

Toledo Molding & Die, Inc.
EDI Document Specification

856: Ship Notice/Manifest – *Inbound to TMD from Vendor*

7/24/02 Changes

ISA07 I05 Interchange ID Qualifier
TMD will use “ZZ”

ISA08 I07 Interchange Receiver ID
D-U-N-S number of the TMD receiving plant + ‘TMD’.

11/21/02 Changes

To match fields with our JBA software BSN02 and REF02 will now be 20 characters instead of 30.

BSN02 396	Shipment Identification	M AN 2/20
REF02 127	Reference Identification.	X AN 1/20

4/28/05 Changes

Sample 856 revised to agree more closely with the specifications.

Segments used but shown as “Optional” have been changed to “Mandatory” to avoid confusion.

PRF Segment now states to use information from the 862.

SN104 Quantity Shipped to Date needs to include the quantity on the ASN being sent.

7/25/05 Change to CTT01 and CTT02 documentation.

11/14/05 Change to CTT01 documentation.

6/27/06 Change to Equipment Description (TD301)

Added text to list the 5 valid equipment descriptions.

Additional changes are noted in the text by red color.

10/02/08 Changes:

Updated TMD contacts and/or phone numbers.

Removed Delphos 1.

02/11/2010 Change:

Removed Elba.

01/1/2013 Change:

BSN01 – Specify that ‘001’ and ‘005’ entries are not allowed. TMD’s ERP software will not process them.

Note: These requirements may be subject to change. The following was produced as an internal document so that I could define TMD’s unique requirements. It is being sent to you for your information. For questions concerning this document please contact me:

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Note: This document replaces any previous 856 document sent to you.
This document is meant for technical reference only.

Any questions of a financial nature should be addressed to:

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Any questions concerning your supplier relationship with TMD should be addressed to:

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TMD will use AIAG Version 004 . Release 010 of the 856 document.

Transmission schedule: 856s will be transmitted by the supplier before each shipment to TMD.

Segment: ISA Interchange Control Header

Level: N/A

Loop: _____

Usage: Mandatory 1 per interchange

Max Use: 1

Purpose: To start and identify an interchange of one or more functional groups and interchange-related control segments. The transmission envelope.

Example: ISA*00* *00* *ZZ*T425B *ZZ*F159B
 *000121*0838*U*00200*000561178*0*P**

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ISA01	I01	Authorization Information Qualifier Use "00"	M ID 2/2
ISA02	I02	Authorization Information Use ten spaces	M AN 10/10
ISA03	I03	Security Information Qualifier Not used	M ID 2/2
ISA04	I04	Security Information Not used	M AN 10/10
ISA05	I05	Interchange ID Qualifier TMD will use "01" (see ISA06) Possible: "ZZ" (see ISA08) if supplier has No D-U-N-S	M ID 2/2
ISA06	I06	Interchange Sender ID D-U-N-S number of the supplier sending plant. Suppress internal dashes and spaces. Left justify. TMD will assign a supplier code for those who do not have a DUNS. Suppliers can register for free DUNS number at www.dnb.com or by calling 1.800.333.0505.	M ID 15/15

ISA07 I05	Interchange ID Qualifier Use “ZZ”	M ID 2/2
ISA08 I07	Interchange Receiver ID D-U-N-S number of the TMD receiving plant + ‘TMD’. Suppress internal dashes and spaces. Left justify.	M ID 15/15
	TMD plant Receiver IDs are:	
	Bowling Green 021046771TMD	
	Delphos II 838509636TMD	
	Laskey 091910435TMD	
	Phillips 185571705TMD	
	Tiffin 131978590TMD	
ISA09 I08	Interchange Date Date of creation. YYMMDD	M DT 6/6
ISA10 I09	Interchange Time Time of creation	M TM 4/4
ISA11 I10	Interchange Control Standards Identifier Use “U” for U.S.	M ID 1/1
ISA12 I11	Interchange Control Version Number Use “00401”	M ID 5/5
ISA13 I12	Interchange Control Number A number that cannot be repeated within a 1 year period at a time	M N0 9/9
ISA14 I13	Acknowledgment Requested Use “0” for no Ack. Req., use “1” for Ack. Req.	M ID 1/1
ISA15 I14	Test Indicator Use “T” for test data or “P” for production data	M ID 1/1
ISA16 I15	Component Element Separator	M AN 1/1

Heading Level:

Segment: **GS** Functional Group Header

Level: N/A

Loop: as required

Usage: Mandatory 1 per functional group

Max Use: 1

Purpose: To indicate the beginning of a functional group and to provide control information. Isolates one group of similar business documents from another.

