



Message Implementation Guideline

TSC 810 Direct to Consumer (DTC)

based on

810

Invoice

X12 004010

Version: 1.2
Variant: 11
Issue date: 08/08/2019
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	edicoordinator@tractorsupply.com	EDI related Questions
DropShipMC	dropshipmc@tractorsupply.com	Packing Slip, Label or Order Issues
Vendor Compliance	tsccompliance@tractorsupply.com	Compliance, Disputes, Chargebacks, etc.
AP Portal	askAP@tractorsupply.com	Payment Status, Invoice Receipt (Only available after first invoice received)

EDI Information:

Standard: ANSI X12

Version: 004010

Test EDI Qualifier: 08

Test EDI ID: 6120930011

ISA15: T

Production EDI Qualifier: 08

Production EDI ID: 6120930010

ISA15: P

Terminator and Separators:

Segment Terminator: ~ (tilde)

Element Separator: * (asterisk)

Sub-Element Separator: > (greater than sign)

Repeating element: ^ (carrot)

997 Acknowledgments

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	ISA	M	1	0	Interchange Control Header
0000	2	GS	C	200000	1	Functional Group Header
0010	3	ST	M	1	0	Transaction Set Header
0020	4	BIG	M	1	0	Beginning Segment for Invoice
0050	5	REF	O	12	1	Reference Identification
0070		N1	O	200	1	N1-N3-N4
0070	6	N1	M	1	1	Name
0090	7	N3	O	2	2	Address Information
0100	8	N4	O	1	2	Geographic Location
0130	9	ITD	M	>1	1	Terms of Sale/Deferred Terms of Sale
0140	10	DTM	M	10	1	Date/Time Reference
0150	11	FOB	O	1	0	F.O.B. Related Instructions
0010		IT1	M	200000	1	IT1-PID-SAC
0010	12	IT1	M	1	1	Baseline Item Data (Invoice)
0060		PID	O	1000	2	PID
0060	13	PID	M	1	2	Product/Item Description
0180		SAC	O	25	2	SAC-TXI
0180	14	SAC	M	1	2	Service, Promotion, Allowance, or Charge Information
0190	15	TXI	O	10	3	Tax Information
0010	16	TDS	M	1	0	Total Monetary Value Summary
0030	17	CAD	M	1	0	Carrier Detail
0035	18	AMT	O	>1	1	Monetary Amount
0040		SAC	O	25	1	SAC-TXI
0040	19	SAC	M	1	1	Service, Promotion, Allowance, or Charge Information
0050	20	TXI	O	10	2	Tax Information
0070	21	CTT	O	1	0	Transaction Totals
0080	22	SE	M	1	0	Transaction Set Trailer
0000	23	GE	C	1	0	Functional Group Trailer
0000	24	IEA	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 **ISA** M 1 0 Interchange Control Header

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
ISA 01	I01	Authorization Information Qualifier	M ID 2/2	
ISA 02	I02	Authorization Information	M AN 10/10	
ISA 03	I03	Security Information Qualifier	M ID 2/2	
ISA 04	I04	Security Information	M AN 10/10	
ISA 05	I05	Interchange ID Qualifier	M ID 2/2	01 Duns (Dun & Bradstreet) 02 SCAC (Standard Carrier Alpha Code) 08 UCC EDI Communications ID (Comm ID) 12 Phone (Telephone Companies) 14 Duns Plus Suffix ZZ Mutually Defined
ISA 06	I06	Interchange Sender ID	M AN 15/15	
ISA 07	I05	Interchange ID Qualifier	M ID 2/2	01 Duns (Dun & Bradstreet) 02 SCAC (Standard Carrier Alpha Code) 08 UCC EDI Communications ID (Comm ID) 12 Phone (Telephone Companies) 14 Duns Plus Suffix ZZ Mutually Defined
ISA 08	I07	Interchange Receiver ID	M AN 15/15	
ISA 09	I08	Interchange Date	M DT 6/6	
ISA 10	I09	Interchange Time	M TM 4/4	
ISA 11	I10	Interchange Control Standards Identifier	M ID 1/1	U U.S. EDI Community of ASC X12, TDCC, and UCS
ISA 12	I11	Interchange Control Version Number	M ID 5/5	00400 Standard Issued as ANSI X12.5-1997
ISA 13	I12	Interchange Control Number	M NO 9/9	
ISA 14	I13	Acknowledgment Requested	M ID 1/1	0 No Acknowledgment Requested
ISA 15	I14	Usage Indicator	M ID 1/1	P Production Data T Test Data
ISA 16	I15	Component Element Separator	M AN 1/1	
ISA 16	I15	Component Element Separator	M AN 1/1	
ISA 16	I15	Component Element Separator	M AN 1/1	
ISA 16	I15	Component Element Separator	M AN 1/1	
ISA 16	I15	Component Element Separator	M AN 1/1	
ISA 16	I15	Component Element Separator	M AN 1/1	

