



Message Implementation Guideline

STORE/DC 4010 852 EDI GUIDELINE

based on

852

Product Activity Data

X12 004010

Version: 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	edicoordinator@tractorsupply.com	EDI related Questions
DropShipMC	dropshipmc@tractorsupply.com	Packing Slip, Label or Order Issues
Accounts Payable	vpi@tractorsupply.com	Payment Status Assistance
Vendor Compliance	tsccompliance@tractorsupply.com	Compliance, Disputes, Chargebacks Etc
AP Portal	apex@ap.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: 6120930015
ISA15: T

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

852 AS2 Only – Once approved for 852, TSC will provide AS2 setup information

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	M	1	0	Functional Group Header
0010	3	ST	M	1	0	Transaction Set Header
0020	4	XQ	M	1	0	Reporting Date/Action
0040	5	N9	M	>1	1	Reference Identification
0010		LIN	O	999999	1	LIN-ZA
0010	6	LIN	M	1	1	Item Identification
0080		ZA	M	>1	2	ZA-SDQ
0080	7	ZA	M	1	2	Product Activity Reporting
0110	8	SDQ	O	>1	3	Destination Quantity
0010	9	CTT	M	1	0	Transaction Totals
0020	10	SE	M	1	0	Transaction Set Trailer
0000	11	GE	M	1	0	Functional Group Trailer
0000	12	IEA	M	1	0	Interchange Control Trailer

Counter = Counter of segment/group within the standard
 No = Consecutive segment number
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St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
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Segments

Counter	No	Tag	St	MaxOcc	Level	Name
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0000	1	ISA	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	00 No Authorization Information Present (No Meaningful Information in I02)
ISA 02	I02	Authorization Information	M AN 10/10	Ten Blanks
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	Ten Blanks
ISA 05	I05	Interchange ID Qualifier	M ID 2/2	08 UCC EDI Communications ID (Comm ID)
ISA 06	I06	Interchange Sender ID	M AN 15/15	Production 6120930014 Test 6120930015
ISA 07	I05	Interchange ID Qualifier	M ID 2/2	
ISA 08	I07	Interchange Receiver ID	M AN 15/15	
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	U U.S. EDI Community of ASC X12, TDCC, and UCS
ISA 12	I11	Interchange Control Version Number	M ID 5/5	00401 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	The interchange control number will be incremented up by 1 for each sent transmission.
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	HEX "6E" (>)

Remark:

Example:

```
ISA*00*          *00*          *08*6120930014    *01*XXXXXXXXXXXXX*171004*0742*U*00401*000000001*0*
T*>
```

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Counter	No	Tag	St	MaxOcc	Level	Name
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0000 2 **GS** 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	PD Product Activity Data (852)
GS 02	142	Application Sender's Code	M AN 10/10	Production 6120930014 Test 6120930015
GS 03	124	Application Receiver's Code	M AN 2/15	
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 N0 1/9	The group control number will be incremented up by 1 for each sent transmission.
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*PD*6120930014*XXXXXXXXXXXXXXXXXX*20171004*0742*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
ST01	143	Transaction Set Identifier Code	M ID 3/3	852 Product Activity Data
ST02	329	Transaction Set Control Number	M AN 4/9	

Remark:**Example:**

ST*852*XXXX~

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Counter	No	Tag	St	MaxOcc	Level	Name
0020	4	XQ	M	1	0	Reporting Date/Action

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
XQ 01	305	Transaction Handling Code	M ID 1/2	F Plan and Submit Suggested Purchase Order(s) G Plan Order(s) and Ship Product H Notification Only
XQ 02	373	Date	M DT 8/8	Report Start Date - CCYYMMDD
XQ 03	373	Date	M DT 8/8	Report End Date - CCYYMMDD

Remark:**Example:**

XQ*H*20171004*20171004~

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Counter	No	Tag	St	MaxOcc	Level	Name
0040	5	N9	M	>1	1	Reference Identification

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
N9 01	128	Reference Identification Qualifier	M ID 2/3	IA Internal Vendor Number
N9 02	127	Reference Identification	M AN 6/6	TSC assigned 6-digit vendor number

Remark:**Example:**

N9*IA*XXXXXX~

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Counter	No	Tag	St	MaxOcc	Level	Name
0010		LIN	O	999999	1	LIN-ZA
0010	6	LIN	M	1	1	Item Identification

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
LIN 01	350	Assigned Identification	M AN 1/20	
LIN 02	235	Product/Service ID Qualifier	M ID 2/2	IN Buyer's Item Number
LIN 03	234	Product/Service ID	M AN 7/7	TSC's 7-digit SKU
LIN 04	235	Product/Service ID Qualifier	M ID 2/2	VN Vendor's (Seller's) Item Number
LIN 05	234	Product/Service ID	M AN 1/48	
LIN 06	235	Product/Service ID Qualifier	M ID 2/2	UP U.P.C. Consumer Package Code (1-5-5-1)
LIN 07	234	Product/Service ID	M AN 12/13	UPC Code

Remark:**Example:**

LIN*240*IN*1234567*VN*1234*UP*123456789874~

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Counter	No	Tag	St	MaxOcc	Level	Name
0080		ZA	M	>1	2	ZA-SDQ
0080	7	ZA	M	1	2	Product Activity Reporting

