

SEGMENT: ISA Interchange Control Header

Purpose: Starts and identifies an interchange of one or more functional groups and interchange-related control segments.

Field	Element	Name/Usage	Attributes		
ISA01	I01	Authorization Info. Qualifier 00 - No Authorization Information Present.	M	ID	02/02
ISA02	I02	Authorization Information Not Used.	M	AN	10/10
ISA03	I03	Security Information Qualifier 00 - No Security Information Present. 01 - Password	M	ID	02/02
ISA04	I04	Security Information Not Used.	M	AN	10/10
ISA05	I05	Interchange ID Qualifier 01 - Duns Number. ZZ- Mutually defined	M	ID	02/02
ISA06	I06	Interchange Sender ID Defined by Customer.	M	AN	15/15
ISA07	I05	Interchange ID Qualifier 01 - Duns Number ZZ- Mutually Defined	M	ID	02/02
ISA08	I07	Interchange Receiver ID Assigned at Implementation	M	AN	15/15
ISA09	I08	Interchange Date Format: YYMMDD	M	DT	06/06
ISA10	I09	Interchange Time Format: HHMM	M	TM	04/04
ISA11	I10	Intercontrol Standards Identifier U - American National Standards Committee X12.	M	ID	01/01
ISA12	I11	Interchange Version Number Determined at Implementation.	M	ID	05/05
ISA13	I12	Interchange Control Number Assigned by Customer.	M	N0	09/09
ISA14	I13	Acknowledgment 0 - No Acknowledgment Requested. 1 - Interchange Acknowledgment Requested.	M	ID	01/01
ISA15	I14	Test Indicator T - Test Data P - Production.	M	ID	01/01
ISA16	I15	Component-Element Separator	M	AN	01/01

SEGMENT: GS Functional Group Header

Purpose: To indicate the beginning of a functional group and provide control information.

Field	Element	Name/Usage	Attributes		
GS01	479	Functional ID PS – Planning Schedule	M	ID	02/02
GS02	142	Application Sender's Code Defined by Customer.	M	AN	02/15
GS03	124	Application Receiver's Code Assigned at Implementation.	M	AN	02/15
GS04	373	Date Date Transaction Sets Generated: YYMMDD	M	DT	06/06
GS05	337	Time 24-hour Clock Time When Transaction Sets Generated: HHMM.	M	TM	04/08
GS06	28	Group Control Number Sequentially Assigned by Customer.	M	N0	01/09
GS07	455	Responsible Agency Code X - American National Standards Committee X12	M	ID	01/02
GS08	480	Version/Release ID Code 003010 - Refers to X12 Transaction Sets: Positions 1-3 = Major Version Number Positions 4 – 6 = Release Number	M	AN	01/12

SEGMENT: ST Transaction Set Header Segment

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

Field	Element	Name/Usage	Attributes		
ST01	143	Transaction Set ID 830 - Planning Schedule	M	ID	03/03
ST02	329	Transaction Set Control Number A Sequential Number Assigned by Customer.	M	AN	04/09

SEGMENT: BFR - Beginning Segment for Planning Schedule

Purpose: Indicates the beginning of a planning schedule transaction set.

Field	Element	Name/Usage	Attributes		
BFR01	353	Transaction Set Purpose Code 00 – Original	M	ID	02/02
BFR02	127	Reference Number Not used.	AN	X	01/30
BFR03	328	Release Number	AN	X	01/30
BFR04	675	Forecast Type Qualifier DL – Delivery Date Based	ID	M	02/02
BFR05	676	Forecast Quantity Qualifier A – Actual discrete quantities	ID	M	01/01
BFR06	373	Forecast Start Date	M	DT	06/06
BFR07	373	Forecast End Date	O	DT	06/06
BFR08	373	Forecast Generation Date	M	DT	06/06

SEGMENT: **NTE - Notes**

Purpose: Comments and notes

Note: Optional and can repeat 15 times.

