



**General
Mills**

**Making Food
People Love**

810 Invoice

X12/V5010/810 : 810 Invoice

Company:

General Mills

Modified:

1/11/2018

Notes:

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810 Invoice

Functional Group=IN

Purpose: This X12 Transaction Set contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	ST	Transaction Set Header	M	1			Must use
0200	BIG	Beginning Segment for Invoice	M	1			Must use
0300	NTE	Note/Special Instruction	O	100			Used
0400	CUR	Currency	O	1			Used
0500	REF	Reference Information	O	12			Used

LOOP ID - N1

200

0700	N1	Party Identification	O	1			Used
0900	N3	Party Location	O	2			Used
1000	N4	Geographic Location	O	1			Used
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
1400	DTM	Date/Time Reference	O	10			Used
1500	FOB	F.O.B. Related Instructions	O	1			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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LOOP ID - IT1

200000

0100	IT1	Baseline Item Data (Invoice)	O	1			Used
0400	TXI	Tax Information	O	>1			Used

LOOP ID - PID

1000

0600	PID	Product/Item Description	O	1			Used
1000	PO4	Item Physical Details	O	1			Used

LOOP ID - SAC

>1

1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
------	-----	--	---	---	--	--	------

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	TDS	Total Monetary Value Summary	M	1			Must use
0200	TXI	Tax Information	O	>1			Used
0300	CAD	Carrier Details	O	1			Used

LOOP ID - SAC

>1

0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
------	-----	--	---	---	--	--	------

LOOP ID - ISS

>1

0600	ISS	Invoice Shipment Summary	O	1			Used
0700	CTT	Transaction Totals	O	1		N3/0700	Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0800	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

3/0700 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used CTT02 is the hash total of the quantities invoiced (IT102) for each IT1 segment.

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use
Description: Code identifying the type of information in the Authorization Information						
CodeList Summary (Total Codes: 7, Included: 1)						
Code Name						
00 No Authorization Information Present (No Meaningful Information in I02)						
ISA02	I02	Authorization Information	M	AN	10/10	Must use
Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)						
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
Description: Code identifying the type of information in the Security Information						
CodeList Summary (Total Codes: 2, Included: 1)						
Code Name						
00 No Security Information Present (No Meaningful Information in I04)						
ISA04	I04	Security Information	M	AN	10/10	Must use
Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)						
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified						
All valid standard codes are used. (Total Codes: 41)						
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element						
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified						
All valid standard codes are used. (Total Codes: 41)						
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them						
ISA09	I08	Interchange Date	M	DT	6/6	Must use
Description: Date of the interchange						
ISA10	I09	Interchange Time	M	TM	4/4	Must use
Description: Time of the interchange						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA11	I65	Repetition Separator	M		1/1	Must use
Description: Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator						
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
Description: Code specifying the version number of the interchange control segments						
CodeList Summary (Total Codes: 20, Included: 1)						
<u>Code</u> <u>Name</u>						
00501 Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003						
ISA13	I12	Interchange Control Number	M	N0	9/9	Must use
Description: A control number assigned by the interchange sender						
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
Description: Code indicating sender's request for an interchange acknowledgment						
All valid standard codes are used. (Total Codes: 2)						
ISA15	I14	Interchange Usage Indicator	M	ID	1/1	Must use
Description: Code indicating whether data enclosed by this interchange envelope is test, production or information						
CodeList Summary (Total Codes: 3, Included: 1)						
<u>Code</u> <u>Name</u>						
P Production Data						
ISA16	I15	Component Element Separator	M		1/1	Must use
Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator						

GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

Purpose: To indicate the beginning of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use
Description: Code identifying a group of application related transaction sets						
CodeList Summary (Total Codes: 260, Included: 1)						
<u>Code</u> <u>Name</u>						
IN Invoice Information (810)						
GS02	142	Application Sender's Code	M	AN	2/15	Must use
Description: Code identifying party sending transmission; codes agreed to by trading partners						
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
Description: Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
GS05	337	Time	M	TM	4/8	Must use
Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)						
GS06	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
CodeList Summary (Total Codes: 2, Included: 1)						
<u>Code</u> <u>Name</u>						
X Accredited Standards Committee X12						
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed						
CodeList Summary (Total Codes: 54, Included: 1)						
<u>Code</u> <u>Name</u>						
005010 Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003						

Semantics:

- GS04 is the group date.