Remark:

Example:

ISA*00* *00* *01*001234567* 08*6120930010 *000130204*2303*
 U*00401*999999999*0*P*>~

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Counter	No	Tag	St	MaxOcc	Level	Name
0000	2	GS	C	200000	0	Functional Group Header

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
GS 01	479	Functional Identifier Code	M ID 2/2	IN Invoice Information (810,819)
GS 02	142	Application Sender's Code	M AN 2/15	
GS 03	124	Application Receiver's Code	M AN 2/15	
GS 04	373	Date	M DT 8/8	
GS 05	337	Time	M TM 4/8	
GS 06	28	Group Control Number	M N0 1/9	
GS 07	455	Responsible Agency Code	M ID 1/2	X Accredited Standards Committee X12
GS 08	480	Version / Release / Industry Identifier Code	M AN 1/12	004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Remark:**Example:**

GS*IN*001234567*6120930010*20190204*2303*99*X*004010~

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Counter	No	Tag	St	MaxOcc	Level	Name
0010	3	ST	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	810 Invoice
ST02	329	Transaction Set Control Number	M AN 4/9	

Remark:**Example:**

ST*810*900000857~

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Counter	No	Tag	St	MaxOcc	Level	Name
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0020 4 **BIG** M 1 0 Beginning Segment for Invoice

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
BIG 01	373	Date	M DT 8/8	
BIG 02	76	Invoice Number	M AN 1/22	
BIG 03	373	Date	O DT 8/8	
BIG 04	324	Purchase Order Number	O N0 10/10	TSC 10 digit purchase order number

Remark:**Example:**

BIG*20190131*290426A*20190125*9000001109~

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Counter	No	Tag	St	MaxOcc	Level	Name
0050	5	REF	O	12	1	Reference Identification

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
REF 01	128	Reference Identification Qualifier	M ID 2/3	IA Internal Vendor Number
REF 02	127	Reference Identification	C AN 1/30	6 Digit DTC Vendor #

Remark:**Example:**

REF*IA*800000~

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Counter	No	Tag	St	MaxOcc	Level	Name
0070		N1	O	200	1	N1-N3-N4
0070	6	N1	M	1	1	Name

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
N1 01	98	Entity Identifier Code	M ID 2/3	ST Ship To BT Bill-to-Party
N1 02	93	Name	C AN 1/60	
N1 03	66	Identification Code Qualifier	C ID 1/2	92 Assigned by Buyer or Buyer's Agent
N1 04	67	Identification Code	C AN 2/80	ST value will equal 9999 BT value will equal 5509

Remark:**Example:**

N1*ST*John Smith*92*9999~

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Counter	No	Tag	St	MaxOcc	Level	Name
0070		N1	O	200	1	N1-N3-N4
0090	7	N3	O	2	2	Address Information

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
N3 01	166	Address Information	M AN 1/55	

Remark:**Example:**

N3*5401 Virginia Way~

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Counter	No	Tag	St	MaxOcc	Level	Name
0070		N1	O	200	1	N1-N3-N4
0100	8	N4	O	1	2	Geographic Location

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
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	

Remark:**Example:**

N4*Brentwood*TN*37027*US~

No = Consecutive segment number
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Counter	No	Tag	St	MaxOcc	Level	Name
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0130 9 **ITD** 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	O ID 2/2	05 Discount Not Applicable 08 Basic Discount Offered
ITD 03	338	Terms Discount Percent	O R 1/6	
ITD 05	351	Terms Discount Days Due	C NO 1/3	
ITD 07	386	Terms Net Days	O NO 1/3	
ITD 12	352	Description	O AN 1/80	

Remark:**Example:**

ITD*05*****30*****Net 30~

ITD*08**3**30**31*****3% 30 NET 31~

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

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
DTM01	374	Date/Time Qualifier	M ID 3/3	011 Shipped
DTM02	373	Date	C DT 8/8	

Remark:**Example:**

DTM*011*20190131~

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Counter	No	Tag	St	MaxOcc	Level	Name
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0150 11 **FOB** O 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	PP Prepaid (by Seller)