Notes: See the ASC X12 segment directory for rules and notes.
Strict compliance and agreement on content by trading partners is required.

The GS/GE envelope isolates one group of similar business documents from another. Several dissimilar types of business documents can be stacked one behind another in an interchange envelope, each group in its own GS/GE envelope. A count is kept of the number of groups of business documents (GS/GE segments) stacked together in an interchange envelope and is placed in the IEA01 element.

Example: `GS*SH*123456789*609158415*19990106*0914*000016460*X*003010*`

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
GS01	479	Functional Identifier Code TMD will use 'SH'.	M ID 2/2
GS02	142	Application Sender's Code Sending (supplier) plant DUNS number. Suppress internal dashes and spaces. Left justify. TMD will assign a supplier code for those who do not have a DUNS. Suppliers can register for free DUNS number at www.dnb.com or by calling 1.800.333.0505.	M ID 2/15
GS03	124	Application Receiver's Code This code should match the receiver code in the ISA segment. D-U-N-S number of the TMD receiving plant + 'TMD'. Suppress internal dashes and spaces. Left justify.	M ID 2/15

TMD plant Receiver's Codes are:

Bowling Green	021046771TMD
Delphos II	838509636TMD
Laskey	091910435TMD
Phillips	185571705TMD
Tiffin	131978590TMD

- | | | | |
|-------------|-----|---|-----------|
| GS04 | 29 | Date
Date created. CCYYMMDD | M DT 8/8 |
| GS05 | 30 | Time
Time (HHMM) when the sender generated the Transaction sets (local time at sender's location) | M TM 4/8 |
| GS06 | 28 | Group Control Number
Number assigned and maintained by sender.
Start with 1 and increment by 1 for each subsequent GS segment. | M NO 1/9 |
| GS07 | 455 | Responsible Agency Code
Code used in with D.E. 480 to identify the Issuer of the standard. Use 'X' (ANSI X12). | M ID 1/2 |
| GS08 | 408 | Version/Release/ Industry Code
Code indicating the version, release, subrelease and industry identifier of the EDI standard being used. Pos 1-3 = version number, pos 4-6 = release and subrelease level of version, 7-12 = industry or trade association identifier.
TMD will use ' 004010 '. | M ID 1/12 |

Segment: ST Transaction Set Header

Purpose: To indicate the start of a transaction set and to assign a control number

Level: Header

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Semantic: 1 The transaction set identifier (ST01) used by the translation routines of the Interchange partners to select the appropriate transaction set definition (e.g., 856 selects the Advanced Ship Notice Transaction Set).

Notes: The Transaction Set Control Number (ST02) in this header must match the Transaction Set Control Number (SE02) in the Transaction Set Trailer (SE).

[Example: ST*856*nnnnnn](#)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ST01	143	Transaction Set Identifier Code ID Code uniquely identifying a Transaction Set Use “ 856 ” (Ship Notice/Manifest)	M ID 3/3
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. This number must match the value in SE02.	M AN 4/9

Segment: **BSN** Beginning Segment for Ship Notice

Level: Header

Loop: _____

Usage: Mandatory

Max Use: 1

Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Notes: The date and time are the date and local time of the creation of the transaction.

Example: **BSN*00*12345*20000119*0830.**

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
BSN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set CODE DEFINITION: 00 Original 01 Cancellation (Not used) 05 Replace (Not used) Use '00' only	M ID 2/2
BSN02	396	Shipment Identification A unique control number assigned by the original shipper to identify a specific shipment Unique supplier-assigned number that is not repeated within a one year period when BSN01 = "00". Sender.	M AN 2/20
BSN03	373	Date Date expressed as CCYYMMDD Sender's date at creation.	M DT 8/8
BSN04	337	Time 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) Sender's time at creation. Use HHMM.	M TM 4/8

BSN05 1005	Hierarchical Structure Code Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set. Not used.	O ID 4/4
BSN06 640	Transaction Type Code Not used.	X ID 2/2
BSN07 641	Status Reason Code Code indicating the status reason. Not used.	O ID 3/3

Segment: DTM Date/Time Reference

Level: Header

Loop: _____

Usage: Mandatory

Max Use: 10

Purpose: To specify pertinent dates and times

Example: [DTM*011*20000119*0830](#).

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
DTM01 374		Date/Time Qualifier Code specifying type of date or time, or both date and time. One DTM segment with a code value of "011" is required. CODE DEFINITION: 011 Shipped (normal) 017 Estimated Delivery	M ID 3/3
DTM02 373		Date Date expressed as CCYYMMDD Sender	X DT 8/8
DTM03 337		Time 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). Date expressed as HHMM Sender	X TM 4/8
DTM04 623		Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow If not used, the date and time is	O ID 2/2

assumed to be the shipper's local time for "011" and the receiver's local time "017". Any valid X12 code value except mutually defined.

