



Functional Group ID=**IN**

Introduction:

This Draft Standard for Trial Use 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.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
M	040	CUR	Currency	M	1		
M	050	REF	Reference Identification SI=Shipper's ID	M	12		
M	050	REF	Reference Identification DC=Dealer's Order#	M	12		
M	050	REF	Reference Identification PD=Prog #	M	12		
M	050	REF	Reference Identification SE=Serial #	M	12		
LOOP ID - N1 BY						200	
M	070	N1	Name	M	1		
M	090	N3	Address Information	M	2		
M	100	N4	Geographic Location	M	1		
LOOP ID - N1 SE						200	
M	070	N1	Name	M	1		
M	090	N3	Address Information	M	2		
M	100	N4	Geographic Location	M	1		
	110	REF	Reference Identification	C	12		
	110	REF	Reference Identification	C	12		
LOOP ID - N1 SF						200	
M	070	N1	Name	M	1		
M	090	N3	Address Information	M	2		
M	100	N4	Geographic Location	M	1		
	110	REF	Reference Identification	C	12		
	110	REF	Reference Identification	C	12		
LOOP ID - N1 ST						200	
M	070	N1	Name	M	1		
M	090	N3	Address Information	M	2		
M	100	N4	Geographic Location	M	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
M	140	DTM	Date/Time Reference	M	10		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - IT1			200000	
M	010	IT1	Baseline Item Data (Invoice)	M	1		
	040	TXI	Tax Information	C	10		
			LOOP ID - SAC			25	
	180	SAC	Service, Promotion, Allowance, or Charge Information	O	1		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	TDS	Total Monetary Value Summary	M	1		
	020	TXI	Tax Information	O	10		
			LOOP ID - SAC			25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
M	070	CTT	Transaction Totals	M	1		n1
M	080	SE	Transaction Set Trailer	M	1		

Version	Segment Element	Reason for Revision:
201809-7	ALL	Harmonize Vendor Direct Ship Program into Volvo-Mack AP specification; allowing same AP specification for both VDSP brands.
201709-6	SAC02	Allowance/Charge codes: <i>Four codes removed</i> —A170=Adjustments, D340=Goods and Services Charge, D360=Goods and Services Tax Charge, D750=Inbound Freight Charges,
201601-5	ALL	Harmonize Mack into Volvo specification, allowing same AP specification for both brands.
201505-4	REF01	Added an additional REF segment for Dealer Invoices, using qualifier of DC representing “Dealer Purchase Order.”
201505-4	REF01	Added an additional REF segment for Dealer Invoices, using qualifier of PD representing “Promotion/Deal Number.”
201312-3	REF01	Two optional REF segments were added to accommodate the possibility of Canadian taxes. The REF segments must be included with the respective qualifier if a Canadian supplier is charging for either: 3S=CANADIAN PROVINCIAL SALES TAX 4O=GOODS & SERVICES/QUEBEC SALESTAX. This is to comply with the Canadian law which requires Canadian suppliers to include their ID’s when charging for either of these taxes.
201312-3	IT103	Unit of Measure: Additional codes added: CN=Can, DR=Drum, KT=Kit, PK=Package, PR=Pair, PT=Pint, QT=Quart
201312-3	IT114 IT115	Added qualifier “RN” for MACK Vendor Direct Ship Only. RN represents Release Number Added Release Number or Requisition Number for MACK Vendor Direct Ship Only
201312-3	REF01 REF02	Two (2) new qualifiers added to account for MACK Vendor Direct Ship Only “DC” represents Dealer Purchase Order “PD” represents Program Number
201312-3	SAC02	Allowance/Charge codes: <i>One code removed</i> —C830 Eleven (11) codes added: A010=Absolute Minimum Charge, A170=Adjustments, C040=Delivery, D240=Freight, D340=Goods and Services Charge, D360=Goods and Services Tax Charge, D540=Hazardous Materials Handling Fee, D750=Inbound Freight Charges, E190=Labor Charges, F155=Packaging, H550=Surcharge, I590=Warranties, R060=Packing, Crating, and Handling Charge
201312-3	TXI01	Two qualifiers added for Canadian tax purposes; GS=Canadian Goods & Services (or Quebec tax) LT=Canadian Provincial Sales tax

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 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).
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 810 Invoice	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Example:

ST*810*000001



Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:
Semantic Notes: 1 BIG01 is the invoice issue date.

