



830 Planning Schedule with Release Capability X12 Version 4010

Functional Group ID = PS, SA

Transaction Description

This standard provides for the format and establishes the data contents of a scheduling agreement transaction set. The scheduling agreement transaction set provides the information required for the customary and established business and industry practice relative to a scheduling agreements.

Implementation Notes

1. The following section descriptions list only those segments used by HONEYWELL
2. In the segment breakout listings, only those elements used by HONEYWELL are listed.
3. HONEYWELL uses this implementation guide when transmitting changes to routine scheduling agreements.
4. HONEYWELL does not send "changes only" information in this transaction – all information from the original scheduling agreement is transmitted using the modified values. The resulting document replaces the original scheduling agreement.

Header Section

Pos. No.	Seg. ID	Name	Req. Des.	Max Use	Loop Repeat
010	ST	Transaction Set Header	M	1	
020	BFR	Beginning Segment for Planning Schedule	M	1	
050	REF	Reference Numbers	O	12	
130	DTM	Date/Time Reference	O	10	

N1 Loop Max Use 200

Pos. No.	Seg. ID	Name	Req. Des.	Max Use	Loop Repeat
230	N1	Name	O	1	200
240	N2	Additional Name Information	O	2	
250	N3	Address Information	O	2	
260	N4	Geographic Location	O	1	
270	REF	Reference Identification	O	12	
280	PER	Administrative Communications Contact	O	3	

Detail Section

Pos. No.	Seg. ID	Name	Req. Des.	Max Use	Loop Repeat
010	LIN	Item Identification	M	1	>1
021	DTM	Date/Time Reference	O	10	
140	REF	Reference Identification	O	12	
220	QTY	Quantity	O	>1	
410	FST	Forecast Schedule	O	1	>1
415	QTY	Quantity	O	>1	

Summary Section

Pos. No.	Seg. ID	Name	Req. Des.	Max Use	Loop Repeat
030	SE	Transaction Set Trailer	M	1	

Segment: **ST** Transaction Set Header

Position: 010

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number.

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
ST 01	143	Transaction Set Identifier Code	M	ID	3/3
		830 Planning Schedule with Release Capability			
ST 02	329	Transaction Set Control Number	M	AN	4/9

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

Position: 020
 Loop: Level: Heading
 Usage: Mandatory
 Max Use: 1
 Purpose: To indicate the beginning of the planning schedule transactions set ,
 whether a ship or delivery based forecast; and related forecast
 envelope dates.

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
BFR 01	01	Transaction Set Purpose Code 00 Original	M	ID	2 / 2
BFR 02	127	Reference Identification	C	AN	1/30
BFR 03	328	Release Number	C	AN	1/30
BFR 04	675	Schedule Type Qualifier DL Delivery Based	M	ID	2/2
BFR 05	675	Schedule Quantity Qualifier C Cumulative Quantities	M	ID	2/2
BFR 06	373	Date 158 Horizon Start Date	M	DT	8/8
BFR 07	373	Date 159 Horizon End Date	O	DT	8/8
BFR 08	373	Date	M	DT	8/8
BFR 13	306	Action Code AC Acknowledge U Reject Q In Test/Send and Receive	O O O	ID ID ID	1 / 2 ½

Notes:

BFR08= document creation date

Segment: **REF** Reference Identification

Position: 050

Loop:

Level: Heading

Usage: Optional

Max Use: 12

Purpose: To specify identifying information

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
REF 01	128	Reference Identification Qualifier CR Customer Reference No. 43 Supporting Doc. No. PO Purchase Order No.	M	ID	2/3
REF 02	127	Reference Identification	C	AN	1/30
REF 03	352	Description	C	AN	1/80

Notes:

When REF01=43, then REF02=Idoc No.

Segment: **DTM** Date/Time Reference

Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times.

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
DTM 01	374	Date/Time Qualifier 004 Purchase Order 097 Transaction Creation	M	ID	3/3
DTM 02	373	Date	O	DT	8/8
DTM 03	337	Time	C	TM	4/8

NOTES:

When DTM01=097, then DTM02 = PO Creation Date, DTM03=PO creation time
When DTM01=004, then DTM02=Customer PO date (sent)

Segment: **N1** Name

Position: 230
Loop: N1
Level: Heading
Usage: Optional
Max Use: 200
Purpose: To identify a party by type of organization, name and code.

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
N1 01	98	Entity Identifier Code BT Bill to Party BY Buying Party SE Selling Party ST Ship To	M	ID	2/3
N1 02	93	Name	C	AN	1/60
N1 03	66	Identification Code Qualifier 92 Assigned by Buyer	C	ID	1 /2
N1 04	67	Identification Code	C	AN	2/80

Segment: **N2** Additional Name Information

Position: 240
Loop: N1
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length.

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
N2 01	93	Name	M	AN	1/60
N2 02	93	Name	O	AN	1/60

Segment: **N3** Address Information

Position: 250
Loop: N1
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
N3 01	166	Address Information	M	AN	1/55
N3 02	166	Address Information	O	AN	1/55

Segment: **N4** Geographic Location

Position: 260
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party.

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
N4 01	19	City Name	O	AN	2/30
N4 02	156	State or Province Code	O	ID	2/2
N4 03	116	Postal Code	O	ID	3/15
N4 04	26	Country Code	O	ID	2/3

Segment: **REF** Reference Identification

Position: 270
Loop: N1
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
REF 01	128	Reference Identification Qualifier 19 Division Identifier ZZ Mutually Defined	M	ID	2/3
REF 02	127	Reference Identification	C	AN	1/30
REF 03	352	Description	C	AN	1/80

Notes:

When REF01=19, then REF02=Idoc org code and REF03=Idoc org group

When REF01=ZZ, then REF02=Idoc org code

Segment: **PER** Administrative Communications Contact

Position: 280
 Loop: Level: N1
 Usage: Optional
 Max Use: 3
 Purpose: To identify a person or office to whom administrative communication should be directed.