DTM05 1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format. Not used.	X ID 2/3
DTM06 1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times. Not used.	X AN 1/35

[Heading Level:](#)

Segment: HL Hierarchical Level

Level: Detail – Shipment

Loop: HL **Repeat:** 200000

Usage: Mandatory

Max Use: 1

Purpose: To identify dependencies among and the content of hierarchically related groups of data Segments. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set .

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure.	M AN 1/12
HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to. Not used for this occurrence of the HL segment.	O AN 1/12
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure. Use 'S' (Shipment)	M ID 1/2
HL04	736	Hierarchical Child Code Code indicating if there are hierarchical child data segments subordinate to the level being described. Not used.	O ID 1/1

Segment: **MEA** Measurements

Level: Detail – Shipment

Loop: HL

Usage: Mandatory

Max Use: 40

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights.

Note: Two MEA segments will be required from the sender. A “G” (gross weight) segment and an “N” (net weight) segment.

Example: MEA*PD*G*23143*LB

Example: MEA*PD*N*7936*LB

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
MEA01	737	Measurement Reference ID Code Code identifying the broad category to which a measurement applies. Use ‘PD’ (Physical Dimensions)	O ID 2/2
MEA02	738	Measurement Qualifier Code identifying a specific product or process characteristic to which a measurement applies Code value "G" is required. Code "N" is required for all rail shipments. CODE DEFINITION: G = Gross Weight N = Actual Net Weight	O ID 1/3
MEA03	739	Measurement Value The value of the measurement.	X R 1/20
MEA04	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.	X ID 2/2

CODE DEFINITION:

KG = Kilogram
LB = Pound

MEA05 – MEA10 Not used.

Segment: TD1 Carrier Details (Quantity and Weight)

Level: Detail – Shipment

Loop: HL

Usage: Mandatory

Max Use: 20

Purpose: To specify the transportation details relative to commodity, weight, and quantity

Notes: Used to specify lading quantity and package type.

Example: [TD1*RCK90*25](#)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD101	103	Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required. Use Packaging Code of the shipping unit (e.g. ten boxes on one pallet is specified as one pallet). Any valid X12 code value except mutually defined.	O AN 3/5
TD102	80	Lading Quantity Number of units (pieces) of the lading commodity	X N0 1/7
TD103 - TD110		Not used.	

Segment: TD5 Carrier Details (Routing Sequence/Transit Time)

Level: Detail – Shipment

Loop: HL

Usage: Mandatory

Max Use: 12

Purpose: To specify the carrier and sequence of routing and provide transit time information

Comments: When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Example: TD5*B*02*CUOT*C***PP*PC66

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement	O ID 1/2
CODE DEFINITION:			
B = Origin/Delivery Carrier (Any Mode)			
TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
CODE DEFINITION:			
2 = Standard Carrier Alpha Code (SCAC)			
TD503	67	Identification Code Code identifying a party or other code	X AN 2/80
TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Any valid X12 code value except mutually defined; 'ZZ'	X D 1/2
("A" = Air "AE" = Air Express "C" = Consolidated (Pool) "E" = Expedited Truck			

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"G" = Piggyback Rail
 "H" = Customer Pick-up
 "J" = Just-in-Time
 "L" = Contract Carrier
 "LT" = Less Than Truck Load
 "M" = Motor (Common Carrier)
 "O" = Ocean
 "P" = Private Carrier
 "R" = Rail
 "U" = UPS (United Parcel Service))

TD505 - TD506 **Not used.**

TD507 309 Location Qualifier O ID 1/2
 Code identifying type of location
 If TD504 = 'A', use code value "OR", meaning
 Origin (Shipping Point).

CODE DEFINITION:

OR = Origin (Shipping Point)
PP = Pool Point

TD508 310 Location Identifier X AN 1/30
 Code which identifies a specific location
**Give pool code if TD507 is "PP"; give airport
 code Identifier if TD507 is "OR" for an air
 shipment (e.g., DTW = Detroit Metro Airport).**

TD509 - TD515 **Not used.**

Segment: TD3 Carrier Details (Equipment)

Level: Detail – Shipment

Loop: HL

Usage: Mandatory

Max Use: 12

Purpose: To specify transportation details relating to the equipment used by the carrier

Notes: **Maximum use of this TD3 segment is one. This TD3 is used to identify the serial Number of the trailer or railcar.**

Example : TD3*TL**K1128

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
TD301 40		Equipment Description Code Code identifying type of equipment used for Shipment. Any valid X12 code value except mutually defined. TMD will accept the following Equipment Description Codes: AC = Air Charter AE = Air Expedite EX = Expedite PT = Partial Truck TL = Truck Load	X ID 2/2
TD302 206		Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number. Not used.	O AN 1/4
TD303 207		Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred). Use trailer number .	X AN 1/10
TD304 - TD310		Not used.	

