Message Implementation Guideline

4010 820 EDI GUIDELINE

based on

820
Payment Order/Remittance Advice

X12 004010

Version: 4010
Variant: 1.1
Issue date: 9/5/2023
Author: TSC

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 DTC: 6120930011
Test EDI ID SDC: 6120930015
ISA15: T

Production EDI Qualifier: 08
Production EDI ID DTC: 6120930010
Production EDI ID SDC: 6120930014
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.

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	**BPR**	M	1	0	Beginning Segment for Payment Order/Remittance Advice
0050	5	**REF**	M	>1	1	Reference Identification
0070		**N1**	O	>1	1	N1
0070	6	**N1**	M	1	1	Name
0010		**ENT**	O	>1	1	ENT-RMR
0010	7	**ENT**	M	1	1	Entity
0150		**RMR**	O	>1	2	RMR-REF-DTM
0150	8	**RMR**	M	1	2	Remittance Advice Accounts Receivable Open Item Reference
0170	9	**REF**	O	>1	3	Reference Identification
0180	10	**DTM**	O	>1	3	Date/Time Reference
0010	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

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)

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0000	1	**ISA**	M	1	0	**Interchange Control Header**

Standard			Implementation	
Ref.	Id	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	**08 UCC EDI Communications ID (Comm ID)**
ISA 06	I06	Interchange Sender ID	M AN 15/15	
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	
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	**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	
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	

Remark:

Example:

```
ISA*00*          *00*          *08*XXXXXXXXXXXXXXXX*01*XXXXXXXXXXXXXXXX*220801*1755*U*00401*99999999
9*0*P*>
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
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Generated by GEFEG.FX

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

Standard			Implementation	
Ref.	Id	Name	St Format	Usage / Remark
GS 01	479	Functional Identifier Code	M ID 2/2	**RA Payment Order/Remittance Advice (820)**
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*RA*XX*XX*20220801*1755*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.	Id	Name	St Format	Usage / Remark
ST 01	143	Transaction Set Identifier Code	M ID 3/3	**820 Payment Order/Remittance Advice**
ST 02	329	Transaction Set Control Number	M AN 4/9	

Remark:

Example:
```
ST*820*XXXX~
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
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Counter	No	Tag	St	MaxOcc	Level	Name
0020	4	**BPR**	M	1	0	**Beginning Segment for Payment Order/Remittance Advice**

Standard			Implementation	
Ref.	Id	Name	St Format	Usage / Remark
BPR 01	305	Transaction Handling Code	M ID 1/2	**I Remittance Information Only**
BPR 02	782	Monetary Amount	M R 1/18	Payment Amount
BPR 03	478	Credit/Debit Flag Code	M ID 1/1	**D Debit** **C** Credit
BPR 04	591	Payment Method Code	M ID 3/3	**ACH Automated Clearing House (ACH)** **CHK Check**
BPR 16	373	Date	O DT 8/8	Payment Date

Remark:

Example:

```
BPR*I*332134.52*D*ACH************20220815~
```

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Generated by GEFEG.FX

Counter	No	Tag	St	MaxOcc	Level	Name
0050	5	**REF**	M	>1	1	**Reference Identification**

Standard			Implementation	
Ref.	Id	Name	St Format	Usage / Remark
REF 01	128	Reference Identification Qualifier	M ID 2/3	**4N Special Payment Reference Number**
REF 02	127	Reference Identification	C AN 1/30	Payment Number

Remark:

Example:
```
REF*4N*2008666999~
```

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)

Generated by GEFEG.FX

Counter	No	Tag	St	MaxOcc	Level	Name
0070		**N1**	O	>1	1	**N1**
0070	6	**N1**	M	1	1	**Name**

Standard			Implementation	
Ref.	Id	Name	St Format	Usage / Remark
N1 01	98	Entity Identifier Code	M ID 2/3	**PE Payee** **PR Payer**
N1 02	93	Name	C AN 1/60	PR = Tractor Supply Co PE = Vendor Name
N1 03	66	Identification Code Qualifier	C ID 1/2	**ZZ Mutually Defined**
N1 04	67	Identification Code	C AN 2/80	TSC assigned vendor ID

Remark:
N104 is the TSC assigned Vendor ID for the Vendor (PE)

Example:
```
N1*PE*ABC Corp*ZZ*802385~
N1*PR*Tractor Supply Co*ZZ*TSC~
```

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)

