Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory (ASC)
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set.)
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set	**M ID 3/3**	**3**	"830" = Planning Schedule with Release Capability
>>	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M AN 4/9**	**9**	Sequentially assigned by the originator starting with '000000001'

Segment: **BFR** **Beginning Segment for Planning Schedule**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a planning schedule transaction set; whether a ship or delivery based forecast; and related forecast envelope dates
Syntax Notes: 1 At least one of BFR02 or BFR03 is required.
Semantic Notes: 1 If BFR01 contains the value "04" (Net Change), BFR09 is required.
2 BFR02 is the identifying number for a forecast assigned by the orderer/purchaser.
3 BFR06 is the forecast horizon start date: The date when the forecast horizon (envelope) begins.
4 BFR07 is the forecast horizon end date: The date when the forecast horizon (envelope) ends.
5 BFR08 is the date forecast generated: The date the forecast data was generated.
6 BFR09 is the date forecast updated: The date the forecast was updated with "net change" data. (Used only when data element 353 in BFR01 contains the value "04", meaning net change.)
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**BFR01**	**353**	**Transaction Set Purpose Code** Code identifying the purpose of transaction set	**M ID 2/2**	**2**	Purpose Code: "04" = Change "05" = Replace
	BRF03	**328**	**Release Number** Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	**X AN 1/30**	**8**	Sequentially Assigned by the Originator
>>	**BRF04**	**675**	**Schedule Type Qualifier** Code identifying the type of dates used when defining a shipping or delivery time in a schedule or	**M ID 2/2**	**2**	Forecast Type: "SH" = Shipment Based "DL" = Delivery Based
>>	**BRF05**	**676**	**Schedule Quantity Qualifier** Code identifying the type of quantities used when defining a schedule or	**M ID 1/1**	**1**	"A"

>>	**BRF06**	**373**	**Date** Date expressed as CCYYMMDD	**M DT 8/8**	**8**	Horizon Start Date
	BRF07	**373**	**Date** Date expressed as CCYYMMDD	**O DT 8/8**	**8**	Horizon End Date
>>	**BRF08**	**373**	**Date** Date expressed as CCYYMMDD	**M DT 8/8**	**8**	Forecast Issue Date
	BRF09	**373**	**Date** Date expressed as CCYYMMDD	**O DT 8/8**	**8**	Date Forecast Updated

Segment: **REF** **Reference Identification**
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 15
Purpose: To specify identifying information
Syntax Notes:
1. At least one of REF02 or REF03 is required.
2. If either C04003 or C04004 is present, then the other is required.
3. If either C04005 or C04006 is present, then the other is required.

Semantic Notes:
1. REF04 contains data relating to the value cited in REF02.

Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**	**2**	"ZZ" = Mutually Defined
	REF03	**352**	**Description** A free-form description to clarify the related data elements and their content	**X AN 1/80**	**60**	Material Release Notes

Segment: **N1** **Name**
Position: 230
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code (Release Issuer's Name/Address)
Syntax Notes:
1. At least one of N102 or N013 is required.
2. If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:
1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N015 and N016 further define the type of entity in N101.

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual	**M ID 2/3**	**2**	"MI" = Material Issuer
	N102	**93**	**Name** Free-form name	**X AN 1/60**	**35**	Vendor (Issuers Name)
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67)	**X ID 1/2**	**2**	"92"
	N104	**67**	**Identification Code** Code identifying a party or other code	**X AN 2/80**	**7**	ID Code " MI- "

Segment: **N2** **Additional Name Information**
Position: 240
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those than 35 characters in length (Release Issuer's Name/Address)
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N201**	**93**	**Name** Free-form name	**M AN 1/60**	**35**	Name (additional name)

Segment: **N3** **Address Information**
Position: 250
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the location of the named party (Release Issuer's Name/Address)
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N301**	**166**	**Address Information** Address Information	**M AN 1/55**	**35**	Address