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BIG01	373	Date Date expressed as CCYYMMDD The invoice creation date.	M DT 8/8
M	BIG02	76	Invoice Number Identifying number assigned by issuer Unique number for the invoice. It may not be repeated within one year.	M AN 1/22
	BIG07	640	Transaction Type Code Code specifying the type of transaction CI Consolidated Invoice	O ID 2/2

Example:
 BIG*20170613*6292555*****CI



Segment: **CUR** Currency

- Position:** 040
- Loop:**
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction
- Syntax Notes:**
- Semantic Notes:**
- Comments:** 1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M ID 2/3
			II Issuer of Invoice	
M	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M ID 3/3

Example:

CUR*II*USD

Segment: **REF** Reference Identification

Position: 050
Loop:
Level: Heading
Usage: Mandatory
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification SI Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment The SID number should match the number sent in the BSN:02 of the 856 Ship Notice.	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier The SID number should match to the information/data sent in the BSN:02 of the 856 ship notice. (The number is used for matching so it should be the same number used to identify the shipment.)	M AN 1/30

Example:

REF*SI*5286760

Segment: **REF** Reference Identification

- Position:** 050
- Loop:**
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 12
- Purpose:** To specify identifying information
- Syntax Notes:**
 - 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
 - 1 REF04 contains data relating to the value cited in REF02.
- Comments:**

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification DC Dealer purchase order number	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier The SID number should match to the information/data sent in the BSN:02 of the 856 ship notice. (The number is used for matching so it should be the same number used to identify the shipment.)	M AN 1/30

Example:

REF*DC*P0702127MV

Segment: **REF** Reference Identification

- Position:** 050
- Loop:**
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 12
- Purpose:** To specify identifying information
- Syntax Notes:**
 - 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
 - 1 REF04 contains data relating to the value cited in REF02.
- Comments:**

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification PD Promotion/Deal Number	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier The SID number should match to the information/data sent in the BSN:02 of the 856 ship notice. (The number is used for matching so it should be the same number used to identify the shipment.)	M AN 1/30

Example:

REF*PD*221758

Segment: **REF** Reference Identification

- Position:** 050
- Loop:**
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 12
- Purpose:** To specify identifying information
- Syntax Notes:**
 - 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
 - 1 REF04 contains data relating to the value cited in REF02.
- Comments:**

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification SE Serial Number	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier The SID number should match to the information/data sent in the BSN:02 of the 856 ship notice. (The number is used for matching so it should be the same number used to identify the shipment.)	M AN 1/30

Example:

REF*SE*SN2996518443



Segment: **N1** Name

- Position:** 070
- Loop:** N1 Mandatory
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To identify a party by type of organization, name, and code
- Syntax Notes:**
 - 1 At least one of N102 or N103 is required.
 - 2 If either N103 or N104 is present, then the other is required.
- Semantic Notes:**
- 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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser)	M ID 2/2
M	N102	93	Name Free-form name	M AN 1/60
M	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	M ID 1/2
M	N104	67	Identification Code Code identifying a party or other code	M AN 2/15

Example:

N1*BY*VOLVO TRUCKS NORTH AMERICA*92*04388

Segment: **N3** Address Information

Position: 090
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u> N301	<u>Element</u> 166	<u>Address Information</u> Address information	M AN 1/55

Example:

N3*4881 COUGAR TRAIL ROAD



Segment: **N4** Geographic Location

- Position:** 100
- Loop:** N1 Mandatory
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To specify the geographic place of the named party
- Syntax Notes:** 1 If N406 is present, then N405 is required.
- Semantic Notes:**
- 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.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	N401	19	City Name Free-form text for city name	M AN 2/30
M	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
M	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M ID 3/15
M	N404	26	Country Code Code identifying the country	M ID 2/3

Example:

N4*DUBLIN*VA*24084*US



Segment: **N1** Name

- Position:** 070
- Loop:** N1 Mandatory
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To identify a party by type of organization, name, and code
- Syntax Notes:**
 - 1 At least one of N102 or N103 is required.
 - 2 If either N103 or N104 is present, then the other is required.
- Semantic Notes:**
- 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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SE Selling Party	M ID 2/2
M	N102	93	Name Free-form name	M AN 1/60
M	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	M ID 1/2
M	N104	67	Identification Code Code identifying a party or other code	M AN 2/15

Example:

N1*SE*SUPPLIER ABC*92*04524

Segment: **N3** Address Information

Position: 090
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u> N301	<u>Element</u> 166	<u>Address Information</u> Address information	M AN 1/55

Example:

N3*2600 LANCASTER DRIVE



Segment: **N4** Geographic Location

- Position:** 100
- Loop:** N1 Mandatory
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To specify the geographic place of the named party
- Syntax Notes:** 1 If N406 is present, then N405 is required.
- Semantic Notes:**
- 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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N401	19	City Name Free-form text for city name	M AN 2/30
M	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
M	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M ID 3/15
M	N404	26	Country Code Code identifying the country	M ID 2/3

Example:

N4*MORRISON*IN*47250*US

Segment: **REF** Reference Identification

Position: 110
Loop: N1 Mandatory
Level: Heading
Usage: Conditional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 3S Provincial (Canadian) Sales Tax Exemption Number If charging for the Canadian Provincial sales tax this qualifier must be used to identify the corresponding tax identification number. (TXI*LT)	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Examples:

REF*3S*1002886754*P.S.T.