Field	Element	Name/Usage	Attributes		
NTE01	363	Reference Code GEN – General Comment	M	ID	03/03
NTE02	352	Comment	M	AN	1/60

SEGMENT: N1 - Name

Purpose: Identifies a party by type of organization , name and code.

Field	Element	Name/Usage	Attributes		
N101	98	Entity ID Code BT - Bill To	M	ID	02/02
N102	93	Name Entity ID Code Bill to name	C	AN	01/35
N103	66	Identification Code Qualifier 92 - Assigned by Customer	C	ID	01/02
N104	67	Identification Code Number Qualified by N103	C	ID	02/17

SEGMENT: N1 - Name

Purpose: Identifies a party by type of organization , name and code.

Field	Element	Name/Usage	Attributes		
N101	98	Entity ID Code ST – Ship To	M	ID	02/02
N102	93	Name Entity ID Code Ship to name	C	AN	01/35
N103	66	Identification Code Qualifier 92 - Assigned by Customer	C	ID	01/02
N104	67	Identification Code Number Qualified by N103	C	ID	02/17

SEGMENT: N1 - Name

Purpose: Identifies a party by type of organization , name and code.

Field	Element	Name/Usage	Attributes		
N101	98	Entity ID Code SU – Ship From	M	ID	02/02
N102	93	Name Entity ID Code Ship from name	C	AN	01/35
N103	66	Identification Code Qualifier 92 - Assigned by Customer	C	ID	01/02
N104	67	Identification Code Number Qualified by N103	C	ID	02/17

SEGMENT: **PER - Administrative Communications Contact**

Purpose: To identify a person or office to whom administrative communications should be directed.

Field	Element	Name/Usage	Attributes		
PER01	366	Contact Function BD - Buyer Name	M	ID	02/02
PER02	93	Name Buyer Name	O	AN	01/35
PER03	365	Communications Number Qualifier TE - Telephone	X	ID	02/02
PER04	364	Communication Number Telephone Number	X	AN	07/25

SEGMENT: **LIN - Item Identification Detail**

Purpose: To specify basic item identification data.

Field	Element	Name/Usage	Attributes		
LIN02	235	Product/ Service ID Qualifier BP - Buyer's Part	O	AN	02/02
LIN03	234	Product/ Service ID Part Number	C	AN	01/30
LIN04	235	Product/ Service ID Qualifier EC - Engineering Change Level (Optional)	O	ID	02/02
LIN05	234	Product/ Service ID Customer Part Number Revision	C	AN	01/30
LIN06	235	Product/ Service ID Qualifier VP - Vender Part Number (Optional)	O	ID	02/02
LIN07	234	Product/ Service ID Vendor Part Number	C	AN	01/30
LIN08	235	Product/ Service ID Qualifier PO - Purchase Order Number	O	ID	02/02
LIN09	234	Product/ Service ID Customer Purchase Order	C	AN	01/30

SEGMENT: UIT - Unit Detail

Purpose: To specify item unit data.

Field	Element	Name/Usage	Attributes		
UIT01	355	Unit of Measure EA - Each	M	AN	02/02

SEGMENT: **SDP - Ship/Delivery Pattern**

Purpose: Identifies specific ship/delivery requirements.

Field	Element	Name/Usage	Attributes		
SDP01	678	Ship/Delivery Pattern Code Delivery Pattern Code Identifier	M	ID	02/02
SPD02	679	Ship/Delivery Pattern Timing Code Delivery Pattern Timing Code Identifier	M	ID	01/01

SEGMENT: FST - Forecast Schedule

Purpose: To specify the forecasted dates and quantities.

Note: All L&W FST segments will have a FST02 of 'D'.