2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use
Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use				
Description: Code uniquely identifying a Transaction Set										
CodeList Summary (Total Codes: 318, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>810</td><td>Invoice</td></tr></table>							<u>Code</u>	<u>Name</u>	810	Invoice
<u>Code</u>	<u>Name</u>									
810	Invoice									
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use				
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set										

Semantics:

- 1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
- 2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

BIG Beginning Segment for Invoice

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 7

User Option (Usage): Must use

Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
BIG02	76	Invoice Number	M	AN	1/22	Must use
		Description: Identifying number assigned by issuer				
BIG03	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
BIG04	324	Purchase Order Number	O	AN	1/22	Used
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
BIG05	328	Release Number	O	AN	1/30	Used
		Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction				
		General Mills Note: <i>Only used for military invoices.</i>				
BIG07	640	Transaction Type Code	O	ID	2/2	Used
		Description: Code specifying the type of transaction				
		CodeList Summary (Total Codes: 534, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		DI	Debit Invoice			
		DR	Debit Memo			
BIG08	353	Transaction Set Purpose Code	O	ID	2/2	Used
		Description: Code identifying purpose of transaction set				
		CodeList Summary (Total Codes: 66, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		00	Original			

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.
3. BIG10 is the consolidated invoice number associated with the invoice identified in BIG02. When BIG07 contains code CI (Consolidated Invoice), BIG02 will contain the consolidated invoice number and BIG10 is not used.

Comments:

1. BIG07 is used only to further define the type of invoice when needed.

NTE Note/Special Instruction

Pos: 0300	Max: 100
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
NTE01	363	Note Reference Code	O	ID	3/3	Used						
Description: Code identifying the functional area or purpose for which the note applies												
CodeList Summary (Total Codes: 348, Included: 2)												
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>ALL</td><td>All Documents</td></tr><tr><td>INV</td><td>Invoice Instruction</td></tr></table>							<u>Code</u>	<u>Name</u>	ALL	All Documents	INV	Invoice Instruction
<u>Code</u>	<u>Name</u>											
ALL	All Documents											
INV	Invoice Instruction											
NTE02	352	Description	M	AN	1/80	Must use						
Description: A free-form description to clarify the related data elements and their content												

Comments:

1. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processible. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

CUR Currency

Pos: 0400	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use
Description: Code identifying an organizational entity, a physical location, property or an individual						
CodeList Summary (Total Codes: 1500, Included: 1)						
Code Name						
BY Buying Party (Purchaser)						
CUR02	100	Currency Code	M	ID	3/3	Must use
Description: Code (Standard ISO) for country in whose currency the charges are specified						

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

General Mills Note:

CUR segment used for Canada.

REF Reference Information

Pos: 0500	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use						
Description: Code qualifying the Reference Identification												
CodeList Summary (Total Codes: 1731, Included: 2)												
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>BM</td><td>Bill of Lading Number</td></tr><tr><td>VN</td><td>Vendor Order Number</td></tr></table>							<u>Code</u>	<u>Name</u>	BM	Bill of Lading Number	VN	Vendor Order Number
<u>Code</u>	<u>Name</u>											
BM	Bill of Lading Number											
VN	Vendor Order Number											
REF02	127	Reference Identification	X	AN	1/50	Used						
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier												

Syntax Rules:

- 1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

- 1. REF04 contains data relating to the value cited in REF02.

Loop Party Identification

Pos: 0700	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0700	N1	Party Identification	O	1		Used
0900	N3	Party Location	O	2		Used
1000	N4	Geographic Location	O	1		Used

N1 Party Identification

Pos: 0700	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

CodeList Summary (Total Codes: 1501, Included: 5)

Code Name

BT Bill-to-Party
RI Remit To
SF Ship From
ST Ship To
VN Vendor

N102	93	Name	X	AN	1/60	Used
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Description: Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 241, Included: 4)

Code Name

1 D-U-N-S Number, Dun & Bradstreet
9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix
91 Assigned by Seller or Seller's Agent
92 Assigned by Buyer or Buyer's Agent

N104	67	Identification Code	X	AN	2/80	Used
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Description: Code identifying a party or other code

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N3 Party Location

Pos: 0900	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 1000	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	X	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: >1
Heading - Optional	
Loop: N/A	Elements: 9

User Option (Usage): Used

Purpose: To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	Terms Type Code	O	ID	2/2	Used

Description: Code identifying type of payment terms

CodeList Summary (Total Codes: 77, Included: 3)

Code Name

01 Basic
05 Discount Not Applicable
08 Basic Discount Offered

ITD02	333	Terms Basis Date Code	O	ID	1/2	Used
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Description: Code identifying the beginning of the terms period

CodeList Summary (Total Codes: 17, Included: 1)

Code Name

3 Invoice Date

ITD03	338	Terms Discount Percent	O	R	1/6	Used
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Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

ITD04	370	Terms Discount Due Date	X	DT	8/8	Used
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Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD where CC represents the first two digits of the calendar year

ITD05	351	Terms Discount Days Due	X	N0	1/3	Used
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Description: Number of days in the terms discount period by which payment is due if terms discount is earned

ITD06	446	Terms Net Due Date	O	DT	8/8	Used
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Description: Date when total invoice amount becomes due expressed in format CCYYMMDD where CC represents the first two digits of the calendar year

ITD07	386	Terms Net Days	O	N0	1/3	Used
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Description: Number of days until total invoice amount is due (discount not applicable)

ITD08	362	Terms Discount Amount	O	N2	1/10	Used
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Description: Total amount of terms discount

ITD12	352	Description	O	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

DTM Date/Time Reference

Pos: 1400	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage						
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use						
Description: Code specifying type of date or time, or both date and time												
CodeList Summary (Total Codes: 1280, Included: 2)												
<table><tr><th>Code</th><th>Name</th></tr><tr><td>002</td><td>Delivery Requested</td></tr><tr><td>011</td><td>Shipped</td></tr></table>							Code	Name	002	Delivery Requested	011	Shipped
Code	Name											
002	Delivery Requested											
011	Shipped											
DTM02	373	Date	X	DT	8/8	Used						
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year												

Syntax Rules:

- 1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
- 2. C0403 - If DTM04 is present, then DTM03 is required.
- 3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

FOB F.O.B. Related Instructions

Pos: 1500	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

Purpose: To specify transportation instructions relating to shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

CodeList Summary (Total Codes: 31, Included: 2)

Code Name

PB	Customer Pickup/Backhaul
PP	Prepaid (by Seller)

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Loop Baseline Item Data (Invoice)

Pos: 0100	Repeat: 200000
Optional	
Loop: IT1	Elements: N/A

User Option (Usage): Used

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	IT1	Baseline Item Data (Invoice)	O	1		Used
0400	TXI	Tax Information	O	>1		Used
0600		Loop PID	O		1000	Used
1000	PO4	Item Physical Details	O	1		Used
1800		Loop SAC	O		>1	Used

IT1 Baseline Item Data (Invoice)