REF*3S*27833414*Q.S.T.

Segment: **REF** Reference Identification

- Position:** 110
- Loop:** N1 Mandatory
- Level:** Heading
- Usage:** Conditional
- Max Use:** 12
- Purpose:** To specify identifying information
- Syntax Notes:**
 - 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
 - 1 REF04 contains data relating to the value cited in REF02.
- Comments:**

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 40 Canadian Goods & Services or Quebec Sales Tax Reference Number If charging for the Canadian Goods & Services tax or Harmonized Sales Tax this qualifier must be used to identify the corresponding tax reference number. (TXI*GS)	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Example:

REF*40*101949162*G.S.T.

REF*40*187114299*H.S.T.



Segment: **N1** Name

- Position:** 070
- Loop:** N1 Mandatory
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To identify a party by type of organization, name, and code
- Syntax Notes:**
 - 1 At least one of N102 or N103 is required.
 - 2 If either N103 or N104 is present, then the other is required.
- Semantic Notes:**
- 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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SF Ship From	M ID 2/2
M	N102	93	Name Free-form name	M AN 1/60
M	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	M ID 1/2
M	N104	67	Identification Code Code identifying a party or other code	M AN 2/15

Example:
N1*SF*SUPPLIER ABC*92*04524

Segment: N3 Address Information

Position: 090
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M AN 1/55

Example:

N3*2600 LANCASTER DRIVE

Segment: **N4** Geographic Location

- Position:** 100
- Loop:** N1 Mandatory
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To specify the geographic place of the named party
- Syntax Notes:** 1 If N406 is present, then N405 is required.
- Semantic Notes:**
- 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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N401	19	City Name Free-form text for city name	M AN 2/30
M	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
M	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M ID 3/15
M	N404	26	Country Code Code identifying the country	M ID 2/3

Example:

N4*MORRISON*IN*47250*US

Segment: **REF** Reference Identification

Position: 110
Loop: N1 Mandatory
Level: Heading
Usage: Conditional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 3S Provincial (Canadian) Sales Tax Exemption Number If charging for the Canadian Provincial sales tax this qualifier must be used to identify the corresponding tax identification number. (TXI*LT)	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Examples:

REF*3S*1002886754*P.S.T.

REF*3S*27833414*Q.S.T.

Segment: **REF** Reference Identification

- Position:** 110
- Loop:** N1 Mandatory
- Level:** Heading
- Usage:** Conditional
- Max Use:** 12
- Purpose:** To specify identifying information
- Syntax Notes:**
 - 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
 - 1 REF04 contains data relating to the value cited in REF02.
- Comments:**

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 40 Canadian Goods & Services or Quebec Sales Tax Reference Number If charging for the Canadian Goods & Services tax or Harmonized Sales Tax this qualifier must be used to identify the corresponding tax reference number. (TXI*GS)	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Example:

REF*40*101949162*G.S.T.

REF*40*187114299*H.S.T.



Segment: **N1** Name

- Position:** 070
- Loop:** N1 Mandatory
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To identify a party by type of organization, name, and code
- Syntax Notes:**
 - 1 At least one of N102 or N103 is required.
 - 2 If either N103 or N104 is present, then the other is required.
- Semantic Notes:**
- 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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To	M ID 2/2
M	N102	93	Name Free-form name	M AN 1/60
M	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	M ID 1/2
M	N104	67	Identification Code Code identifying a party or other code	M AN 2/15

Example:

N1*ST*COMPONENTS DE MONTREAL*92*03016

Segment: **N3** Address Information

Position: 090
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	N301	166	Address Information Address information	M AN 1/55

Example:

N3* 7275 BOUL HYMUS BLVD

Segment: **N4** Geographic Location

- Position:** 100
- Loop:** N1 Mandatory
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To specify the geographic place of the named party
- Syntax Notes:** 1 If N406 is present, then N405 is required.
- Semantic Notes:**
- 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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N401	19	City Name Free-form text for city name	M AN 2/30
M	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
M	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M ID 3/15
M	N404	26	Country Code Code identifying the country	M ID 2/3