Segment: **N4** **Geographic Location**
Position: 260
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the name party (Realease Issuer's Name/Address)
Syntax Notes:
Semantic Notes:
Comments:
1. A combination of either n401 through N404, or N405 and N406 may be adequate to specify a location
2. N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
N401	**19**	**City Name** Free-form text for city name	**O AN 2/30**	**19**	Issuers City
N402	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency Free-form name	**O ID 2/2**	**2**	Issuers State
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O ID 3/15**	**9**	Issuers zip Code
N404	**26**	**Country Code** Code identifying the country	**O ID 2/3**	**2**	Issuers country Code "US"

Segment: **N1** **Name**
Position: 261
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code (Suppliers Name/Address)
Syntax Notes: 3. At least one of N102 or N013 is required.
4. If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 3. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual	**M ID 2/3**	**2**	"SU" = Material Supplier
	N102	**93**	**Name** Free-form name	**X AN 1/60**	**35**	Vendor (Suppliers Name)
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67)	**X ID 1/2**	**2**	"92"
	N104	**67**	**Identification Code** Code identifying a party or other code	**X AN 2/80**	**7**	7-digit ASC Vendor/Supplier Number

Segment: **N2** **Additional Name Information**
Position: 262
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those than 35 characters in length (Suppliers Name/Address)
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N201**	**93**	**Name** Free-form name	**M AN 1/60**	**35**	Name (additional Suppliers name)

Segment: **N3** **Address Information**
Position: 263
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the location of the named party (Suppliers Name/Address)
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N301**	**166**	**Address Information** Address Information	**M AN 1/55**	**35**	Address (suppliers address)

Segment: **N4** **Geographic Location**
Position: 264
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the name party (Supplier Name/Address)
Syntax Notes:
Semantic Notes:
Comments: 3. A combination of either n401 through N404, or N405 and N406 may be adequate to specify a location
4. N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
N401	**19**	**City Name** Free-form text for city name	**O AN 2/30**	**19**	Suppliers' City
N402	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency Free-form name	**O ID 2/2**	**2**	Suppliers' State
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O ID 3/15**	**9**	Suppliers' Zip Code
N404	**26**	**Country Code** Code identifying the country	**O ID 2/3**	**2**	Suppliers' Country Code

Segment: **N1** **Name**
Position: 265
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code (Bill – To Name/Address)
Syntax Notes: 5. At least one of N102 or N013 is required.
6. If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 4. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual	**M ID 2/3**	**2**	"BT" = Bill To
	N102	**93**	**Name** Free-form name	**X AN 1/60**	**35**	Bill – To Name
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67)	**X ID 1/2**	**2**	"92"
	N104	**67**	**Identification Code** Code identifying a party or other code	**X AN 2/80**	**7**	7-digit ASC Vendor/Supplier Number

Segment: **N2** **Additional Name Information**
Position: 266
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those than 35 characters in length (Bill – To Name/Address)
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N201**	**93**	**Name** Free-form name	**M AN 1/60**	**35**	Name (additional Bill-To name)

Segment: **N3** **Address Information**
Position: 267
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the location of the named party (Bill – To Name/Address)
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N301**	**166**	**Address Information** Address Information	**M AN 1/55**	**35**	Address (Bill – To address)

Segment: **N4** **Geographic Location**
Position: 268
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the name party (Bill – To Name/Address)
Syntax Notes:
Semantic Notes:
Comments: 5. A combination of either n401 through N404, or N405 and N406 may be adequate to specify a location
6. N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
N401	**19**	**City Name** Free-form text for city name	**O AN 2/30**	**19**	Bill – To City
N402	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency Free-form name	**O ID 2/2**	**2**	Bill – To State
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O ID 3/15**	**9**	Bill – To Zip Code
N404	**26**	**Country Code** Code identifying the country	**O ID 2/3**	**2**	Bill – To Country Code

Segment: **LIN** **Item Identification**
Position: 010
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes:
1. If either LIN04 or LIN05 is present, then the other is required.
2. If either LIN06 or LIN7 is present, then the other is required.
3. If either LIN08 or LIN09 is present, then the other is required.
4. If either LIN10 or LIN11 is present, then the other is required.
5. If either LIN12 or LIN13 is present, then the other is required.