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
PER01	366	Contact Function Code	M	ID	2/2
		BD Buying Party			
PER 02	93	Name	O	AN	1 / 60
PER 03	365	Communication Number Qualifier	C	ID	2 / 2
		TE Telephone			
PER 04	364	Communication Number	C	AN	1 / 80
PER 05	365	Communication Number Qualifier	C	ID	2/2
		FX Fax			
PER 06	364	Communication Number	C	AN	1/80
PER 07	365	Communication Number Qualifier	C	ID	2/2
		EM Email			
PER 08	364	Communication Number	C	AN	1/80

Segment: **LIN** Item Identification

Position: 010
 Loop: LIN
 Level: Detail
 Usage: Mandatory
 Max Use: >1
 Purpose: To specify basic item identification data.

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
LIN 01	350	Assigned Identification	O	AN	1/20
LIN 02	235	Product/Service ID Qualifier BP Buyer's Part Number	M	ID	2/2
LIN 03	234	Product/Service ID Buyer's part number	M	AN	1/48
LIN 04	235	Product/Service ID Qualifier VP Vendor's Part Number	C	ID	2/2
LIN 05	234	Product/Service ID Vendor Part Number	C	AN	1/48
LIN 06	235	Product/Service ID Qualifier PL Purchaser's Order Line No.	C	ID	2/2
LIN 07	234	Product/Service ID	C	AN	1/48
LIN 08	235	Product/Service ID Qualifier DR Drawing Revision No.	C	ID	2/2
LIN 09	234	Product Service ID	C	AN	1/48
LIN 10					
LIN 11	234	Product/Service ID	C	AN	1/48
LIN 12					
LIN 13	234	Product/Service ID	C	AN	1/48

Segment: **DTM** Date/Time Reference

Position: 021
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times.
Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
DTM 01	374	Date/Time Qualifier	M	ID	3/3
		067 Current Schedule Delivery			
		ZZZ Mutually Defined			
DTM 02	373	Date	C	DT	8/8

NOTES:

When DTM01=067, then DTM02=Delivery Schedule Date

When DTM01=ZZZ, then DTM02=Reconciliation Date of Cumulative Quantities

Segment: **REF** Reference Identification

Position: 140
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
REF 01	128	Reference Number Qualifier ZZ Mutually Defined MA Ship Notice/Manifest	M	ID	2/3
REF 02	127	Reference Number	C	AN	1 / 30
REF 03	352	Description	C	AN	1/80

Notes:

.When REF01=ZZ, then REF02=the number of releases per line

When REF01=MA, then REF02 = ASN required

When REF01=ZZ, then REF02 = Acknowledgement required.

Segment: **QTY** Quantity

Position: 220

Loop: LIN

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify quantity information

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
QTY 01	673	Quantity Qualifier	M	ID	2/2
		02 Cumulative Quantity			
		87 Quantity Received			
QTY 02	380	Quantity	C	R	1/15
QTY 04	61	Free-From Message	C	AN	1/30

Notes:

When QTY01=02, then QTY02=Cumulative Quantity Ordered

When QTY01=87, then QTY02=Cumulative Quantity Received

QTY04=Unit of Measure

Segment: **SLN** Subline Item Detail

Position: 300
 Loop: LIN
 Level: Detail
 Usage: Optional
 Max Use: 1
 Repeat Count: 100
 Purpose: The specify product subline detail item data.

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
SLN 01	350	Assigned Identification	M	AN	1/20
SLN 03	662	Relationship Code O Information Only	M	ID	1/1
SLN 09	235	Product/Service ID Qualifier MF Manufacturer Name	C	ID	2/2
SLN 10	234	Product/Service ID	C	AN	1/48
SLN 11	235	Product/Service ID Qualifier MF Manufacturer Part No.	C	ID	2/2
SLN 12	234	Product/Service ID	C	AN	1/48
SLN 13	235	Product/Service ID Qualifier ZZ Mutually Defined	C	ID	2/2
SLN 14	234	Product/Service ID	C	AN	1/48

NOTES:

When SLN13=ZZ, the SLN14 = Mfg Code

Segment: **FST** Forecast Schedule
 Position: 380
 Loop: FST
 Level: Detail
 Usage: Optional
 Max Use: 1
 Repeat Count >1
 Purpose: To specify dates and quantities
 Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
FST 01	380	Quantity	M	R	1/15
FST 02	680	Forecast Qualifier	M	ID	1/1
		C Firm			
		D Planning			
FST 03	681	Forecast Timing Qualifier	M	ID	1/1
		D Discrete			
FST 04	373	Date	M	DT	8/8
FST 05	373	Date	O	DT	8/8
FST 08	128	Reference Identification Qualifier	C	ID	2/3
		BV Schedule Line No.			
FST 09	127	Reference Identification	C	AN	1/30

Notes:

FST04=Horizon Start Date
 FST05=Horizon End Date

Segment: **QTY** Quantity
 Position: 415
 Loop: FST
 Level: Detail
 Usage: Optional
 Max Use: >1
 Repeat Count
 Purpose: To specify quantity information
 Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
QTY 01	673	Quantity Qualifier 87 Quantity Received	M	ID	2/2
QTY 02	380	Quantity	C	R	1/15

Segment: **SE** Transaction Set Trailer

Position: 020

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments.)

Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
SE 01	96	Number of Included Segments	M	NO	1/10
SE 02	329	Transaction Set Control Number	M	AN	4/9

Sample X12 File: