



Message Implementation Guideline

## STORE/DC 4010 810 EDI GUIDELINE

based on

**810**

Invoice

**X12 004010**

Version: 1.1

Variant: 1

Issue date: 10/25/2017

Author: TSC

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## TSC CONTACTS AND SUMMARY

### Contact Information

TSC Store Support Center  
5401 Virginia Way  
Brentwood, TN 37027  
USA

ISSUES / QUESTIONS	CONTACT	PURPOSE
EDI Team	<a href="mailto:edicoordinator@tractorsupply.com">edicoordinator@tractorsupply.com</a>	EDI related Questions
DropShipMC	<a href="mailto:dropshipmc@tractorsupply.com">dropshipmc@tractorsupply.com</a>	Packing Slip, Label or Order Issues
Accounts Payable	<a href="mailto:vpi@tractorsupply.com">vpi@tractorsupply.com</a>	Payment Status Assistance
Vendor Compliance	<a href="mailto:tsccompliance@tractorsupply.com">tsccompliance@tractorsupply.com</a>	Compliance, Disputes, Chargebacks Etc
AP Portal	<a href="mailto:apex@ap.tractorsupply.com">apex@ap.tractorsupply.com</a>	Payment Status, Invoice Receipt (Only available after first invoice received)

### EDI Information

**Standard:** ANSI X12

**Version:** 004010

Test EDI Qualifier: 08  
Test EDI ID: 6120930015  
ISA15: T

Production EDI Qualifier: 08  
Production EDI ID: 6120930014  
ISA15: P

VAN: Sterling

### **Terminator and Separators**

Segment Terminator:	~ (tilde)
Element Separator:	* (asterisk)
Sub-Element Separator:	> (greater than sign)
Repeating element:	^ (carrot)

### **997 Acknowledgements**

It is the Vendor's responsibility to check their 997 reports for failed documents periodically throughout the day.

### **Duplicate PO Check**

It is the Vendor's responsibility to ensure that Duplicate PO check is turned on. TSC is not responsible for duplicate POs. **Do not ship Duplicate POs.**

### **EDI X12 Testing**

It is the Vendor's responsibility to pre-test the mapping before testing with TSC. TSC expects the test data to comply with the TSC EDI X12 specification.

## Structure / Table of Contents

Counter	No	Tag	St	MaxOcc	Level	Content
0000	1	<b>ISA</b>	M	1	0	Interchange Control Header
0000	2	<b>GS</b>	M	1	0	Functional Group Header
0010	3	<b>ST</b>	M	1	0	Transaction Set Header
0020	4	<b>BIG</b>	M	1	0	Beginning Segment for Invoice
0050	5	<b>REF</b>	M	12	1	Reference Identification
	0070	<b>N1</b>	M	200	1	N1
	0070	6 <b>N1</b>	M	1	1	Name
	0130	7 <b>ITD</b>	M	>1	1	Terms of Sale/Deferred Terms of Sale
	0140	8 <b>DTM</b>	M	10	1	Date/Time Reference
	0150	9 <b>FOB</b>	M	1	0	F.O.B. Related Instructions
	0010	<b>IT1</b>	M	200000	1	IT1-PID-SAC
	0010	10 <b>IT1</b>	M	1	1	Baseline Item Data (Invoice)
	0060	<b>PID</b>	O	1000	2	PID
	0060	11 <b>PID</b>	M	1	2	Product/Item Description
	0180	<b>SAC</b>	O	25	2	SAC
	0180	12 <b>SAC</b>	M	1	2	Service, Promotion, Allowance, or Charge Information
	0010	13 <b>TDS</b>	M	1	0	Total Monetary Value Summary
	0040	<b>SAC</b>	O	25	1	SAC
	0040	14 <b>SAC</b>	M	1	1	Service, Promotion, Allowance, or Charge Information
	0070	15 <b>CTT</b>	M	1	0	Transaction Totals
	0080	16 <b>SE</b>	M	1	0	Transaction Set Trailer
	0000	17 <b>GE</b>	M	1	0	Functional Group Trailer
	0000	18 <b>IEA</b>	M	1	0	Interchange Control Trailer

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group

St = Status (M=Mandatory, R=Required, C=Conditional,  
 O=Optional, F=Floating, D=Dependent, A=Advised,  
 S=Situational, X=Not used, N=Not recommended)