Remark:

Example:

FOB*PP~

No = Consecutive segment number
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Counter	No	Tag	St	MaxOcc	Level	Name
0010		IT1	M	200000	1	IT1-PID-SAC
0010	12	IT1	M	1	1	Baseline Item Data (Invoice)

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
IT1 01	350	Assigned Identification	O AN 1/20	
IT1 02	358	Quantity Invoiced	C R 1/10	
IT1 03	355	Unit or Basis for Measurement Code	C ID 2/2	EA Each
IT1 04	212	Unit Price	C R 1/17	The unit cost
IT1 05	639	Basis of Unit Price Code	O ID 2/2	QE Quoted Price per Each
IT1 06	235	Product/Service ID Qualifier	M ID 2/2	UP U.P.C. Consumer Package Code (1-5-5-1) EN European Article Number (EAN) (2-5-5-1)
IT1 07	234	Product/Service ID	M ID 12/13	
IT1 08	235	Product/Service ID Qualifier	M ID 2/2	VN Vendor's (Seller's) Item Number
IT1 09	234	Product/Service ID	M AN 1/48	
IT1 10	235	Product/Service ID Qualifier	M ID 2/2	IN Buyer's Item Number
IT1 11	234	Product/Service ID	M AN 7/7	

Remark:**Example:**

IT1*1*1*EA*19.5**UP*123456789012*VN*0936ABC*IN*1234567~

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Counter	No	Tag	St	MaxOcc	Level	Name
0060		PID	O	1000	2	PID
0060	13	PID	M	1	2	Product/Item Description

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
PID 01	349	Item Description Type	M ID 1/1	F Free-form
PID 05	352	Description	C AN 1/80	

Remark:**Example:**

PID*F****PRODUCT DESCRIPTION~

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Counter	No	Tag	St	MaxOcc	Level	Name
0180		SAC	O	25	2	SAC-TXI
0180	14	SAC	M	1	2	Service, Promotion, Allowance, or Charge Information

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
SAC 01	248	Allowance or Charge Indicator	M ID 1/1	A Allowance C Charge
SAC 02	1300	Service, Promotion, Allowance, or Charge Code	C ID 4/4	All charges are to be pre-approved by your buyer in order to avoid vendor compliance issues.
SAC 05	610	Amount	O N2 1/15	
SAC 12	331	Allowance or Charge Method of Handling Code	O ID 2/2	02 Off Invoice
SAC 15	352	Description	C AN 1/80	

Remark:**Example:**

SAC*A*A530***9*****02***DESCRIPTION~

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
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Counter	No	Tag	St	MaxOcc	Level	Name
0180		SAC	O	25	2	SAC-TXI
0190	15	TXI	O	10	3	Tax Information

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
TXI01	963	Tax Type Code	M ID 2/2	
TXI02	782	Monetary Amount	C R 1/18	
TXI03	954	Percent	C R 1/10	
TXI04	955	Tax Jurisdiction Code Qualifier	C ID 2/2	
TXI05	956	Tax Jurisdiction Code	C AN 1/10	
TXI06	441	Tax Exempt Code	C ID 1/1	
TXI07	662	Relationship Code	O ID 1/1	
TXI08	828	Dollar Basis For Percent	O R 1/9	
TXI09	325	Tax Identification Number	O AN 1/20	
TXI10	350	Assigned Identification	O AN 1/20	

Remark:**Example:**

TXI*AA*9*9*CD*X*0*A*9*X*X~

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Counter	No	Tag	St	MaxOcc	Level	Name
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0010 16 **TDS** M 1 0 **Total Monetary Value Summary**

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*1950~

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Counter	No	Tag	St	MaxOcc	Level	Name
0030	17	CAD	M	1	0	Carrier Detail

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
CAD 01	91	Transportation Method/Type Code	M ID 1/2	LT Less Than Trailer Load (LTL) MP Motor (Package Carrier)
CAD 04	140	Standard Carrier Alpha Code	M ID 2/4	
CAD 05	387	Routing	M AN 1/35	Carrier Name
CAD 07	128	Reference Identification Qualifier	M ID 2/3	08 Carrier Assigned Package Identification Number
CAD 08	127	Reference Identification	M AN 1/30	

Remark:**Example:**

CAD*MP***UPSN*UNITED PARCEL SERVICE G**08*00510710000287770~

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Counter	No	Tag	St	MaxOcc	Level	Name
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0035 18 **AMT** O >1 1 Monetary Amount

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
AMT 01	522	Amount Qualifier Code	M ID 1/3	TZ Transportation Cost Total
AMT 02	782	Monetary Amount	M R 1/18	The shipping cost of the order.

