



Message Implementation Guideline

DTC 4010 846 EDI GUIDELINE

based on

846

Inventory Inquiry/Advice

X12 004010

Version: 1.2
Variant: 7
Issue date: 07/26/2019
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 Issues, Disputes, Chargebacks
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 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	ISA	M	1	0	Interchange Control Header
0000	2	GS	C	1	0	Functional Group Header
0010	3	ST	M	1	0	Transaction Set Header
0020	4	BIA	M	1	0	Beginning Segment for Inventory Inquiry/Advice
0060	5	REF	M	12	1	Reference Identification
0010		LIN	M	10000	1	LIN-PID-QTY
0010	6	LIN	M	1	1	Item Identification
0030	7	PID	M	200	2	Product/Item Description
0320		QTY	M	99	2	QTY-SCH
0320	8	QTY	M	1	2	QTY Available
0360		SCH	M	25	3	SCH
0360	9	SCH	M	1	3	Line Item Schedule
0010	10	CTT	O	1	0	Transaction Totals
0020	11	SE	M	1	0	Transaction Set Trailer
0000	12	GE	C	1	0	Functional Group Trailer
0000	13	IEA	M	1	0	Interchange Control Trailer

Counter = Counter of segment/group within the standard
 No = Consecutive segment number
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Segments

Counter	No	Tag	St	MaxOcc	Level	Name
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	
ISA 06	I06	Interchange Sender ID	M AN 15/15	
ISA 07	I05	Interchange ID Qualifier	M ID 2/2	08 UCC EDI Communications ID (Comm ID)
ISA 08	I07	Interchange Receiver ID	M AN 15/15	6120930010 Production, 6120930011 Test
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 N0 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
ISA 16	I15	Component Element Separator	M AN 1/1	T Test Data

Remark:

Example:

ISA*00* *00* *01*XXXXXXXXXXXXXXXX*08*6120930010*120405*1724*U*00400*99999
9999*0*P*:

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Counter	No	Tag	St	MaxOcc	Level	Name
0000	2	GS	C	1	0	Functional Group Header

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
GS01	479	Functional Identifier Code	M ID 2/2	IB Inventory Inquiry/Advice (846)
GS02	142	Application Sender's Code	M AN 2/15	
GS03	124	Application Receiver's Code	M AN 10/10	
GS04	373	Date	M DT 8/8	
GS05	337	Time	M TM 4/8	
GS06	28	Group Control Number	M N0 1/9	
GS07	455	Responsible Agency Code	M ID 1/1	X Accredited Standards Committee X12
GS08	480	Version / Release / Industry Identifier Code	M AN 6/6	004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Remark:**Example:**

GS*IB*XX*6120930010*20190807*1724*1*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
ST 01	143	Transaction Set Identifier Code	M ID 3/3	846 Inventory Inquiry/Advice
ST 02	329	Transaction Set Control Number	M AN 4/9	

Remark:**Example:**

ST*846*XXXX~

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Counter	No	Tag	St	MaxOcc	Level	Name
0020	4	BIA	M	1	0	Beginning Segment for Inventory Inquiry/Advice

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
BIA 01	353	Transaction Set Purpose Code	M ID 2/2	00 Original 05 Replace 04 Change When you send a REPLACE status it is going to replace the original that you had sent earlier in the day. When you send a CHANGE it should represent an incremental change from the original.
BIA 02	755	Report Type Code	M ID 2/2	SI Seller Inventory Report
BIA 03	127	Reference Identification	M AN 1/30	The 846 unique reference number assigned by the vendor.
BIA 04	373	Date	M DT 8/8	Date extract was generated.
BIA 05	337	Time	M TM 4/8	Time extract was generated.

Remark:

At minimum TSC expects the 846 once a day. Please plan the extract accordingly. Thank you.

Example:

BIA*00*SI*X*20190413*1515~

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Counter	No	Tag	St	MaxOcc	Level	Name
0060	5	REF	M	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	M AN 6/6	TSC's 6-digit vendor number
REF 03	352	Description	M AN 1/80	

Remark:**Example:**

REF*IA*800000*Name of Vendor~

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Counter	No	Tag	St	MaxOcc	Level	Name
0010	LIN	M	10000	1		LIN-PID-QTY
0010	6	LIN	M	1	1	Item Identification

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
LIN 01	350	Assigned Identification	O AN 1/20	
LIN 02	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)
LIN 03	234	Product/Service ID	M N0 12/13	UPC is a min 12 / max 13 no extra characters such as spaces or anything else. Just the UPC or the transaction will fail.
LIN 04	235	Product/Service ID Qualifier	C ID 2/2	VN Vendor's (Seller's) Item Number
LIN 05	234	Product/Service ID	C AN 1/48	
LIN 06	235	Product/Service ID Qualifier	C ID 2/2	IN Buyer's Item Number
LIN 07	234	Product/Service ID	C N0 7/7	The TSC SKU is exactly 7 digits. This is a numeric field. Do not send spaces, alpha or any other characters except the 7 digit TSC SKU.
LIN 08	235	Product/Service ID Qualifier	C ID 2/2	CH Country of Origin Code
LIN 09	234	Product/Service ID	C AN 3/3	http://en.wikipedia.org/wiki/ISO_3166-1_alpha-3