## Segments

Counter	No	Tag	St	MaxOcc	Level	Name
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0000	1	<b>ISA</b>	M	1	0	Interchange Control Header
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Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
ISA 01	I01	Authorization Information Qualifier	M ID 2/2	<b>00 No Authorization Information Present (No Meaningful Information in I02)</b>
ISA 02	I02	Authorization Information	M AN 10/10	Ten Blanks
ISA 03	I03	Security Information Qualifier	M ID 2/2	<b>00 No Security Information Present (No Meaningful Information in I04)</b>
ISA 04	I04	Security Information	M AN 10/10	Ten Blanks
ISA 05	I05	Interchange ID Qualifier	M ID 2/2	
ISA 06	I06	Interchange Sender ID	M AN 15/15	
ISA 07	I05	Interchange ID Qualifier	M ID 2/2	<b>08 UCC EDI Communications ID (Comm ID)</b>
ISA 08	I07	Interchange Receiver ID	M AN 15/15	Production 6120930014 Test 6120930015
ISA 09	I08	Interchange Date	M DT 6/6	YYMMDD
ISA 10	I09	Interchange Time	M TM 4/4	HHMM
ISA 11	I10	Interchange Control Standards Identifier	M ID 1/1	<b>U U.S. EDI Community of ASC X12, TDCC, and UCS</b>
ISA 12	I11	Interchange Control Version Number	M ID 5/5	<b>00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997</b>
ISA 13	I12	Interchange Control Number	M N0 9/9	The interchange control number will be assigned sequentially by the vendor.
ISA 14	I13	Acknowledgment Requested	M ID 1/1	<b>0 No Acknowledgment Requested</b>
ISA 15	I14	Usage Indicator	M ID 1/1	<b>T Test Data</b> <b>P Production Data</b>
ISA 16	I15	Component Element Separator	M AN 1/1	HEX "6E" (>)

### Remark:

### Example:

```
ISA*00*          *00*          *01*XXXXXXXXXXXXX*08*6120930015      *170330*1343*U*00401*999999999*0*
T*>
```

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Counter	No	Tag	St	MaxOcc	Level	Name
0000	2	<b>GS</b>	M	1	0	Functional Group Header

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
GS 01	479	Functional Identifier Code	M ID 2/2	<b>IN Invoice Information (810,819)</b>
GS 02	142	Application Sender's Code	M AN 2/15	This value will be the same as the sender ID in ISA06. Any other value must be pre-approved by a TSC EDI analyst prior to usage.
GS 03	124	Application Receiver's Code	M AN 10/10	Production 6120930014 Test 6120930015
GS 04	373	Date	M DT 8/8	CCYYMMDD
GS 05	337	Time	M TM 4/8	HHMMSSDD
GS 06	28	Group Control Number	M NO 1/9	This is assigned sequentially within each group for each receiver.
GS 07	455	Responsible Agency Code	M AN 1/1	<b>X Accredited Standards Committee X12</b>
GS 08	480	Version / Release / Industry Identifier Code	M AN 6/6	<b>004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997</b>

**Remark:****Example:**

GS\*IN\*XXXXXXXXXXXXXXXX\*6120930015\*20170330\*1343\*1\*X\*004010~

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
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Counter	No	Tag	St	MaxOcc	Level	Name
0010	3	<b>ST</b>	M	1	0	Transaction Set Header

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
ST01	143	Transaction Set Identifier Code	M ID 3/3	<b>810 Invoice</b>
ST02	329	Transaction Set Control Number	M AN 4/9	The Transaction Set Control Number is sequentially assigned to each transaction set for each receiver.

**Remark:****Example:**

ST\*810\*XXXX~

No = Consecutive segment number  
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Counter	No	Tag	St	MaxOcc	Level	Name
0020	4	<b>BIG</b>	M	1	0	Beginning Segment for Invoice

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
BIG 01	373	Date	M DT 8/8	Invoice issue date, CCYYMMDD. The exact date that appears on the hard copy invoice.
BIG 02	76	Invoice Number	M AN 1/22	The exact invoice number that appears on the hard copy invoice.
BIG 04	324	Purchase Order Number	M AN 7/10	TSC's 10 digit PO number. This corresponds to the BEG03 data element on the 850/PO. ***If for a special order, the PO number will be 7 digits in length and will begin with 8***

**Remark:****Example:**

BIG\*20170330\*XXXXXXXXXX\*XXXXXXXXXX~

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
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Counter	No	Tag	St	MaxOcc	Level	Name
0050	5	<b>REF</b>	M	12	1	Reference Identification

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
REF 01	128	Reference Identification Qualifier	M ID 2/2	<b>IA Internal Vendor Number</b>
REF 02	127	Reference Identification	M N0 6/6	Your six digit TSC vendor number.