Example:

N4* ROYAL*QC*H9P 1J5*CN

Segment: **ITD** Terms of Sale/Deferred Terms of Sale

Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify terms of sale
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ITD06	446	Terms Net Due Date	O DT 8/8
		Date when total invoice amount becomes due expressed in format CCYYMMDD	

Example:

ITD*****20170923

Segment: DTM Date/Time Reference

Position: 140
Loop:
Level: Heading
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 011 Shipped	M ID 3/3
M	DTM02	373	Date Date expressed as CCYYMMDD	M DT 8/8

Example:

DTM*011*20170620



Segment: **IT1** Baseline Item Data (Invoice)

Position: 010
Loop: IT1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Syntax Notes:

Semantic Notes:

Comments:

- 1 IT101 is the purchase order line item identification.
- 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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set PO line item matching the original purchase order or purchase order release	M AN 1/20
M	IT102	358	Quantity Invoiced Number of units invoiced (supplier units)	M R 1/10
M	IT103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
			CN Can	
			CR Cubic Meter	
			DM Decimeter	
			DR Drum	
			EA Each DEFAULT	
			FT Foot	
			GA Gallon	
			GR Gram	
			HU Hundred	
			KG Kilogram	
			KT Kit	
			LB Pound	
			LT Liter	
			ML Milliliter	
			MM Millimeter	
			MR Meter	
			OZ Ounce - Av	
			PK Package	
			PR Pair	
			PT Pint	
			QT Quart	
			SC Square Centimeter	
			SM Square Meter	
			T3 Thousand Pieces	

M	IT104	212	Unit Price Price per unit of product, service, commodity, etc. --> Include decimal point 2-positions >Include decimal point - 2 positions .00	M R 1/17
M	IT105	639	Basis of Unit Price Code Code identifying the type of unit price for an item HP Price per Hundred PE Price per Each TP Price per Thousand	M ID 2/2
M	IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	M ID 2/2
M	IT107	234	Product/Service ID Identifying number for a product or service	M AN 1/48
M	IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) PO Purchase Order Number	M ID 2/2
M	IT109	234	Product/Service ID Identifying number for a product or service	M AN 1/48
	IT110	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) CH Country of Origin Code	O ID 2/2
	IT111	234	Product/Service ID Identifying number for a product or service	O AN 1/48
	IT112	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) PD Part Number Description	O ID 2/2
	IT113	234	Product/Service ID Identifying number for a product or service	O AN 1/48
	IT114	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) VP Vendor's (Seller's) Part Number	X ID 2/2
	IT115	234	Product/Service ID Identifying number for a product or service	X AN 1/48
	IT116	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) RN Release Number Used only for Mack VDSP (Vendor Direct Ship Program) Those Mack orders shipping to a Dealer.	X ID 2/2
	IT117	234	Product/Service ID Identifying number for a product or service	X AN 1/48

Example:

IT1*001*5*EA*20.00*PE*BP*22750111*PO*SMN650311*CH*US*PD*BRACKET*VP*16-115*RN*889565-12340NC



Segment: **TXI** Tax Information

- Position:** 040
- Loop:** IT1 Mandatory
- Level:** Detail
- Usage:** Conditional
- Max Use:** 10
- Purpose:** To specify tax information
- Syntax Notes:**
 - 1 At least one of TXI02 TXI03 or TXI06 is required.
 - 2 If either TXI04 or TXI05 is present, then the other is required.
 - 3 If TXI08 is present, then TXI03 is required.
- Semantic Notes:**
 - 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.

**Comments: USE ONLY FOR TAXES APPLIED AT LINE-LEVEL.
THE FEW ALLOWED VOLVO TAXES ARE CHARGED AT THE SUMMARY LEVEL.**

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>M</u> <u>ID</u> <u>2/2</u>
M	TXI01	963 Tax Type Code	
		Code specifying the type of tax	
		GS Goods and Services Tax Canadian value-added tax	
		LT Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)	
		Monetary amount	
M	TXI02	782 Monetary Amount	M R 1/18

Examples:

TXI*GS*0.52 ← Include decimal point; 2 decimal places

TXI*LT*1.04 ← Include decimal point; 2 decimal places



Segment: **SAC** Service, Promotion, Allowance, or Charge Information

- Position:** 180
- Loop:** SAC Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 1
- Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
- Syntax Notes:** 1 At least one of SAC02 or SAC03 is required.
- Semantic Notes:** 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.
 If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 3 SAC08 is the allowance or charge rate per unit.
- Comments:** **USE ONLY FOR ADDITIONAL CHARGES APPLIED AT LINE-LEVEL.**
MOST VOLVO ADDITIONAL CHARGES ARE APPLIED AT SUMMARY LEVEL