Pos: 0100	Max: 1
Detail - Optional	
Loop: IT1	Elements: 12

User Option (Usage): Used

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT102	358	Quantity Invoiced	X	R	1/15	Used
		Description: Number of units invoiced (supplier units)				
IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		CodeList Summary (Total Codes: 844, Included: 2)				
		<u>Code</u> <u>Name</u>				
		CA Case				
		PL Pallet/Unit Load				
IT104	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
IT105	639	Basis of Unit Price Code	O	ID	2/2	Used
		Description: Code identifying the type of unit price for an item				
		CodeList Summary (Total Codes: 91, Included: 1)				
		<u>Code</u> <u>Name</u>				
		NT Net				
		Description: Indicates a net unit price				
IT106	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeList Summary (Total Codes: 523, Included: 6)				
		<u>Code</u> <u>Name</u>				
		CB Buyer's Catalog Number				
		IN Buyer's Item Number				
		PI Purchaser's Item Code				
		UA U.P.C./EAN Case Code (2-5-5)				
		UK GTIN 14-digit Data Structure				
		Description: Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)				
		UP UCC - 12				
		Description: Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)				
IT107	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT108	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeList Summary (Total Codes: 523, Included: 6)				

Code Name

CB Buyer's Catalog Number

IN Buyer's Item Number

PI Purchaser's Item Code

UA U.P.C./EAN Case Code (2-5-5)

UK GTIN 14-digit Data Structure

Description: Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)

UP UCC - 12

Description: Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)

IT109	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service

IT110	235	Product/Service ID Qualifier	X	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)**CodeList Summary** (Total Codes: 522, Included: 6)**Code Name**

CB Buyer's Catalog Number

IN Buyer's Item Number

PI Purchaser's Item Code

UA U.P.C./EAN Case Code (2-5-5)

UK GTIN 14-digit Data Structure

Description: Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)

UP UCC - 12

Description: Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)

IT111	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service

IT112	235	Product/Service ID Qualifier	X	ID	2/2	Used
-------	-----	-------------------------------------	---	----	-----	------

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)**CodeList Summary** (Total Codes: 523, Included: 6)**Code Name**

CB Buyer's Catalog Number

IN Buyer's Item Number

PI Purchaser's Item Code

UA U.P.C./EAN Case Code (2-5-5)

UK GTIN 14-digit Data Structure

Description: Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)

UP UCC - 12

Description: Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)

IT113	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service**Syntax Rules:**

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.

2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is required.

Semantics:

1. IT101 is the line item identification.

Comments:

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2. IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

TXI Tax Information

Pos: 0400	Max: >1
Detail - Optional	
Loop: IT1	Elements: 3

User Option (Usage): Used

Purpose: To specify tax information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TXI01	963	Tax Type Code	M	ID	2/2	Must use

Description: Code specifying the type of tax

CodeList Summary (Total Codes: 102, Included: 1)

<u>Code</u>	<u>Name</u>
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GS	Goods and Services Tax
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Description: *Canadian value-added tax*

TXI02	782	Monetary Amount	X	R	1/18	Used
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Description: Monetary amount

TXI03	954	Percentage as Decimal	X	R	1/10	Used
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Description: Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

General Mills Note:

TXI used for Canada.

Loop Product/Item Description

Pos: 0600	Repeat: 1000
Optional	
Loop: PID	Elements: N/A

User Option (Usage): Used
Purpose: To describe a product or process in coded or free-form format

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0600	PID	Product/Item Description	O	1		Used

PID Product/Item Description

Pos: 0600	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

User Option (Usage): Used

Purpose: To describe a product or process in coded or free-form format

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type	M	ID	1/1	Must use

Description: Code indicating the format of a description

CodeList Summary (Total Codes: 3, Included: 1)

<u>Code</u>	<u>Name</u>
F	Free-form

PID05	352	Description	X	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

PO4 Item Physical Details

Pos: 1000	Max: 1
Detail - Optional	
Loop: IT1	Elements: 5

User Option (Usage): Used

Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	Pack	O	N0	1/6	Used
		Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container				
PO402	357	Size	X	R	1/8	Used
		Description: Size of supplier units in pack				
PO403	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		CodeList Summary (Total Codes: 844, Included: 6)				
		<u>Code</u>	<u>Name</u>			
		EA	Each			
		GR	Gram			
		KG	Kilogram			
		LB	Pound			
		ML	Milliliter			
		OZ	Ounce - Av			
PO408	385	Gross Volume per Pack	X	R	1/9	Used
		Description: Numeric value of gross volume per pack				
PO409	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		CodeList Summary (Total Codes: 844, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		CF	Cubic Feet			
		CR	Cubic Meter			

Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the unit of measure of the "Size" identified in the PO402. For example: If the carton contains 24 12-Ounce packages, it would be described as follows:
Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 1800	Repeat: >1
Optional	
Loop: SAC	Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 1800	Max: 1
Detail - Optional	
Loop: SAC	Elements: 11

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

CodeList Summary (Total Codes: 7, Included: 2)

Code Name

A Allowance
C Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
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Description: Code identifying the service, promotion, allowance, or charge

CodeList Summary (Total Codes: 1090, Included: 37)

Code Name

A172 Administrative
A721 Brokerage
A730 Brokerage or Duty
B720 Cooperative Advertising/Merchandising Allowance (Performance)
C350 Distributor Discount/Allowance
D240 Freight
D270 Fuel Surcharge
D350 Goods and Services Credit Allowance

General Mills Note:

D350 used for Canada.

D360 Goods and Services Tax Charge

General Mills Note:

D360 used for Canada.

D500 Handling
D870 Inspection
E340 Less Than Truckload (LTL) Charge
F170 Pallet Exchange Charge
F180 Pallet
F280 Performance Allowance
F340 Pick/Up
F750 Processing Charge
F800 Promotional Allowance
F920 Quantity Surcharge
G740 Service Charge
G830 Shipping and Handling
G930 Slip Sheet Unloading Allowance
H151 Special Services
H300 Stamping
H370 Stenciling Charge

Code Name

H390 Stop-off Charge
H430 Storage
H440 Straightening Charge
H550 Surcharge
H770 Tax - State Tax

General Mills Note:*H770 used for Canada.*

H800 Tax - Value Added Tax (VAT)
H806 Tax Credit

General Mills Note:*H806 used for Canada.*

I170 Trade Discount
I310 Truckload Discount
I390 Unloading
I410 Unsaleable Merchandise Allowance
R060 Packing, Crating, and Handling Charge

SAC05	610	Amount	O	N2	1/15	Used
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Description: Monetary amount

SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	Used
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Description: Code indicating on what basis allowance or charge percent is calculated**CodeList Summary** (Total Codes: 16, Included: 1)**Code Name**

2 Item Net Cost

SAC07	332	Percent, Decimal Format	X	R	1/6	Used
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Description: Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)

SAC08	118	Rate	O	R	1/9	Used
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Description: Rate expressed in the standard monetary denomination for the currency specified

SAC09	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken**CodeList Summary** (Total Codes: 844, Included: 2)**Code Name**

CA Case
DO Dollars, U.S.

SAC10	380	Quantity	X	R	1/15	Used
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Description: Numeric value of quantity

SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
-------	-----	--	---	----	-----	------

Description: Code indicating method of handling for an allowance or charge**CodeList Summary** (Total Codes: 22, Included: 1)**Code Name**

02 Off Invoice

SAC13	127	Reference Identification	X	AN	1/50	Used
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
SAC15	352	Description	X	AN	1/80	Used
Description: A free-form description to clarify the related data elements and their content						

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. C1413 - If SAC14 is present, then SAC13 is required.
7. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

TDS Total Monetary Value Summary

Pos: 0100	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use
Purpose: To specify the total invoice discounts and amounts

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TDS01	610	Amount	M	N2	1/15	Must use
		Description: Monetary amount				
TDS02	610	Amount	O	N2	1/15	Used
		Description: Monetary amount				
TDS03	610	Amount	O	N2	1/15	Used
		Description: Monetary amount				
TDS04	610	Amount	O	N2	1/15	Used
		Description: Monetary amount				

Semantics:

- 1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
- 2. TDS02 indicates the amount upon which the terms discount amount is calculated.
- 3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
- 4. TDS04 indicates the total amount of terms discount.