**Remark:**

The REF segment should match the REF\*IA segment on the 850/PO

**Example:**

REF\*IA\*123456~

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 Counter = Counter of segment/group within the standard

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Counter	No	Tag	St	MaxOcc	Level	Name
0070		<b>N1</b>	M	200	1	<b>N1</b>
0070	6	<b>N1</b>	M	1	1	<b>Name</b>

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
N1 01	98	Entity Identifier Code	M ID 2/2	<b>BY Buying Party (Purchaser)</b> <b>ST Ship To</b>
N1 03	66	Identification Code Qualifier	M ID 2/2	<b>92 Assigned by Buyer or Buyer's Agent</b>
N1 04	67	Identification Code	M N0 4/4	4 digit TSC Store/DC code. If the Store/DC number number is 3 digits, a leading 0 should be used. Contact TSC inventory management if you need an updated store listing.

**Remark:**

Only 1 N1 segment should be included

**Example:**

N1\*ST\*\*92\*1111~

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 Counter = Counter of segment/group within the standard

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Counter	No	Tag	St	MaxOcc	Level	Name
0130	7	<b>ITD</b>	M	>1	1	Terms of Sale/Deferred Terms of Sale

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
ITD 01	336	Terms Type Code	M ID 2/2	<b>05 Discount Not Applicable</b> <b>08 Basic Discount Offered</b>
ITD 03	338	Terms Discount Percent	C R 1/6	***Only use if TD101 value is 08*** Terms discount percentage, expressed as a percent that is available to TSC if paid on or before the Term's Discount Due Date
ITD 05	351	Terms Discount Days Due	C N0 1/3	***Only use if TD101 value is 08*** Number of days in the term's discount period during which payment is due.
ITD 07	386	Terms Net Days	M N0 1/3	Number of days until invoice is due.
ITD 12	352	Description	M AN 1/80	A free-form description to clarify the related data elements and their contents.

**Remark:**

The ITD segment should match the ITD segment on the 850/PO

**Example:**

ITD\*08\*\*1.00\*\*30\*\*60\*\*\*\*\*NET 60~

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 Counter = Counter of segment/group within the standard

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Counter	No	Tag	St	MaxOcc	Level	Name
0140	8	<b>DTM</b>	M	10	1	Date/Time Reference

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
DTM01	374	Date/Time Qualifier	M ID 3/3	<b>011 Shipped</b>
DTM02	373	Date	M DT 8/8	CCYYMMDD Date order shipped

**Remark:****Example:**

DTM\*011\*20170330~

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,  
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Counter	No	Tag	St	MaxOcc	Level	Name
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0150 9 **FOB** M 1 0 F.O.B. Related Instructions

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
FOB 01	146	Shipment Method of Payment	M ID 2/2	<b>CC Collect</b> <b>CF Collect, Freight Credited Back to Customer</b> <b>DF Defined by Buyer and Seller</b> <b>MX Mixed</b> <b>PC Prepaid but Charged to Customer</b> <b>PO Prepaid Only</b> <b>PP Prepaid (by Seller)</b>

**Remark:**

The FOB segment should match the ITD segment on the 850/PO

**Example:**

FOB\*CC~

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,  
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Counter	No	Tag	St	MaxOcc	Level	Name
0010		<b>IT1</b>	M	200000	1	<b>IT1-PID-SAC</b>
0010	10	<b>IT1</b>	M	1	1	<b>Baseline Item Data (Invoice)</b>