Semantic Notes:
1. LIN01 is the line item identification

Comments:
1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No. U.P.C No. ISBN No., Model No, or SKU.

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**LIN02**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	**M ID 2/2**	2	"BP"
>>	**LIN03**	**234**	**Product/Service ID** Identifying number for a product or service	**M AN 1/48**	16	Buyers part number (ASC part number)
	LIN04	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number in Product/Service ID (234)	**X ID 2/2**	2	"PO"
	LIN05	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	13	PO Number
	LIN06	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number in Product/Service ID (234)	**X ID 2/2**	2	"VP"
	LIN07	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	30	Vendor Part Number
	LIN08	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number in Product/Service ID (234)	**X ID 2/2**	2	"EC"

LIN09	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	6	PCR Number
LIN10	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number in Product/Service ID (234)	**X ID 2/2**	2	"CR"
LIN11	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	30	Contract Number
LIN12	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number in Product/Service ID (234)	**X ID 2/2**	2	"ON"
LIN13	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	30	Customer Order Number

Segment: **UIT** **Unit Detail**
Position: 020
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify item unit data
Syntax Notes:
Semantic Notes: .
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**UIT01**	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See figures Appendix for examples of use).	**M**	**2**	Refer to "UTI01 LIST" in Data Element Values Section
>>	**C00101**	**355**	**Unit of Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**M ID 2/2**		

Segment: **PID** **Product/Item Description**
Position: 080
Loop: LIN Mandatory
Level: Detail
Usage: Optional – Occurrence 1
Max Use: 1
Purpose: Used to communicate primary metal description in a free-form format.
Syntax Notes: 1. At least one of PID04 or PID05 is required.

Semantic Notes:
Comments: 1. If PID01 equals "F", then PID05 is used. IF PID01 equals "S", then PID04 is used. IF PID01 equals "X", then both PID04 and PID05 are used.

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**PID01**	**349**	**Item Description Type** Code indicating the format of a description	**M ID 1/1**	**1**	"F" = Freeform
	PID02	**750**	**Product/Process Characteristic Code** Code identifying the general class of a product or process characteristic. Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/3**	**3**	Prod Character
	PID05	**352**	**Description** A free-form description to clarify the related data elements and their content	**X AN 1/80**	**20**	Primary Metal Description

Segment: **PID** **Product/Item Description**
Position: 081
Loop: LIN Mandatory
Level: Detail
Usage: Optional – Occurrence 2
Max Use: 1
Purpose: Used to communicate ASC part number in a free-form format
Syntax Notes: 2. At least one of PID04 or PID05 is required.

Semantic Notes:
Comments: 2. If PID01 equals "F", then PID05 is used. IF PID01 equals "S", then PID04 is used. IF PID01 equals "X", then both PID04 and PID05 are used..

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**PID01**	**349**	**Item Description Type** Code indicating the format of a description	**M ID 1/1**	**1**	"F" = Freeform
	PID02	**750**	**Product/Process Characteristic Code** Code identifying the general class of a product or process characteristic Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/3**	**3**	Prod Character
	PID05	**352**	**Description** A free-form description to clarify the related data elements and their content	**X AN 1/80**	**33**	ASC Part Description

Segment: **MEA** **Measurements**
Position: 090
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify physical measurements or counts including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001).
Syntax Notes:
1. At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2. If MEA06 is present, then MEA 04 is required.

Semantic Notes:
1. MEA04 defines the unit of measures of MEA03, MEA05, and MEA06.