Comments:

- 1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

TXI Tax Information

Pos: 0200	Max: >1
Summary - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

Purpose: To specify tax information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>										
TXI01	963	Tax Type Code	M	ID	2/2	Must use										
Description: Code specifying the type of tax																
CodeList Summary (Total Codes: 102, Included: 3)																
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>BE</td><td>Harmonized Sales Tax</td></tr><tr><td>GS</td><td>Goods and Services Tax</td></tr><tr><td colspan="2">Description: <i>Canadian value-added tax</i></td></tr><tr><td>ST</td><td>State Sales Tax</td></tr></table>							<u>Code</u>	<u>Name</u>	BE	Harmonized Sales Tax	GS	Goods and Services Tax	Description: <i>Canadian value-added tax</i>		ST	State Sales Tax
<u>Code</u>	<u>Name</u>															
BE	Harmonized Sales Tax															
GS	Goods and Services Tax															
Description: <i>Canadian value-added tax</i>																
ST	State Sales Tax															
TXI02	782	Monetary Amount	X	R	1/18	Used										
Description: Monetary amount																
TXI03	954	Percentage as Decimal	X	R	1/10	Used										
Description: Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)																
TXI08	828	Dollar Basis For Percent	O	R	1/9	Used										
Description: Dollar basis to be used in the percent calculation of the allowance, charge or tax																
TXI09	325	Tax Identification Number	O	AN	1/20	Used										
Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number																

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

General Mills Note:

TXI used for Canada.

CAD Carrier Details

Pos: 0300	Max: 1
Summary - Optional	
Loop: N/A	Elements: 7

User Option (Usage): Used

Purpose: To specify transportation details for the transaction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CAD01	91	Transportation Method/Type Code	M	ID	1/2	Used

Description: Code specifying the method or type of transportation for the shipment

CodeList Summary (Total Codes: 80, Included: 10)

Code Name

H	Customer Pickup
M	Motor (Common Carrier)
O	Containerized Ocean
R	Rail
T	Best Way (Shippers Option)
U	Private Parcel Service
X	Intermodal (Piggyback)
AF	Air Freight
LT	Less Than Trailer Load (LTL)
SB	Shipper Agent

Description: Agent for piggyback code consolidation

CAD02	206	Equipment Initial	O	AN	1/4	Used
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Description: Prefix or alphabetic part of an equipment unit's identifying number

CAD03	207	Equipment Number	O	AN	1/15	Used
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Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

CAD04	140	Standard Carrier Alpha Code	X	ID	2/4	Used
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Description: Standard Carrier Alpha Code

CAD05	387	Routing	X	AN	1/35	Used
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Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

CAD07	128	Reference Identification Qualifier	O	ID	2/3	Used
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Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1731, Included: 1)

Code Name

BM	Bill of Lading Number
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CAD08	127	Reference Identification	X	AN	1/50	Used
-------	-----	--------------------------	---	----	------	------

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0504 - At least one of CAD05 or CAD04 is required.
2. C0708 - If CAD07 is present, then CAD08 is required.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 0400	Repeat: >1
Optional	
Loop: SAC	Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400	Max: 1
Summary - Optional	
Loop: SAC	Elements: 6

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

CodeList Summary (Total Codes: 7, Included: 3)

Code Name

A Allowance
C Charge
N No Allowance or Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
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Description: Code identifying the service, promotion, allowance, or charge

CodeList Summary (Total Codes: 1090, Included: 36)

Code Name

A172 Administrative
A721 Brokerage
A730 Brokerage or Duty
B720 Cooperative Advertising/Merchandising Allowance (Performance)
C350 Distributor Discount/Allowance
D240 Freight
D270 Fuel Surcharge
D350 Goods and Services Credit Allowance

General Mills Note:

D350 used for Canada.