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
IT1 01	350	Assigned Identification	O AN 1/20	Line item number
IT1 02	358	Quantity Invoiced	M R 1/10	Number of units invoiced.
IT1 03	355	Unit or Basis for Measurement Code	M ID 2/2	The UOM must match the UOM on the 850/PO
IT1 04	212	Unit Price	M R 1/17	SKU price per UOM. ***Maximum 2 decimal positions***
IT1 06	235	Product/Service ID Qualifier	M ID 2/2	<b>IN Buyer's Item Number</b> ***If the invoice is for a special order, the IT106 is not required***
IT1 07	234	Product/Service ID	M AN 7/7	TSC's 7 digit SKU number. ***If the invoice is for a special order, the IT107 is not required***
IT1 08	235	Product/Service ID Qualifier	M ID 2/2	<b>VN Vendor's (Seller's) Item Number</b>
IT1 09	234	Product/Service ID	M AN 1/48	Vendor's item/part number
IT1 10	235	Product/Service ID Qualifier	M ID 2/2	<b>UP U.P.C. Consumer Package Code (1-5-5-1)</b>
IT1 11	234	Product/Service ID	M AN 12/13	12 digit UPC number. If UPC is 11 digits, add leading 0

**Remark:****Example:**

IT1\*10\*1\*EA\*9\*\*IN\*1234567\*VN\*123\*UP\*123456789098~

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
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Counter	No	Tag	St	MaxOcc	Level	Name
0060		<b>PID</b>	O	1000	2	<b>PID</b>
0060	11	<b>PID</b>	M	1	2	<b>Product/Item Description</b>

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
PID 01	349	Item Description Type	M ID 1/1	<b>F Free-form</b>
PID 05	352	Description	M AN 1/30	Free-form product description

**Remark:**

If turnaround template is used, the PID segment is not required

**Example:**

PID\*F\*\*\*\*PRODUCT DESCRIPTION~

No = Consecutive segment number  
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Counter	No	Tag	St	MaxOcc	Level	Name
0180		<b>SAC</b>	O	25	2	<b>SAC</b>
0180	12	<b>SAC</b>	M	1	2	<b>Service, Promotion, Allowance, or Charge Information</b>

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
SAC 01	248	Allowance or Charge Indicator	M ID 1/1	<b>A Allowance</b> <b>C Charge</b>
SAC 02	1300	Service, Promotion, Allowance, or Charge Code	M ID 4/4	SEE ATTACHED CODES LIST
SAC 05	610	Amount	M N2 1/15	
SAC 12	331	Allowance or Charge Method of Handling Code	M ID 2/2	<b>02 Off Invoice</b> <b>06 Charge to be Paid by Customer</b>

**Remark:****Example:**

SAC\*A\*A010\*\*\*9\*\*\*\*\*02~

No = Consecutive segment number  
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Counter	No	Tag	St	MaxOcc	Level	Name
0010	13	<b>TDS</b>	M	1	0	<b>Total Monetary Value Summary</b>

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
TDS 01	610	Amount	M N2 1/15	Amount of invoice (including charges, less allowances) before terms discount (if discount is applicable)

**Remark:****Example:**

TDS\*9~

No = Consecutive segment number  
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Counter	No	Tag	St	MaxOcc	Level	Name
0040		<b>SAC</b>	O	25	1	<b>SAC</b>
0040	14	<b>SAC</b>	M	1	1	<b>Service, Promotion, Allowance, or Charge Information</b>

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
SAC 01	248	Allowance or Charge Indicator	M ID 1/1	<b>A Allowance</b> <b>C Charge</b>
SAC 02	1300	Service, Promotion, Allowance, or Charge Code	M ID 4/4	SEE ATTACHED CODES LIST
SAC 05	610	Amount	M N2 1/15	
SAC 12	331	Allowance or Charge Method of Handling Code	M ID 2/2	<b>02 Off Invoice</b> <b>06 Charge to be Paid by Customer</b>

**Remark:****Example:**

SAC\*A\*A010\*\*\*9\*\*\*\*\*02~

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 Counter = Counter of segment/group within the standard

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Counter	No	Tag	St	MaxOcc	Level	Name
0070	15	<b>CTT</b>	M	1	0	Transaction Totals

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
CTT 01	354	Number of Line Items	M N0 1/6	Total number IT1 segments

**Remark:**

**Example:**

CTT\*1~

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
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Counter	No	Tag	St	MaxOcc	Level	Name
0080	16	<b>SE</b>	M	1	0	Transaction Set Trailer