Generated by GEFEG.FX

Counter	No	Tag	St	MaxOcc	Level	Name
0010		**ENT**	O	>1	1	**ENT-RMR**
0010	7	**ENT**	M	1	1	**Entity**

Standard			Implementation	
Ref.	Id	Name	St Format	Usage / Remark
ENT 01	554	Assigned Number	O N0 1/6	

Remark:

Example:
```
ENT*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
0150		**RMR**	O	>1	2	**RMR-REF-DTM**
0150	8	**RMR**	M	1	2	**Remittance Advice Accounts Receivable Open Item Reference**

Standard			Implementation	
Ref.	Id	Name	St Format	Usage / Remark
RMR 01	128	Reference Identification Qualifier	C ID 2/3	**IV Seller's Invoice Number** **CM Buyer's Credit Memo** **DB Buyer's Debit Memo**
RMR 02	127	Reference Identification	C AN 1/30	Invoice Number or Credeit / Debit Memo Number
RMR 04	782	Monetary Amount	M R 1/18	Net Invoice Amount / Deductions

Remark:

Example:

```
RMR*IV*5139799668**51545.56~
RMR*CM*5139232323**72.70-~
RMR*DB*5139232323**5.99-~
```

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)

Generated by GEFEG.FX

Counter	No	Tag	St	MaxOcc	Level	Name
0150		**RMR**	O	>1	2	**RMR-REF-DTM**
0170	9	**REF**	O	>1	3	**Reference Identification**

Standard			Implementation	
Ref.	Id	Name	St Format	Usage / Remark
REF 01	128	Reference Identification Qualifier	M ID 2/3	**PO Purchase Order Number** **VV Voucher Number**
REF02	127	Reference Identification	C AN 1/30	PO number and Voucher Number

Remark:

Example:

```
REF*PO*1032494549~
REF*VV*285694~
```

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)

Generated by GEFEG.FX

Counter	No	Tag	St	MaxOcc	Level	Name
0150		**RMR**	O	>1	2	**RMR-REF-DTM**
0180	10	**DTM**	O	>1	3	**Date/Time Reference**

Standard			Implementation		
Ref.	Id	Name	St	Format	Usage / Remark
DTM 01	374	Date/Time Qualifier	M	ID 3/3	**999 Document Date**
DTM 02	373	Date	C	DT 8/8	Invoice Date or Deductions Date

Remark:

Example:
```
DTM*999*20220726~
```

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	11	**SE**	M	1	0	**Transaction Set Trailer**

Standard			Implementation	
Ref.	Id	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*105*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)

Generated by GEFEG.FX

Counter	No	Tag	St	MaxOcc	Level	Name
0000	12	**GE**	C	1	0	**Functional Group Trailer**

Standard			Implementation	
Ref.	Id	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~
```

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.	Id	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~
```

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)

Generated by GEFEG.FX

Change Log

1. 8/15 – Created new EDI 820
2. 10/17 – Update to include deductions

Sample Data

```
ISA*00*          *00*          *08*6120930014      *01*00000000       *230830*1546*U*00401*000076922*0*P*>~
GS*RA*6120930014*004303467*20230830*1546*382*X*004010~
ST*820*0001~
BPR*I*80035.72*D*ACH************20230830~
REF*4N*2008404815~
N1*PR*Tractor Supply Co*ZZ*TSC~
N1*PE*TRADING PARTNER*ZZ*500000~
ENT*1~
RMR*CM*0235992731**-652.72~
REF*VV*514823240~
DTM*999*20230730~
ENT*2~
RMR*IV*0235992731**92393.69~
REF*VV*514823240~
REF*PO*1034516858~
DTM*999*20230730~
ENT*3~
RMR*DB*1702851536**-3135.09~
REF*VV*0002004092~
DTM*999*20230826~
ENT*4~
RMR*DB*1702871414**-2046.50~
REF*VV*0002007014~
DTM*999*20230826~
ENT*5~
RMR*DB*1702875281**-3094.82~
REF*VV*0002009787~
DTM*999*20230826~
ENT*6~
RMR*DB*5143789796**-2845.81~
REF*VV*Q2_23_NSD_88278~
DTM*999*20230822~
ENT*7~
RMR*DB*5143855661**-145.76~
REF*VV*502088 0723 FAST~
DTM*999*20230824~
ENT*8~
RMR*DB*5143914284**-437.27~
REF*VV*502088 0723 VSF~
DTM*999*20230824~
SE*39*0001~
GE*1*382~
IEA*1*000076922~
```