Comments:
1. When citing dimensional tolerances, any measurement requiring a sing (+ or -), or any measurement where a positive (+) values cannot be assumed, use MEA05 as the negative (-) values and MEA06 as the positive (+) value

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
	MEA01	**737**	**Measurement Reference ID Code** Code identifying the broad category to which a measurement applies Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**	**2**	Reference ID
	MEA02	**738**	**Measurement Qualifier** Code identifying a specific product or process characteristic to which a measurement applies.	**O ID 1/3**	**2**	Dim Type
	MEA03	**739**	**Measurement Value** The value of the measurement	**X R 1/20**	**10**	Value
	MEA04	**C001**	**Composite Unit of Measure** To identify a composite unit of measurement (see Figures Appendix for examples of use)	**X**	**2**	
>>	**C00101**	**355**	**Unit of Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner is which a measurement has been taken. Refer to 004010 Data Element Dictionary for acceptable code values	**M ID 2/2**		U/M
	MEA06	**741**	**Range Minimum** The value specifying the minimum of the measurement range	**X R 1/20**	**5**	Coil Weight

Segment: **ATH** **Resource Authorization**
Position: 100
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To specify resource authorizations (i.e., finished labor, material, etc.) in the planning schedule
Syntax Notes:
1. At least one of ATH02 or ATH03 is required.
2. If ATH03 is present, then ATH05 is required.

Semantic Notes:
1. ATH02 is the resource authorization through date: The date through which the buyer authorizes the seller to commit the resource defined in element ATH01.
2. ATH03 is the current cumulative requirements quantity: The cumulative quantity that has been authorized to date from the cumulative start date (ATH05) through the resource authorization through date (ATH02).
3. ATH05 is the cumulative start date: The date where the cumulative quantity count starts. This date might be the start date of a contract period, a calendar or fiscal year, or other.

Comments:
1. It is imperative that negotiations defining financial commitment have previously occurred and are agreed to by both buyer and seller.

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**ATH01**	**672**	**Resource Authorization Code** Code identifying the resource which the buyer is authorizing the seller to commit to	**M ID 2/2**	**2**	"FI" = Finished (Labor, Mat'l, and Burden) "MT" = Material "ZZ" = Mutually Defined
	ATH02	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**	**`8**	Cum Qty Date
	ATH03	**380**	**Quantity** Numeric value of quantity	**X R 1/15**	**8**	See note below
	ATH05	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**	**8**	Beg. Inv Date

ATH01 = "FI", Then the Quantity field value is equal to the FIRM. Cum. Qty. (Same as 4th FST)
ATH01 = "MT", Then the Quantity field value is equal to the Raw Material Cum. Qty. (Same as 8th FST)
ATH01 = "ZZ", then the Quantity field value is equal to the FIRM Cum. (Same as 4th FST)
(This change was made after the weekly buckets were renamed
2 weeks firm, 2 weeks raw, 5 weeks plan)

Segment: **N1** **Name**
Position: 320
Loop: N1 Optional
Level: Detail
Usage: Optional – Occurrence 1
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
1. At least one of N102 or N103 is required.
2. If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:
1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual	**M ID 2/3**	**2**	"SF" = Ship From
	N102	**93**	**Name** Free-form name	**X AN 1/60**	**35**	Ship from Supplier Name
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67)	**X ID 1/2**	**2**	"92"
	N104	**67**	**Identification Code** Code identifying a party or other code	**X AN 2/80**	**7**	ID Code - Vendor/ Supplier ID Code

Segment: **N2** **Additional Name Information**
Position: 330
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N201**	**93**	**Name** Free-form name	**M AN 1/60**	**35**	Additional Name (Ship From)

Segment: **N3** **Address Information**
Position: 340
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N301**	**166**	**Address Information** Address information	**M AN 1/55**	**35**	Address (Ship From)

Segment: **N4** **Geographic Location**
Position: 350
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1. If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location
2. N402 is required only if city name (N401) is in the U.S. or Canada

Data Element Summary

Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
N401	**19**	**City Name** Free-form text for city name	**O AN 2/30**	**19**	City (Ship From)
N402	**156**	**State or Providence Code** Code (Standard State/Province) as defined by appropriate government agency	**O ID 2/2**	**2**	State (Ship From)
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O ID 3/15**	**9**	Zip Code (Ship From)
N404	**26**	**Country Code** Code identifying type of location	**O ID 2/3**	**2**	Ship From country code