Remark:**Example:**

AMT*TZ*9~

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Counter	No	Tag	St	MaxOcc	Level	Name
0040		SAC	O	25	1	SAC-TXI
0040	19	SAC	M	1	1	Service, Promotion, Allowance, or Charge Information

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
SAC 01	248	Allowance or Charge Indicator	M ID 1/1	
SAC 02	1300	Service, Promotion, Allowance, or Charge Code	C ID 4/4	All charges are to be pre-approved by your buyer in order to avoid vendor compliance issues.
SAC 05	610	Amount	O N2 1/15	
SAC 12	331	Allowance or Charge Method of Handling Code	O ID 2/2	02 Off Invoice
SAC 15	352	Description	C AN 1/80	

Remark:**Example:**

SAC*A*A530***9*****02***DESCRIPTION~

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Counter	No	Tag	St	MaxOcc	Level	Name
0040		SAC	O	25	1	SAC-TXI
0050	20	TXI	O	10	2	Tax Information

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
TXI01	963	Tax Type Code	M ID 2/2	
TXI02	782	Monetary Amount	C R 1/18	
TXI03	954	Percent	C R 1/10	
TXI04	955	Tax Jurisdiction Code Qualifier	C ID 2/2	
TXI05	956	Tax Jurisdiction Code	C AN 1/10	
TXI06	441	Tax Exempt Code	C ID 1/1	
TXI07	662	Relationship Code	O ID 1/1	
TXI08	828	Dollar Basis For Percent	O R 1/9	
TXI09	325	Tax Identification Number	O AN 1/20	
TXI10	350	Assigned Identification	O AN 1/20	

Remark:**Example:**

TXI*AA*9*9*CD*X*0*A*9*X*X!~

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Counter	No	Tag	St	MaxOcc	Level	Name
0070	21	CTT	O	1	0	Transaction Totals

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

Remark:

Example:

CTT*1~

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Counter	No	Tag	St	MaxOcc	Level	Name
0080	22	SE	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	

Remark:**Example:**

SE*17*900000857~

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Counter	No	Tag	St	MaxOcc	Level	Name
0000	23	GE	C	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	
GE 02	28	Group Control Number	M N0 1/9	

Remark:**Example:**

GE*1*99~

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Counter	No	Tag	St	MaxOcc	Level	Name
0000	24	IEA	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	
IEA 02	I12	Interchange Control Number	M N0 9/9	
IEA 02	I12	Interchange Control Number	M N0 9/9	
IEA 02	I12	Interchange Control Number	M N0 9/9	

Remark:**Example:**

IEA*1*900000136~

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)

TSC DTC Change Log – 810 Invoice

01/02/2013

- Changed the N101 from RI to BT
- Updated values for the N104
- IT110, Added EN qualifier for 13 digit item numbers

01/23/2013

- ITD01, Removed qualifier 01 and added 08 for Terms Discount

02/08/2013

- Added sample data to last page of the specifications.

06/21/2013

- IT108 changed to UP or EN
- IT112 changed to IN

08/02/2019

- Changed the DTC Test & Production EDI IDs
- Changed Guidelines title to read TSC 810 Direct to Consumer (DTC)
- Added text "6 Digit DTC vendor #" to REF02
- Updated Contact information
- Added ITD05 Example
- Changed all DS (dropship) designations to DTC (direct to consumer)

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)

810 Sample Data:

ISA*00* *00* *01*001234567 *08*6120930010 *190204*2303*U*00400*900000136*0*P*>~

GS*IN*001234567*6120930010*20190204*2303*99*X*004010~

ST*810*900000857~

BIG*20190131*29042619*20190125*9000001109~

N1*ST*John Smith*92*9999~

N3*5401 Virginia Way~

N4*Brentwood*TN*37027*US~

N1*BT*TSC DTC*92*5509~

N3*PO Box 7000~

N4*Brentwood*TN*37027-7536~

ITD*05*****30*****NET 30 DAYS~

DTM*011*20190131~

FOB*PP~

IT1*1*1*EA*19.5**UP*123456789012*VN*0936ABC*IN*0123456~

PID*F****0936DEN30 30~

TDS*1950~

CAD*MP***UPS*UNITED PARCEL SERVICE G**08*00510710000287770~

CTT*1~

SE*17*900000857~

GE*1*99~

IEA*1*900000136~

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)