Field	Element	Name/Usage	Attributes		
FST01	380	Quantity Forecast Quantity	M	R	01/10
FST02	680	Forecast Qualifier C – Firm D – Planning All L&W FST segments sent with 'D'	M	ID	01/01
FST03	681	Forecast Timing Qualifier D – Daily W- Weekly M - Monthly	M	ID	01/01
FST04	373	Date Forecast Date - YYMMDD	M	DT	06/06
FST06	374	Date/Time Qualifier 002 – Delivery Requested (Optional and upon request only)	O	ID	03/03
FST07	373	Delivery Time Delivery Time - HHMM (Optional)	O	TM	04/04
FST08	128	Reference ID Qualifier 72 – Schedule Reference Number (Optional)	C	ID	02/03
FST09	127	Reference Reference (optional)	C	AN	1/30

SEGMENT: **ATH - Resource Authorization**

Purpose: To specify Resource Authorization..

Field	Element	Name/Usage	Attributes		
ATH01	672	Resource Authorization Qualifier PQ – Cumulative quantity required prior to first schedule period.	M	ID	02/02
ATH03	380	Quantity Authorized Quantity	M	R	01/10
ATH05	373	Date Beginning Inventory Date – YYMMDD	M	DT	06/06

SEGMENT: SHP - Shipped/Received Information

Purpose: To specify shipment and/or receipt information.

Note: Segment not present if no receipts have been made.

Field	Element	Name/Usage	Attributes		
SHP01	673	Quantity Qualifier 01 – Last Receipt Quantity	O	ID	2/2
SHP02	380	Quantity Numeric Value of Quantity	C	R	1/15
SHP03	374	Date/Time Qualifier 050 – Last Receipt	C	ID	3/3
SHP04	373	Date Last receipt date – YYMMDD	O	DT	6/6

SEGMENT: SHP - Shipped/Received Information

Purpose: To specify shipment and/or receipt information.

Note: Segment not present if no receipts have been made.

Field	Element	Name/Usage	Attributes		
SHP01	673	Quantity Qualifier 02 – Cumulative Quantity	O	ID	2/2
SHP02	380	Quantity Numeric Value of Quantity	C	R	1/15
SHP03	374	Date/Time Qualifier 051 – Last Cum Date	C	ID	3/3
SHP04	373	Date Last Cum Date – YYMMDD	O	DT	6/6

SEGMENT: REF – CN PRO/Invoice/Pack Slip#

Purpose: To transmit information about last shipment

Note: Segment only sent if 'SHP' segments are also sent

Field	Element	Name/Usage	Attributes		
REF01	128	Reference Number Qualifier CN – Packing Slip	M	ID	02/03
REF02	127	Reference Number Packing slip number from last shipment	X	AN	01/30

SEGMENT: CTT - Transaction Totals

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

Field	Element	Name/Usage	Attributes		
CTT01	354	Number of Line Items Number of IT1 Segments in this Transaction Set.	M	N0	01/06

SEGMENT: SE - Transaction Set Trailer Segment

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments.

Field	Element	Name/Usage	Attributes		
SE01	96	Number of Included Segments The Total Number of all Segments in the Transaction Set, including the ST and SE Segments.	M	N0	01/10
SE02	329	Transaction Set Control Number This Number Must Match the Transaction Set Control Number in the Transaction Set Header Segment	M	AN	04/09

SEGMENT: GE - Functional Group Trailer

Purpose: To indicate the end of a functional group and to provide control information.

Field	Element	Name/Usage	Attributes		
GE01	97	Number of Included Transaction Sets Total Number of Transaction Sets Included.	M	N0	01/06
GE02	28	Group Control Control Number The Data Interchange Control Number Must Match the Same Data Element (GS06) in the Functional Group Header Segment.	M	N0	01/09

SEGMENT: IEA - Interchange Control Trailer

Purpose: To define the end of an interchange of one or more functional groups and interchange related control segments.

Field	Element	Name/Usage	Attributes		
IEA01	I16	Number of Included Groups A Count of the Number of Functional Groups Included in a Transmission.	M	N0	01/05
IEA02	I12	Interchange Control Number The Number is Assigned by Customer; Together With Customer ID, it Uniquely Identifies Interchange Data to Supplier	M	N0	09/09

