaction sets in the functional group that has been received and is being acknowledged.

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Segment: **ST** Transaction Set Header

Purpose: To indicate the start of a transaction set and to assign a control number
Notes: Example: ST~997~0092^

Element	Description	Min	Max	Usage
ST01	**Transaction Set Identifier Code**	**3**	**3**	**M**

    BRP Inc. will send: **997**

Element	Description	Min	Max	Usage
ST02	**Transaction Set Control Number**	**4**	**9**	**M**

    BRP Inc. will send: Unique number generated by BRP Inc.'s EDI system.

Segment: **AK1** Functional Group Response Header

Purpose: To start acknowledgment of a functional group
Syntax Notes:
Notes: Example: AK1~PS~0032^

Element	Description	Min	Max	Usage
AK101	**Functional Identifier Code**	**2**	**2**	**M**

    Note: This should be the value from GS01 of the functional group being acknowledged.

Element	Description	Min	Max	Usage
AK102	**Group Control Number**	**1**	**9**	**M**

    Note: This should be the value from GS06 of the functional group being acknowledged.

Segment: **AK2** Transaction Set Response Header

Purpose: To start acknowledgment of a single transaction set
Notes: BRP Inc. expects to send and receive transaction level acknowledgements.
Example: AK2~830~0030^

Element	Description	Min	Max	Usage
AK201	**Transaction Set Identifier Code**	**3**	**3**	**M**

    Note: This should be the value from ST01 of the transaction being acknowledged.

Element	Description	Min	Max	Usage
AK202	**Transaction Set Control Number**	**4**	**9**	**M**

    Note: This should be the value from ST02 of the transaction being acknowledged.

Segment: AK5 **Transaction Set Response Trailer**
Purpose: To acknowledge acceptance or rejection and report errors in a transaction set
Notes: Example: AK5~A^

Element	Description	Min	Max	Usage
AK501	**Transaction Set Acknowledgment Code**	1	1	**M**

Refer to 004010 Data Element Dictionary for acceptable code values.

AK502	**Transaction Set Syntax Error Code**	1	3	**O**

Code indicating error found based on the syntax editing of a transaction set
Refer to 004010 Data Element Dictionary for acceptable code values.

AK503	**Transaction Set Syntax Error Code**	1	3	**O**

If there are multiple transaction sets, then the code indicating error found
based on the syntax editing of a transaction set

AK504	**Transaction Set Syntax Error Code**	1	3	**O**

If there are multiple transaction sets, then the code indicating error found
based on the syntax editing of a transaction set

AK505	**Transaction Set Syntax Error Code**	1	3	**O**

If there are multiple transaction sets, then the code indicating error found
based on the syntax editing of a transaction set

AK506	**Transaction Set Syntax Error Code**	1	3	**O**

If there are multiple transaction sets, then the code indicating error found
based on the syntax editing of a transaction set

Segment: AK9 **Functional Group Response Trailer**
Purpose: To acknowledge acceptance or rejection of a functional group and report the number of included
transaction sets from the original trailer, the accepted sets, and the received sets in this functional group
Comments: If AK901 contains the value "A" or "E", then the transmitted functional group is accepted.
Notes: Example: AK9~A~1~1~1^

Element	Description	Min	Max	Usage
AK901	**Functional Group Acknowledge Code**	1	1	**M**

Code indicating accept or reject condition based on the syntax editing of the functional group.
Refer to 004010 Data Element Dictionary for acceptable code values.

AK902	**Number of Transaction Sets Included**	1	6	**M**

Total number of transaction sets included in the functional group or interchange (transmission) group
terminated by the trailer containing this data element.

AK903	**Number of Received Transaction Sets**	1	6	**M**

Number of Transaction Sets received.

AK904	**Number of Accepted Transaction Sets**	1	6	**M**

Number of Accepted Transaction Sets in a Functional Group.

AK905	**Functional Group Syntax Error Code**	1	3	**O**

Code indicating error found based on the syntax editing of the functional group header and/or trailer.

Segment: SE **Transaction Set Trailer**
Purpose: To indicate the end of the transaction set and provide a segment count
Notes: Example: SE~22~0092^

Element	Description	Min	Max	Usage
SE01	**Number of Included Segments**	**1**	**10**	**M**

Note: Segment Count Includes the ST and SE segments

Element	Description	Min	Max	Usage
SE02	**Transaction Set Control Number**	**4**	**9**	**M**

Note: The value in this element must match the value in the element ST02.

Appendix A: Sample Files

EDI Transaction: 830
Planning Schedule with Release Capability
EDI Version: X12 004010

EDI FLAT FILE FORMAT
ST~830~0031324^
BFR~05~~16471940-20120605103155~DL~A~20040715~20040915~20040708^
N1~SU~PARTS SUPPLIER INC~92~123123^
N3~123 PRINCIPALE NORD^
N4~ SHERBROOKE~QC~A1A 1A1~CA^
PER~EX~JOHN SMITH~TE~8002004061^
N1~ST~BRP INC. PLANT~92~0000194094^
LIN~~BP~705002845~EC~NONE~PO~0000030909-00010~~^
UIT~PC^
REF~DK~DOCK17^   ←*Optional.*
REF~SL~1002^
*ATH~FI~20040915~1000~~20021212^*   ←*Not used in current version. BRP may use in future.*
*ATH~MT~20040915~2500~~20021212^*   ← *Not used in current version. BRP may use in future.*
SDP~Y~Y^
FST~462~D~D~20040614^
FST~408~D~D~20040621^
FST~390~D~D~20040705^
FST~339~D~D~20040712^
FST~390~D~D~20040719^
FST~474~D~D~20040726^
FST~2498~D~D~20040802^
*SHP~01~10~035~20040603~~20040603^*   ← *Not used in current version. BRP may use in future.*
*SHP~02~1000~035~20020630~~20040603^*   ← *Not used in current version. BRP may use in future.*
*REF~SI~98323^*   ← *Not used in current version. BRP may use in future.*
CTT~1~17811^
SE~25~0031324^

EDI Transaction: 862
Shipping Schedule
EDI Version: X12 004010

EDI FLAT FILE FORMAT

Standard JIT example-1:
ST~862~0001^
BSS~05~16471945-20120605103245~20111108~DL~20111102~20150921~16471945-
20120605103245~20120605111515~~~A^
DTM~167~20111108~162429^
N1~SU~PARTS SUPPLIER INC ~92~0000123123^
N3~123 PRINCIPALE NORD^
N4~ SHERBROOKE~QC~A1A 1A1~CA^
PER~EX~ JOHN SMITH~TE~8002004061^
N1~ST~Bombardier Rec. Prod. Inc~92~0000105371^
LIN~~BP~709000102~EC~NONE~PO~5500067547-00020^
UIT~PC^
REF~DK~DOCK17^
REF~SL~1002^
SDP~Y~Y^
FST~75~D~D~20111102^
FST~125~D~D~20111109^
FST~100~D~D~20111116^
FST~50~D~D~20111123^
CTT~1~350^
SE~17~0001^

Standard JIT example-2:
ST~862~0001^
BSS~05~16471945-20120605103245~20111108~DL~20111102~20150921~16471945-
20120605103245~20120605111515~~~A^
DTM~167~20111108~162429^
N1~SU~PARTS SUPPLIER INC ~92~0000123123^
N3~123 PRINCIPALE NORD^
N4~ SHERBROOKE~QC~A1A 1A1~CA^
PER~EX~ JOHN SMITH~TE~8002004061^
N1~ST~Bombardier Rec. Prod. Inc~92~0000105371^
LIN~~BP~709000102~EC~NONE~PO~5500067547-00020^
UIT~PC^
REF~DK~DOCK17^
REF~SL~1002^
SDP~Y~Y^
FST~50~D~D~20111102~~~1000^
FST~25~D~D~20111102~~~1400^
FST~125~D~D~20111109^
FST~100~D~D~20111116^
FST~50~D~D~20111123^
CTT~1~350^
SE~17~0001^

Sequenced JIT example:
ST~862~0001^
BSS~05~20111031190884~20111108~DL~20111101~20111104~20111031190884~20111108162717~~~A^
DTM~167~20111108~162717^
N1~SU~ PARTS SUPPLIER INC~92~123123^
N4~SHERBROOKE~QC~A1A 1A1~CA^
N1~ST~Valcourt~92~0001^
PER~EX~JOHN SMITH~TE~8002004061^
LIN~~BP~269002190~EC~NONE~PO~5500070821-00010^
UIT~PC^
REF~DK~DOCK17^
REF~SL~1002^
SDP~Y~Y^
FST~18~D~D~20111101^
DTM~010~20111101~063000^
JIT~1~0926^
REF~JS~00000000005170^
JIT~1~1708^
REF~JS~00000000009360^
JIT~1~1720^
REF~JS~00000000009380^
JIT~1~1732^
REF~JS~00000000009400^
JIT~1~1744^
REF~JS~00000000009420^
JIT~1~0932^
REF~JS~00000000009440^
JIT~1~0944^
REF~JS~00000000009460^
JIT~1~0956^
REF~JS~00000000009480^
JIT~1~1014^
REF~JS~00000000009500^
JIT~1~1026^
REF~JS~00000000009520^
JIT~1~1038^
REF~JS~00000000009540^
JIT~1~1056^
REF~JS~00000000009560^
JIT~1~1108^
REF~JS~00000000009580^
JIT~1~1120^
REF~JS~00000000009600^
JIT~1~1138^
REF~JS~00000000009620^
JIT~1~1150^
REF~JS~00000000009640^
JIT~1~1202^
REF~JS~00000000009660^
JIT~1~1238^
REF~JS~00000000009680^
CTT~1~18^
SE~49~0001^

EDI Transaction: 856
Ship Notice (ASN)
EDI Version: X12 004010

EDI FLAT FILE FORMAT
ST~856~123456^
BSN~00~1234567~20111114~0932^
DTM~011~20111114~1535~ET^
HL~1~~S^
MEA~PD~N~1000~KG^
MEA~PD~G~1200~KG^
TD5~~2~ABCD~~^
TD3~TL~~123456^
TD4~HM^
REF~BM~12345678^
REF~DL~20111114153545^
N1~ST~~92~12345678^
N1~SU~~92~87654321^
HL~2~1~I^
LIN~~BP~000000000004020106~~~~~~~~~PO~5500456543-00010^
SN1~~1234~PC~^
HL~3~1~I^
LIN~~BP~000000000004020107~~~~~~~~~PO~5500456543-00020^
SN1~~450~PC~^
HL~4~1~I^
LIN~~BP~000000000004020108~~~~~~~~~PO~5500456543-00030^
SN1~~575~PC~^
CTT~4~2259^
SE~23~123456^

EDI Transaction: 997
Functional Acknowledgment
EDI Version: X12 004010

Example: 997 for an 830 without errors

EDI FLAT FILE FORMAT
ST~997~0028^
AK1~PS~30^
AK2~830~0030^
AK5~A^
AK9~A~1~1~1^
SE~6~0028^

Example: 997 for an 862 with errors

EDI FLAT FILE FORMAT
ST~997~0029^
AK1~SS~37^
AK2~862~0037^
AK5~R^
AK9~R~1~1~0^
SE~6~0029^