Message Implementation Guideline

DTC 4010 846 EDI GUIDELINE

based on

846
Inventory Inquiry/Advice

X12 004010

Version: 1.3
Variant: 8
Issue date: 10/5/2023
Author: TSC

1 Message Structure 3
3 Segments 4

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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 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.

Generated by GEFEG.FX

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	Quantity
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
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)

Structure / Table of Contents

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	**00 No Authorization Information Present (No Meaningful Information in I02)**
ISA 02	I02	Authorization Information	M	AN 10/10	
ISA 03	I03	Security Information Qualifier	M	ID 2/2	**00 No Security Information Present (No Meaningful Information in I04)**
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	6120930011 Test 6120930010 Production
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 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 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	**T Test Data** **P Production Data**
ISA 16	I15	Component Element Separator	M	AN 1/1	

Remark:

Example:

```
ISA*00*          *00*          *01*XXXXXXXXXXXXXXX*08*6120930011     *170602*1525*U*00401*999999999*0*
T*>~
```

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

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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
GS 01	479	Functional Identifier Code	M	ID 2/2	**IB Inventory Inquiry/Advice (846)**
GS 02	142	Application Sender's Code	M	AN 2/15	
GS 03	124	Application Receiver's Code	M	AN 2/15	6120930011 Test 6120930010 Production
GS 04	373	Date	M	DT 8/8	
GS 05	337	Time	M	TM 4/4	
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*IB*XX*6120930011*20170602*1525*1*X*004010~
```

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)

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~
```

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)

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** **04 Change** **05 Replace** 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 (same as the transmission current date).
BIA 05	337	Time	M	TM 4/8	Time extract was generated.

Remark:
At minimum, TSC expects the 846 once a day, Monday thru Friday. Please plan the extract accordingly.

Example:
```
BIA*00*SI*X*20170602*1525~
```

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)

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	Name of Vendor

Remark:

Example:

```
REF*IA*800000*Name of Vendor~
```

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)

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	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	AN 7/7	The TSU SKU is always 7 digits. This is a numeric field, do not use spaces, alpha or any special characters.
LIN 08	235	Product/Service ID Qualifier	C	ID 2/2	**CH Country of Origin Code**
LIN 09	234	Product/Service ID	C	AN 1/48	http://en.wikipedia.org/wiki/ISO_3166-1_alpha-3

Remark:

Example:

```
LIN*1*UP*012345678912*VN*VNUM01*IN*1235467*CH*US~
```

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)

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	Product Description

Remark:

Example:

```
PID*F****Product Description~
```

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)

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

Standard			Implementation		
Ref.	Tag	Name	St	Format	Usage / Remark
QTY 01	673	Quantity Qualifier	M	ID 2/2	**33 Quantity Available for Sale (stock quantity)**
QTY 02	380	Quantity	C	R 1/15	QTY02 should match values shown in SCH01
	C001	Composite Unit of Measure	O		
QTY 03	355	Unit or Basis for Measurement Code	M	ID 2/2	**EA Each**

Remark:

Example:

```
QTY*33*9*EA~
```

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)

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	SCH01 should match values shown in QTY02
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*20170602~
```

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)

Counter	No	Tag	St	MaxOcc	Level	Name
0010	10	**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*9~
```

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)

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	Must match the ST02 Value

Remark:

Example:

```
SE*65*XXXX~
```

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)

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	Must match the GS06 Value

Remark:

Example:

```
GE*1*1~
```

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)

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	Must match the ISA13 Value

Remark:

Example:

```
IEA*1*999999999~
```

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 DSV 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.

7/26/2019

- Updated EDI ID's

10/5/2023

- Clarified the QTY and the SCH segments.
- GS05 changed from TM 4/6 to TM 4/4

Sample 846 file:

ISA*00* *00* *12*1234567890 *08*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~

No = Consecutive segment number
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