Remark:**Example:**

LIN*1*UP*012345678912*VN*VNUM001*IN*1234567*CH*US~

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Counter	No	Tag	St	MaxOcc	Level	Name
0010	LIN	M	10000	1		LIN-PID-QTY
0030	7	PID	M	200	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	M AN 1/80	

Remark:**Example:**

PID*F****PRODUCT DESCRIPTION~

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Counter	No	Tag	St	MaxOcc	Level	Name
0320	QTY	M	99	2		QTY-SCH
0320	8	QTY	M	1	2	QTY Available

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
QTY01	673	Quantity Qualifier	M ID 2/2	33 Quantity Available for Sale (stock quantity)
QTY02	380	Quantity	C R 1/15	Not used by TSC. The quantity available should be reported in the SCH segment with today's date.
	C001	Composite Unit of Measure	O	
QTY03	355	Unit or Basis for Measurement Code	M ID 2/2	EA Each

Remark:**Example:**

QTY*33*9*EA~

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Counter	No	Tag	St	MaxOcc	Level	Name
0360	SCH	M	25	3	SCH	
0360	9	SCH	M	1	3	Line Item Schedule

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
SCH 01	380	Quantity	M R 1/15	
SCH 02	355	Unit or Basis for Measurement Code	M ID 2/2	EA Each
SCH 05	374	Date/Time Qualifier	M ID 3/3	018 Available
SCH 06	373	Date	M DT 8/8	

Remark:**Example:**

SCH*9*EA***018*20190405~

No = Consecutive segment number
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Counter	No	Tag	St	MaxOcc	Level	Name
0010	10	CTT	O	1	0	Transaction Totals

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
CTT01	354	Number of Line Items	M N0 1/6	

Remark:

Example:

CTT*9~

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Counter	No	Tag	St	MaxOcc	Level	Name
0020	11	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*65*XXXX~

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Counter	No	Tag	St	MaxOcc	Level	Name
0000 12	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*1~

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Counter	No	Tag	St	MaxOcc	Level	Name
0000	13	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	

Remark:**Example:**

IEA*1*999999999~

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TSC DTC Change Log – 846

01/02/2013

- LIN06, Added qualifier EN to support 13 digit item numbers

02/14/2013

- QTY03, Added qualifier EA

05/14/2013

- Added following remark to BIA segment - TSC processes the 846 inventory feed twice a day, 5:45am and 9:45pm CT. Please plan the extract accordingly. Thank you.

06/21/2013

- LIN02 changed to UP or EN
- LIN06 changed to IN

10/20/2014

- Clarified the QTY versus the SCH segments. TSC does not map the quantity in the QTY segment. We utilize the quantity in the SCH segment.

07/26/2019

- Updated EDI IDs

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Sample 846 file:

ISA*00* *00* *12*1234567890 *14*6120930010 *190726*0808*U*00401*000000262*0*P*>~
 GS*IB*1234567890*6120930010*20190726*0808*262*X*004010~
 ST*846*262001~
 BIA*00*SI*000000001*20190726*080016~
 REF*IA*800000*VENDOR NAME GOES HERE~
 LIN**UP*123456789010*VN*001*IN*1097421*CH*CHN~
 PID*F*****PRODUCTION MANT~
 QTY*33*21*EA~
 SCH*21*EA***018*20190726~
 LIN*010*UP*123456789011*VN*002*IN*1096474*CH* CHN ~
 PID*F*****SITE HEATER~
 QTY*33*448*EA~
 SCH*448*EA***018*20190726~
 LIN*020*UP*123456789012*VN*003*IN*1097420*CH*CHN~
 PID*F*****CUBE STOVE CFS-300-BLK~
 QTY*33*748*EA~
 SCH*748*EA***018*20190726~
 LIN*030*UP*123456789013*VN*004*IN*1097422*CH*CHN~
 PID*F*****240V UTILITY HEATER~
 QTY*33*483*EA~
 SCH*483*EA***018*20190726~
 LIN*040*UP*123456789014*VN*005*IN*1061116*CH*CHN~
 PID*F*****OIL-FILLED SPACE HEA~
 QTY*33*164*EA~
 SCH*164*EA***018*20190726~
 LIN*050*UP*123456789015*VN*006*IN*1061123*CH*CHN~
 PID*F*****PARABOLIC HEATER (1)~
 QTY*33*600*EA~
 SCH*600*EA***018*20190726~
 LIN*060*UP*123456789016*VN*007*IN*1096475*CH*CHN~
 PID*F*****DESKTOP HEATER 6/CA~
 QTY*33*111*EA~
 SCH*111*EA***018*20190726~
 LIN*070*UP*123456789017*VN*008*IN*1096476*CH*CHN~
 PID*F*****4/CASE~
 QTY*33*79*EA~
 SCH*79*EA***018*20190726~
 LIN*080*UP*123456789018*VN*009*IN*1096479*CH*CHN~
 PID*F*****LOG SET~
 QTY*33*276*EA~
 SCH*276*EA***018*20190726~
 LIN*090*UP*123456789019*VN*010*IN*1030857*CH*CHN~
 PID*F*****SPACE HEATER~
 QTY*33*52*EA~
 SCH*52*EA***018*20190726~
 CTT*10~
 SE*45*262001~
 GE*1*262~
 IEA*1*000000262~

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