D360 Goods and Services Tax Charge

General Mills Note:

D360 used for Canada.

D500 Handling
D870 Inspection
E340 Less Than Truckload (LTL) Charge
F170 Pallet Exchange Charge
F180 Pallet
F340 Pick/Up
F750 Processing Charge
F800 Promotional Allowance
F920 Quantity Surcharge
G740 Service Charge
G830 Shipping and Handling
G930 Slip Sheet Unloading Allowance
H151 Special Services
H300 Stamping
H370 Stenciling Charge

Code Name

H390 Stop-off Charge
H430 Storage
H440 Straightening Charge
H550 Surcharge
H770 Tax - State Tax

General Mills Note:*H770 used for Canada.*

H800 Tax - Value Added Tax (VAT)
H806 Tax Credit

General Mills Note:*H806 used for Canada.*

I170 Trade Discount
I310 Truckload Discount
I390 Unloading
I410 Unsaleable Merchandise Allowance
R060 Packing, Crating, and Handling Charge

SAC05	610	Amount	O	N2	1/15	Used
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Description: Monetary amount

SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
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Description: Code indicating method of handling for an allowance or charge**CodeList Summary** (Total Codes: 22, Included: 2)**Code Name**

02 Off Invoice
06 Charge to be Paid by Customer

SAC13	127	Reference Identification	X	AN	1/50	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

SAC15	352	Description	X	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content**Syntax Rules:**

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. C1413 - If SAC14 is present, then SAC13 is required.
7. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service,

promotion, allowance, or charge.

7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Loop Invoice Shipment Summary

Pos: 0600	Repeat: >1
Optional	
Loop: ISS	Elements: N/A

User Option (Usage): Used

Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0600	ISS	Invoice Shipment Summary	O	1		Used

ISS Invoice Shipment Summary

Pos: 0600	Max: 1
Summary - Optional	
Loop: ISS	Elements: 6

User Option (Usage): Used

Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISS01	382	Number of Units Shipped	X	R	1/10	Used
Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set						
ISS02	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
CodeList Summary (Total Codes: 845, Included: 2)						
<u>Code</u> <u>Name</u>						
CA Case						
UN Unit						
ISS03	81	Weight	X	R	1/10	Used
Description: Numeric value of weight						
ISS04	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
CodeList Summary (Total Codes: 844, Included: 2)						
<u>Code</u> <u>Name</u>						
GT Gross Kilogram						
Description: Represents kilograms of product and package or container						
LB Pound						
ISS05	183	Volume	X	R	1/8	Used
Description: Value of volumetric measure						
ISS06	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
CodeList Summary (Total Codes: 844, Included: 2)						
<u>Code</u> <u>Name</u>						
CF Cubic Feet						
CR Cubic Meter						

Syntax Rules:

1. R010305 - At least one of ISS01, ISS03 or ISS05 is required.
2. P0102 - If either ISS01 or ISS02 is present, then the other is required.
3. P0304 - If either ISS03 or ISS04 is present, then the other is required.
4. P0506 - If either ISS05 or ISS06 is present, then the other is required.

Semantics:

1. ISS07 is the quantity of third party pallets.

2. ISS08 is the gross weight of third party pallets in pounds.

CTT Transaction Totals

Pos: 0700	Max: 1
Summary - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use
Description: Total number of line items in the transaction set						
CTT02	347	Hash Total	O	R	1/10	Used
Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. 18E2 Fifth occurrence of value being hashed. ----- 1873 Hash Total						

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

Pos: 0800	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	Number of Included Segments	M	N0	1/10	Must use
Description: Total number of segments included in a transaction set including ST and SE segments						
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Comments:

- 1. SE is the last segment of each transaction set.

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use
Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Must use
Description: A count of the number of functional groups included in an interchange						
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
Description: A control number assigned by the interchange sender						