Segment: **N1** **Name**
Position: 351
Loop: N1 Optional
Level: Detail
Usage: Optional – Occurrence 2
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 3. At least one of N102 or N103 is required.
4. If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 2. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual	**M ID 2/3**	**2**	"ST" = Ship To
	N102	**93**	**Name** Free-form name	**X AN 1/60**	**35**	ASC Division Name to Ship To
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67)	**X ID 1/2**	**2**	"92"
	N104	**67**	**Identification Code** Code identifying a party or other code	**X AN 2/80**	**7**	ASC Division Number (left-justified)

Segment: **N2** **Additional Name Information**
Position: 352
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N201**	**93**	**Name** Free-form name	**M AN 1/60**	**35**	Additional Name (Ship To) – if necessary

Segment: **N3** **Address Information**
Position: 353
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**N301**	**166**	**Address Information** Address information	**M AN 1/55**	**35**	Ship To ASC Division Address

Segment: **N4** **Geographic Location**
Position: 354
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes:
Semantic Notes:
Comments: 3. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location
4. N402 is required only if city name (N401) is in the U.S. or Canada

Data Element Summary

Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
N401	**19**	**City Name** Free-form text for city name	**O AN 2/30**	**19**	Ship-To City
N402	**156**	**State or Providence Code** Code (Standard State/Province) as defined by appropriate government agency	**O ID 2/2**	**2**	Ship-To State/ Province Code
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O ID 3/15**	**9**	Ship-To Zip Code
N404	**26**	**Country Code** Code identifying type of location	**O ID 2/3**	**2**	Ship To country code

Segment: **REF** **Reference Identification**
Position: 355
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: 1. At least one of REF02 or REF03 is required.

Semantic Notes:
Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M ID 2/3**	**2**	"ZZ" = indicates that the Ship Codes to follow are not ANSI standard and will be mutually defined between ASC and our Suppliers
	REF02	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**	**1**	Ship Code "A" As Directed "B"=Daily "C"=Ship on Date Shown "D"=Semi-Wkly M-F "E" Semi-weekly T-Th "F"=Tuesday "G"=Wednesday "H"=Thursday "I"=Friday "J"=Monday & Thursday "K"=Mon, Wed, and Friday "L"=Tuesday, Thursday & Fri "M"=Mon, Thurs & Friday "N"=Mon, Tues, Wed & Friday

Segment: **FST** **Forecast Schedule**
Position: 370
Loop: FST Optional
Level: Detail
Usage: Optional
Max Use: 21
Purpose: To specify the forecasted dates and quantities
Syntax Notes: .
Semantic Notes: 1. If FST03 equals "F" (indicating flexible interval), then FST04 and FST05 are required. FST04 would be used for the start date of the flexible interval and FST05 would be used for the end date of the flexible interval.

Comments:

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**FST01**	**380**	**Quantity** Numeric value of quantity	**M R 1/15**	**10**	Qty Can contain either the detail or the CUM qty, depending on the next element.
>>	**FST02**	**680**	**Forecast Qualifier** Code specifying the sender's confidence level of the forecast data or an action associated with a forecast	**M ID 1/1**	**1**	Forecast Type "A" = Immediate, "B" = Pilot/ Prevolume "C" = Firm, "D" = Planning "Z" = Mutually Defined
>>	**FST03**	**681**	**Forecast Timing Qualifier** Code specifying interval grouping of the forecast	**M ID 1/1**	**1**	Timing Type "W" = Weekly (M-Sun) "D" = Discrete "F" = Flexible Interval "M" = Monthly "Z" = Mutually Defined (CUM)
>>	**FST04**	**373**	**Date** Date expressed as CCYYMMDD	**M DT 8/8**	**8**	Date, Contains the Ship Date referenced by The previous

"REF" segment.

There will be 18 of the above-described FST segments at this position of the EDI data. There will always be a detail and CUM qty for each of the 9 dates being transmitted, even when the detail quantity is zero. The "9th", or final week's quantities will always have BOTH a detail and a CUM quantity. These quantities will be qualified as "DD" (for the 17th FST-Detail Qty) and "DZ" (for the 18th FST-CUM Qty), and will be used to represent detail and CUM Fabrication of the CUM quantity by the date listed in the final FST segment transmitted in this group. The last 3 FST segments represent planning quantities. These quantities will be qualified as "DZ" for all three.