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SAC01	248	Allowance or Charge Indicator	M ID 1/1
			Code which indicates an allowance or charge for the service specified	
			A Allowance	
			C Charge	
M	SAC02	1300	Service, Promotion, Allowance, or Charge Code	M ID 4/4
			Code identifying the service, promotion, allowance, or charge	
			A010 Absolute Minimum Charge	
			A320 Air Transportation Charge	
			B750 Core Charge	
			C040 Delivery	
			C310 Discount	
			C680 Environmental Protection Service	
			D240 Freight	
			D500 Handling	
			D540 Hazardous Materials Handling Fee - Domestic	
			D900 Installation	
			E190 Labor Charges	
			E820 Non-returnable Containers	
			E890 Ocean Freight	
			F050 Other (See related description)	
			F155 Packaging	
			F160 Painting (Primer or Finish)	
			F650 Preparation	
			G470 Restocking Charge	
			G510 Returnable Container	
			G530 Rework	
			G760 Set-up	
			G920 Sleeving	
			H080 Special Freight Supplements	
			H090 Special Handling	



Applications of ANSI 12



Version 201701-8

- H110 Special Packaging
- H200 Special Use
- H550 Surcharge
- I110 Tooling
- I590 Warranties
- R060 Packing, Crating, and Handling Charge

M	SAC05	610	Amount	M N2 1/15
			Monetary amount	
	SAC15	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	

Example:

SAC*C*B750***30000*****CORE CHARGE ← No decimal point; assumed 2 decimal positions



Segment: **TDS** Total Monetary Value Summary

- Position:** 010
- Loop:**
- Level:** Summary
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To specify the total invoice discounts and amounts
- Syntax Notes:**
- Semantic Notes:**
 - 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.
- Notes:** Gross Total Amount of line items, additional charges, and taxes.
No decimal point; assumed 2-decimal positions.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TDS01	610 Amount	M N2 1/15
		Monetary amount	

Example:
TDS*197633 ← Assume 2-decimal places (1976.33)



Segment: **TXI** Tax Information

- Position:** 020
- Loop:**
- Level:** Summary
- Usage:** Optional
- Max Use:** 10
- Purpose:** To specify tax information
- Syntax Notes:**
 - 1 At least one of TXI02 TXI03 or TXI06 is required.
 - 2 If either TXI04 or TXI05 is present, then the other is required.
 - 3 If TXI08 is present, then TXI03 is required.
- Semantic Notes:**
 - 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.

Comments: USE FOR TAXES APPLIED AT SUMMARY-LEVEL.
 MOST ALLOWED VOLVO TAXES ARE CHARGED AT THE SUMMARY LEVEL.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TXI01	963 Tax Type Code	M ID 2/2
		Code specifying the type of tax	
		GS Goods and Services Tax	
		Canadian value-added tax	
			If charging this tax, Canadian law requires that the associated tax ID be included in the above REF:4O segment. If the tax ID is not included in the REF:4O segment and this code is used, your invoice will be rejected.
		LT Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)	
			If charging this tax, Canadian law requires that the associated tax ID be included in the above REF:3S segment. If the tax ID is not included in the REF:3S segment and this code is used, your invoice will be rejected.
	TXI02	782 Monetary Amount	X R 1/18
		Monetary amount	

Examples:

TXI*GS*0.52 ← Include decimal point; 2 decimal places

TXI*LT*1.04 ← Include decimal point; 2 decimal places



Segment: **SAC** Service, Promotion, Allowance, or Charge Information

- Position:** 040
- Loop:** SAC Optional
- Level:** Summary
- Usage:** Optional
- Max Use:** 1
- Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
- Syntax Notes:** 1 At least one of SAC02 or SAC03 is required.
- Semantic Notes:** 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. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
3 SAC08 is the allowance or charge rate per unit.
- Comments:** **USE ONLY FOR ADDITIONAL CHARGES APPLIED AT SUMMARY-LEVEL. MOST VOLVO ADDITIONAL CHARGES ARE APPLIED AT THIS LEVEL**