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
ZA 01	859	Activity Code	M ID 2/2	QA Current Inventory Quantity Available for Shipment or Sale QP Quantity On Order, Not Yet Received QS Quantity Sold
ZA 04	374	Date/Time Qualifier	C ID 3/3	007 Effective
ZA 05	373	Date	C DT 8/8	CCYYMMDD

Remark:**Example:**

ZA*QA***007*20171004~

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Counter	No	Tag	St	MaxOcc	Level	Name
0080		ZA	M	>1	2	ZA-SDQ
0110	8	SDQ	O	>1	3	Destination Quantity

Standard			Implementation	
Ref.	Tag	Name	St Format	Usage / Remark
SDQ 01	355	Unit or Basis for Measurement Code	M ID 2/2	EA Each
SDQ 02	66	Identification Code Qualifier	M ID 2/2	92 Assigned by Buyer or Buyer's Agent
SDQ 03	67	Identification Code	M AN 4/4	TSC Store/DC Number
SDQ 04	380	Quantity	M R 1/15	Quantity
SDQ 05	67	Identification Code	C AN 4/4	TSC Store/DC Number
SDQ 06	380	Quantity	C R 1/15	Quantity
SDQ 07	67	Identification Code	C AN 4/4	TSC Store/DC Number
SDQ 08	380	Quantity	C R 1/15	Quantity
SDQ 09	67	Identification Code	C AN 4/4	TSC Store/DC Number
SDQ 10	380	Quantity	C R 1/15	Quantity
SDQ 11	67	Identification Code	C AN 4/4	TSC Store/DC Number
SDQ 12	380	Quantity	C R 1/15	Quantity
SDQ 13	67	Identification Code	C AN 4/4	TSC Store/DC Number
SDQ 14	380	Quantity	C R 1/15	Quantity
SDQ 15	67	Identification Code	C AN 4/4	TSC Store/DC Number
SDQ 16	380	Quantity	C R 1/15	Quantity
SDQ 17	67	Identification Code	C AN 4/4	TSC Store/DC Number
SDQ 18	380	Quantity	C R 1/15	Quantity
SDQ 19	67	Identification Code	C AN 4/4	TSC Store/DC Number
SDQ 20	380	Quantity	C R 1/15	Quantity
SDQ 21	67	Identification Code	C AN 4/4	TSC Store/DC Number
SDQ 22	380	Quantity	C R 1/15	Quantity

Remark:**Example:**

SDQ*EA*92*0112*9*0113*9*0114*9*0115*9*0116*9*1001*9*1002*9*1003*9*1004*9*1005*9~

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Counter	No	Tag	St	MaxOcc	Level	Name
0010	9	CTT	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	The number of LIN segments in the transaction set

Remark:

Example:

CTT*9~

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 MaxOcc = Maximum occurrence of the segment/group
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Counter	No	Tag	St	MaxOcc	Level	Name
0020	10	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 ST02 value

Remark:**Example:**

SE*8*XXXX~

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Counter	No	Tag	St	MaxOcc	Level	Name
0000	11	GE	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 envelope
GE 02	28	Group Control Number	M N0 1/9	Must match GS06 value

Remark:**Example:**

GE*1*1~

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Counter	No	Tag	St	MaxOcc	Level	Name
0000	12	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	Number of GS Envelops within ISA envelope
IEA 02	I12	Interchange Control Number	M N0 9/9	Must match ISA13 value

Remark:**Example:**

IEA*1*000000001~

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TSC Store/DC Change Log – 852 Product Activity Data

Example Data

```

ISA*00*          *00*          *08*6120930015   *01*1234567890
*171002*1800*U*00401*000001101*0*T*> ~
GS*PD*6120930015*1234567890*20171002*1800*1101*X*004010~
ST*852*11010002~
XQ*H*20170930*20170930~
N9*IA*500001~
LIN*10*IN*1024123*VN*1234*UP*076344081234~
ZA*QS~
SDQ*EA*92*1835*2*1959*1~
LIN*20*IN*1131234*VN*1235*UP*076344101236~
ZA*QS~
SDQ*EA*92*1117*1*1216*1*1353*2*1521*1*1661*1*1835*2*1923*1*2074*1*2212*2~
LIN*30*IN*1026518*VN*1064*UP*076344165458~
ZA*QS~
SDQ*EA*92*1117*1*1521*1*1886*1*1923*1*2212*1*0505*1~
LIN*40*IN*1136541*VN*1597*UP*07634415470~
ZA*QS~
SDQ*EA*92*1117*1*1216*2*1263*1*1835*1*0207*1*2241*1*0360*1~
LIN*50*IN*1236512*VN*89151*UP*076344561512~
ZA*QS~
SDQ*EA*92*0505*1~
LIN*60*IN*1489543*VN*89077*UP*076344890775~
ZA*QS~
SDQ*EA*92*1923*2*1944*1~
LIN*70*IN*106514*VN*1231*UP*076344089353~
ZA*QS~
SDQ*EA*92*1835*2~
LIN*80*IN*168522*VN*1248*UP*076344089322~
ZA*QS~
SDQ*EA*92*1835*2~
LIN*90*IN*115256*VN*8832*UP*076344088394~
ZA*QS~
SDQ*EA*92*1924*1~
CTT*9~
SE*32*11010002~
GE*1*1101~
IEA*1*000001101~

```

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