Segment: **SDP** **Ship/Delivery Pattern**
Position: 450
Loop: SDP Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify specific ship/delivery requirements
Syntax Notes:
Semantic Notes:
Comments: 1. The intent of this segment is to define the routine ship or delivery patterns, as required, when order quantities are in "buckets", such as weekly, monthly,. Ship/delivery patterns eliminate the need to transmit discrete quantities and dates for each required shipment or delivery. It is assumed that a "bucketed" quantity is to be divided equally by the ship/delivery pattern. For example, a weekly quantity of 100 with a delivery pattern of Monday and Wednesday would result in 50 to be delivered on Monday and 50 to be delivered on Wednesday.

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**SDP01**	**678**	**Ship/Delivery or Calendar Pattern Code** Code which specifies the routine shipments, deliveries, or calendar pattern Refer to 00410 Data Element Dictionary for acceptable code values.	**M ID 1/2**	**1**	Ship/ Delivery Pattern "D"=Monday "N"=As Directed
>>	**SDP02**	**679**	**Ship/Delivery Pattern Time Code** Code which specifies the routine shipments or deliveries	**M ID 1/1**	**1**	Ship/Del Time "A" - 1st Shift "B" - 2nd Shift "C" – 3rd Shift "D" – A.M. "E" – P.M. "F" – As Dir. "Z" – Mutually Defined

Segment: **SHP** **Ship/Received Information**
Position: 470
Loop: SHP Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify shipment and/or receipt information
Syntax Notes:
1. If SHP01 is present, then SHP02 is required.
2. If SHP03 is present, then at least one of SHP04 or SHP05 is required.
3. If SHP04 is present, then SHP03 is required.

Semantic Notes:
1. SHP04 is the date shipped, delivered, received, or the cumulative quantity start date (as qualified by SHP03).
2. SHP06 is the cumulative quantity end date.

Comments:
1. The SHP segment is used to communicate shipment, delivery, or receipt information and may include discrete or cumulative quantities, dates, and times.
2. If SHP01 equals "02", "07', "09", or "10" (indicating cumulative quantities),then SHP04 and SHP06 are required to identify the start and end dates of the quantity count.

Data Element Summary

Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
SHP01	**673**	**Quantity Qualifier** Code specifying the type of quantity Refer to 00410 Data Element Dictionary for acceptable code values.	**O ID 2/2**	**2**	"01 – Discrete Qty "02" – Cumulative Qty "64" – Past Due Qty
SHP02	**380**	**Quantity** Numeric value of quantity	**X R 1/15**	**8**	Qty Quantity to be shipped for this item
SHP03	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time	**X ID 3/3**	**3**	"011" = Shipped "051" = Cumulative
SHP04	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**	**8**	Date (see note below)
SHP06	**373**	**Date** Date expressed as CCYYMMDD	**O DT 8/8**	**8**	Supplier Last Ship Date

SHP01 = "01" & SHP03 = "011", Then DATE = Last Qty Received Date
SHP01 = "02" & SHP03 = "051', Then DATE = CUM YTD Qty Received Date

Segment: **CTT** **transaction Totals**
Position: 010
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:
Semantic Notes:
Comments: 1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**CTT01**	**354**	**Number of Line Items** Total number of line items in the transaction set	**M N0 1/6**	**1**	Total LIN segments Sent in this transmission
	CTT02	**347**	**Hash Total** Sum of values of the specified data elements. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example:-.0018 First occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. -------1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	**O R 1/10**	**10**	Sum of values of all FST01 Quantities

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)
Syntax Notes:
Semantic Notes:
Comments: 1. SE is the last segment of each transaction set.

Data Element Summary

	Ref Des.	Data Element	ANSI Name	Attributes	ASC Field Size	Data Element Value/ Description
>>	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**		
>>	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M AN 4/9**		