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SAC01	248	Allowance or Charge Indicator	M ID 1/1
			Code which indicates an allowance or charge for the service specified	
			A Allowance	
			C Charge	
M	SAC02	1300	Service, Promotion, Allowance, or Charge Code	M ID 4/4
			Code identifying the service, promotion, allowance, or charge	
			A010 Absolute Minimum Charge	
			A320 Air Transportation Charge	
			B750 Core Charge	
			C040 Delivery	
			C310 Discount	
			C680 Environmental Protection Service	
			D240 Freight	
			D500 Handling	
			D540 Hazardous Materials Handling Fee - Domestic	
			D900 Installation	
			E190 Labor Charges	
			E820 Non-returnable Containers	
			E890 Ocean Freight	
			F050 Other (See related description)	
			F155 Packaging	
			F160 Painting (Primer or Finish)	
			F650 Preparation	
			G470 Restocking Charge	
			G510 Returnable Container	
			G530 Rework	
			G760 Set-up	
			G920 Sleeving	
			H080 Special Freight Supplements	
			H090 Special Handling	



Applications of ANSI 12



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- H110 Special Packaging
- H200 Special Use
- H550 Surcharge
- I110 Tooling
- I590 Warranties
- R060 Packing, Crating, and Handling Charge

M	SAC05	610	Amount	M N2 1/15
			Monetary amount	
	SAC15	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	

Example:

SAC*C*D240***908*****FREIGHT CHARGES ←No decimal point; assumed 2 decimal positions



Segment: **CTT** Transaction Totals

- Position:** 070
- Loop:**
- Level:** Summary
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To transmit a hash total for a specific element in the transaction set
- Syntax Notes:**
 - 1 If either CTT03 or CTT04 is present, then the other is required.
 - 2 If either CTT05 or CTT06 is present, then the other is required.
- Semantic Notes:**
- Comments:**
 - 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6
M	CTT02	347	Hash Total 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. The sum total of all extended line items (excluding additional charges and taxes.) This represents the total "taxable" amount if taxes are applied. Include decimal point; 2 positions.	M R 1/10

Example:

CTT*71*1882.13 ←Include decimal point

Segment: **SE** Transaction Set Trailer

Position: 080
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
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)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Example:

SE*25*2575575

Example 1

The invoice is for one part/article number for goods shipped to **Volvo Trucks**. The price of the part is \$9.97 and there are no special charges. The quantity shipped is 1500 pieces. There is no tax on this invoice. Note: The CTT:02 is the total of all extended IT1 lines, *not* including added charges and/or taxes. This element contains a decimal with two places.

```

ST*810*0000001'
BIG*20070601*363547*****CI'
CUR*II*USD'
REF*SI*188801'  <VDSP invoices require Dealer PO (original po from dealer.)
REF*DC*DEALERPO  <VDSP invoices require program number (defines pricing.)
REF*PD*018
N1*BY*VOLVO TRUCKS NO. AMERICA*92*04388'
N3*4881 COUGAR TRAIL ROAD'
N4*DUBLIN*VA*24084*US'
N1*SE*ABC CORPORATION*92*12345'
N3*849 CENTER STREET'
N4*ALTOONA*PA*17884*US'
N1*SF*ABC CORPORATION*92*12345'
N3*849 CENTER STREET'
N4*ALTOONA*PA*17884*US'
N1*ST*VOLVO TRUCK NO. AMERICA*92*04388'
N3*4881 COUGAR TRAIL ROAD'
N4*DUBLIN*VA*24084*US'
DTM*011*20070530'
IT1*001*1500*EA*9.97*PE*BP*20476992*PO*M654321-556*PD*ENGINE MOUNT*VP*P20-5192'
TDS*1495500'  <Total of entire invoice, including added charges and taxes.
CTT*1*14955.00'  <Total of extended IT1 line amounts.
SE*12*0000001'

```


EXAMPLE 2 VENDOR DIRECT-SHIP (TO DEALER) INVOICE (VDSP)