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
SE 01	96	Number of Included Segments	M N0 1/10	
SE 02	329	Transaction Set Control Number	M AN 4/9	Must match ST02 value

**Remark:****Example:**

SE\*14\*XXXX~

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
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Counter	No	Tag	St	MaxOcc	Level	Name
0000	17	<b>GE</b>	M	1	0	Functional Group Trailer

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
GE 01	97	Number of Transaction Sets Included	M N0 1/6	Number of ST segments within GS Segment
GE 02	28	Group Control Number	M N0 1/9	Must match GS06 value

**Remark:****Example:**

GE\*1\*1~

No = Consecutive segment number  
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Counter	No	Tag	St	MaxOcc	Level	Name
0000	18	<b>IEA</b>	M	1	0	Interchange Control Trailer

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
IEA 01	I16	Number of Included Functional Groups	M N0 1/5	Number of GS Segments within ISA envelope
IEA 02	I12	Interchange Control Number	M N0 9/9	Must match ISA13 value

**Remark:****Example:**

IEA\*1\*999999999~

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
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## TSC Store/DC Change Log – 810 Invoice

**TSC 810 4010 MERCHANDISE INVOICE DOCUMENT**  
**TRACTOR SUPPLY COMPANY**  
**ACCEPTABLE CODES**  
**SPECIAL CHARGES OR ALLOWANCES**  
**(SAC02 data element)**

**CODE DEFINITION**

A170 Adjustments  
 A260 Advertising Allowance  
 A380 Allowance Advance  
 B560 Container Allowance  
 B630 Container/Trailer Allowance  
 B720 Cooperative Advertising/Merchandising Allowance (Performance)  
 C000 Defective Allowance  
 C260 Discount - Incentive  
 C300 Discount - Special  
 C310 Discount  
 C560 Early Ship Allowance  
 C580 Emergency Service  
 D240 Freight  
 D500 Handling  
 D530 Hazardous Cargo Charge  
 D980 Insurance  
 E410 Loading  
 E740 New Store Allowance  
 E750 New Store Discount  
 E760 New Warehouse Discount  
 E800 No Return Credit Allowance  
 F170 Pallet Exchange Charge  
 F180 Pallet  
 F340 Pick/Up  
 F800 Promotional Allowance  
 F810 Promotional Discount  
 F970 Rebate  
 G100 Recovery  
 G170 Redistribution Allowance  
 G470 Restocking Charge  
 G660 Scrap Allowance  
 G830 Shipping and Handling  
 G870 Shrink Wrap Charge  
 G970 Small Order Charge  
 H000 Special Allowance  
 H390 Stop-Off Charge

No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,  
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**Changes**

7/27/17

- BIG04 changed to 7/10 characters allowed
- REF01 to 2/2 characters
- N103 changed to 2/2
- ITD03 and ITD05 changed to Conditional
- SAC01, 02, 05, 12 changed to Mandatory when present
- Removed CAD Segment

No = Consecutive segment number  
MaxOcc = Maximum occurrence of the segment/group  
Counter = Counter of segment/group within the standard

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S=Situational, X=Not used, N=Not recommended)

**Example Data**

ISA\*00\*        \*00\*        \*01\*007016082    \*08\*6120930001    \*170514\*1414\*U\*00401\*000006724\*0\*T\*> ~  
GS\*IN\*007016082\*6120930001\*20170514\*1414\*6726\*X\*004010~  
ST\*810\*67260001~  
BIG\*20170513\*0916612032\*20170428\*8319411~  
N1\*BY\*\*92\*1126~  
ITD\*05\*\*\*\*\*50\*\*\*\*\*NET 50~  
DTM\*011\*20170514~  
FOB\*CC~  
IT1\*000010\*1\*EA\*123.24\*\*IN\*638912\*VN\*123-456\*UP\*043419924321~  
PID\*F\*\*\*\*\*JOBSITE BROWN 60" CHEST~  
TDS\*12324~  
CTT\*1\*1~  
SE\*11\*67260001~  
GE\*1\*6726~  
IEA\*1\*000006724~

No = Consecutive segment number  
MaxOcc = Maximum occurrence of the segment/group  
Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,  
O=Optional, F=Floating, D=Dependent, A=Advised,  
S=Situational, X=Not used, N=Not recommended)