The invoice has multiple parts invoiced for **Volvo Canada** from a supplier in Canada. This is a VDSP invoice which had shipped to a Volvo dealer location in Canada. There are no special charges. It contains tax information for GS and LT taxes. The REF segment with qualifier '40' corresponds to the TXI segment with the qualifier 'GS' amount. The REF segment with qualifier '3s' refers to the TXI segment with the qualifier 'LT' amount. Note: TDS and TXI segment amounts are implied decimals. Note: The CTT:02 is the total of all extended IT1 lines, *not* including added charges and/or taxes. This element contains a decimal with two places.

```

ST*810*000000577{
BIG*130921*0018267764*****CI{
CUR*II*USD{
REF*SI*942181205{
REF*DC*DEALERPO ←VDSP invoices require Dealer PO (original po from dealer.)
REF*PD*012 ←VDSP invoices require program number (defines pricing.)
N1*BY*VOLVO TRUCKS CANADA*92*83026{
N3*6490 VIPOND DRIVE{
N4*MISSISSAUGA*ON*L5T 1W8*CA{
N1*SE*THE TIMKO CORPORATION*92*62022{
N3*331 STATE ROAD{
N4*MISSISSAUGA*ON*L5R 2W3*CA{
REF*40*123-123456{
REF*3S*774-9825{
N1*SF*THE TIMKO CORPORATION*92*62022{
N3*331 STATE ROAD{
N4*MISSISSAUGA*ON*L5R 2W3*CA{
N1*ST*PARE CENTRE DU CAMION-VO*92*2815K{
N3*250 DU PRESIDENT-KENNEDY{
N4*LEVIS*QC*G6V 9J6*US{
ITD*****130921{
DTM*011*130921{
IT1*001*4*EA*9.49*PE*BP*TRB572*PO*2815K-52467*PD*CUP-SGL*VP*572-20024;{
IT1*002*3*EA*15.29*PE*BP*TRB580*PO*2815K-52467*PD*CONE-SING*VP*580-20024;{
IT1*003*2*EA*11.76*PE*BP*TRB592A*PO*2815K-52467*PD*CUP-SGL*VP*592A-20024;{
IT1*004*1*EA*4.22*PE*BP*TRB25520*PO*2815K-52467*PD*CUP-SGL*VP*25520-20082;{
IT1*005*1*EA*24.77*PE*BP*TRBSET401*PO*2815K-52467*PD*SETS*VP*SET401-900SA;{
IT1*006*1*EA*29.46*PE*BP*TRBSET403*PO*2815K-52467*PD*SETS*VP*SET403-900SA;{
IT1*007*1*EA*47.63*PE*BP*TRBSET429*PO*2815K-52467*PD*ASSEMBLY*VP*SET429-900SA;{
IT1*008*1*EA*40.06*PE*BP*TRBSET430*PO*2815K-52467*PD*ASSEMBLY*VP*SET430-900SA;{
TDS*29146{ ←Total of entire invoice, including added charges and taxes.
TXI*GS*1267{
TXI*LT*2530{
CTT*8*253.49{ ←Total of extended IT1 line amounts.
SE*40*000000577{

```

EXAMPLE 3 MACK VENDOR DIRECT-SHIP-TO-DEALER INVOICE (VDSP)

The invoice has multiple parts invoiced for **Mack Trucks** from a supplier in the USA. This is a VDSP invoice which had shipped to a Mack dealer location. There are no special charges.

Note: TDS and TXI segment amounts are implied decimals. Note: The CTT:02 is the total of all extended IT1 line amounts, **not** including added charges and/or taxes. This element contains a decimal with two places.

```

ST*810*000000080
BIG*20170713*1674949507*****CI
CUR*II*USD
REF*SI*123949507
N1*BY*MACK TRUCKS, INC.*92*04285
N3*7900 NATIONAL SERVICE RD PO BOX 26258
N4*GREENSBORO*NC*27409*US
N1*SF*SUPPLIER TWO*92*56789
N3*555 MARKET ST
N4*REEDSBURG*WI*53959*US
N1*SE*SUPPLIER TWO*92*56789
N3*555 MARKET ST
N4*REEDSBURG*WI*53959*US
N1*ST*DEALER MS*92*C222
N3*9876 PINE STREET
N4*MERIDIAN*MS*39301*US
DTM*011*20170820
IT1*1*5*EA*304.00*PE*BP*368155*PO*SMS998877***PD*PART ELEVEN*VP*VENPRT55*RN*9495-2122
IT1*2*10*EA*261.00*PE*BP*451121*PO*SMS998877***PD*PART TWELVE*VP*VENPRT21*RN*9495-2745
TDS*413000 ←Total of entire invoice, including added charges and taxes.
CTT*2*4130.00 ←Total of extended IT1 line amounts.

```

EXAMPLE 4 MACK VENDOR DIRECT-SHIP-TO-DEALER INVOICE (VDSP)

The invoice has multiple parts invoiced for **Mack Trucks** from a supplier in the USA. This is a VDSP invoice which had shipped to a Mack dealer location. There is one additional charge.

Note: TDS segment amount is implied decimals. Note: The CTT:02 is the total of all extended IT1 lines, **not** including added charges and/or taxes. This element contains a decimal with two places.

```

ST*810*000000080
BIG*20170713*1674949509*****CI
CUR*II*USD
REF*SI*123949509
N1*BY*MACK TRUCKS, INC.*92*04285
N3*7900 NATIONAL SERVICE RD PO BOX 26258
N4*GREENSBORO*NC*27409*US
N1*SE*SUPPLIER TWO*92*56789
N3*555 MARKET STREET
N4*REEDSBURG*WI*53959*US
N1*SF*SUPPLIER TWO*92*56789
N3*555 MARKET STREET
N4*REEDSBURG*WI*53959*US
N1*ST*DEALER MS*92*C22
N3*9876 PINE STREET
N4*MERIDIAN*MS*39301*US
DTM*011*20170820
IT1*1*4*EA*558.00*PE*BP*231515*PO*SMS998877***PD*ROD FIT 2IN*VP*J2115*RN*949-4321578
IT1*2*12*EA*262.00*PE*BP*518116*PO*SMS998877***PD*ROD FIT 1IN*VP*J6751*RN*949-712485
TDS*542100 ←Total of entire invoice, including added charges and taxes.
SAC*C*D240***4500*****06
CTT*2*5376.00 ←Total of extended IT1 line amounts.

```

EXAMPLE 5 VOLVO PARTS DEPOT/WAREHOUSE INVOICE

The invoice has multiple parts invoiced for **Volvo Trucks** from a supplier in the USA. This is a PDC (Parts Depot Center) or Warehouse type invoice. There is one additional freight charge. The original PO price was .368 and we can only accept a 2-decimal price back on the invoice. See notation for the calculation required to provide the necessary 2-decimal place price in the 810.

Note: TDS segment amount is implied decimals. Note: The CTT:02 is the total of all extended IT1 lines, not including added charges and/or taxes. This element contains a decimal with two places.

```

ST*810*0001
BIG*20180402*3644061*****CI
CUR*II*USD
REF*SI*3071836
N1*ST*VOLVO TRUCKS*92*4173
N3*8355 HIGHFIELD DRIVE
N4*LEWIS CENTER*OH*43035*US
N1*SF*BATON CORP TRUCK GROUP*92*52000
N3*235 DODSON STREET
N4*HALTO*OH*43030*US
N1*BY*VOLVO TRUCKS*92*4173
DTM*011*20180402
IT1*1*311*FT*36.80*HP*BP*21579509*PO*M914216-124*VP*36621*PD*HOSE21
TDS*12445
SAC*C*D240***1000*****FREIGHT
CTT*1*114.45

```

Original PO price was .368 Convert this to 2 decimals by multiplying .368 X 100 = 36.80 is price using a qualifier of HP. Round amount to 2-decimals if necessary.

EXAMPLE 6 VOLVO VENDOR DIRECT-SHIP-TO-DEALER INVOICE (VDSP)

The invoice has multiple parts invoiced for **Volvo Trucks** from a supplier in the USA. This is a PDC (Parts Depot Center) or Warehouse type invoice. There is one additional freight charge. The original PO price was .368 and we can only accept a 2-decimal price back on the invoice. See notation for the calculation required to provide the necessary 2-decimal place price in the 810.

Note: TDS segment amount is implied decimals. Note: The CTT:02 is the total of all extended IT1 lines, **not** including added charges and/or taxes. This element contains a decimal with two places.

```

ST*810*000000080
BIG*20170718*777730166*****CI
CUR*II*USD
REF*SI*14630166
REF*DC*DEALERPO
REF*PD*015
N1*BY*VOLVO PARTS NORTH AMERICA*92*24814
N3*7900 NATIONAL SERVICE RD PO BOX 26126
N4*GREENSBORO*NC*27409*US
N1*SE*SUPPLIER ONE*92*12345
N3*950 ELM STREET
N4*SPRINGFIELD*MO*65802*US
N1*SF*SUPPLIER ONE*92*12345
N3*950 ELM STREET
N4*SPRINGFIELD*MO*65802*US
N1*ST*DEALER ONE*92*7777D
N3*123 MAIN STREET
N4*CHAMPAIGN *IL*61822*US
DTM*011*20170718
IT1*1*6*EA*79.62*PE*BP*PART1*PO*7777D-30166***PD*PARTONE*VP*VENPART1
SAC*A*C310***100*****06 ←Note that this is an "Allowance" of $1.00 credit.
IT1*2*12*EA*80.95*PE*BP*PART3*PO*7777D-30166***PD*PARTTHREE*VP*VENPART3
IT1*3*15*EA*75.95*PE*BP*PART4*PO*7777D-30166***PD*PARTFOUR*VP*VENPART4
IT1*4*12*EA*75.95*PE*BP*PART5*PO*7777D-30166***PD*PARTFIVE*VP*VENPART5
TDS*349877 ←Total of entire invoice, including charges, allowances, and/or taxes.
CTT*4*3499.77 ←Total of extended IT1 line amounts.

```