Segment: **REF** Reference Identification

Level: Detail – Shipment

Loop: HL

Usage: Mandatory

Max Use: >1

Purpose: To specify identifying information

Note: Two REF segments will be required from the sender. A “BM (bill of lading number) segment and an “PK” (packing list number) segment.

Example: REF*BM*561178

Example: REF*PK*561178

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		

REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification Either "BM" or "PK" is required to be transmitted.	M ID 2/3
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CODE DEFINITION:

AO = Appointment Number
AW = Air Waybill Number
BM = Bill of Lading Number
JA = Beginning Job Sequence Number
JE = Ending Job Sequence Number
MB = Master Bill of Lading
PK = Packing List Number

REF02	127	Reference Identification. Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier.	X AN 1/20
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REF03 - REF04 **Not used.**

Segment: N1 Name

Level: Detail – Shipment

Loop: HL/N1 **Repeat:** 200

Usage: Mandatory

Max Use: 1

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

Note: Two N1 segments will be required from the sender. An “ST” (ship to identification) segment and a “SF” (ship from identification) segment.

D-U-N-S numbers will be the preferred method of identifying our suppliers.

Suppliers can register for free DUNS number at www.dnb.com or by calling 1.800.333.0505. TMD will assign a supplier code for those who do not have a DUNS.

You will need a D-U-N-S number for each ‘ship from’ plant.

Example: N1*ST**01*071107452 (ship to the TMD Carey plant)

Ship to segment:

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		

N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual.	M ID 2/3
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CODE DEFINITION:

BT = Bill-to-Party

CS = Consolidator

MI = Planning Schedule/Material Release Issuer

SF = Ship From

ST = Ship To

SU = Supplier/Manufacturer

N102	93	Name AN 1/60 X Free-form name Not used.	
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N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). Use ‘01’.	X ID 1/2
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CODE DEFINITION:

01 = D-U-N-S Number, Dun & Bradstreet

N104 67 Identification Code X AN 2/80
 Code identifying a party or other code
Suppress internal dashes and spaces.
Left Justify.

TMD plant D-U-N-S numbers are:

Bowling Green	021046771
Delphos II	838509636
Laskey	091910435
Phillips	185571705
Tiffin	131978590

N105 - N105 **Not used.**

Ship from segment:

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		

N101 98		Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual.	

CODE DEFINITION:

BT = Bill-to-Party
CS = Consolidator
MI = Planning Schedule/Material Release Issuer
SF = Ship From
ST = Ship To
SU = Supplier/Manufacturer

N102 93 Name AN 1/60 X
 Free-form name
Not used.

N103 66 Identification Code Qualifier X ID 1/2
 Code designating the system/method of code structure used for Identification Code (67).
 Use '01' if the ship from plant has a D-U-N-S.
This is the preferred method.
Suppliers can register for free D-U-N-S number at www.dnb.com or by calling 1.800.333.0505. TMD will assign a supplier code for those who do not have

a D-U-N-S. You will need a D-U-N-S number for each 'ship from' plant.

Use '92" if the ship from plant has a TMD assigned plant number.

CODE DEFINITION:

01 = D-U-N-S Number, Dun & Bradstreet

92 = TMD assigned plant number.

N104 67	Identification Code	X AN 2/80
	Code identifying a party or other code.	
	This is the ship from plant's D-U-N-S number or TMD assigned plant number.	
	Suppress internal dashes and spaces.	
	Left Justify.	
N105 - N105	Not used.	

Order Level: No Order Level Information will be sent.

Item Level:

Segment: HL Hierarchical Level

Level: Detail – Item

Loop: HL **Repeat:** 200000

Usage: Mandatory

Max Use: 1

Purpose: To identify dependencies among and the content of hierarchically related groups of data Segments

Example: HL*3*1*I (Hierarchical ID = 3, Hierarchical Parent ID Number = 2, Hierarchical Level = I = Item)

<u>Ref.</u>	<u>Data</u>		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. "1" is used for the shipment level HL segment. Increment by 1 for each subsequent HL segment within the transaction.	M AN 1/12
HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to.	O AN 1/12
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure. I = Item	M ID 1/2
HL04	736	Hierarchical Child Code Code indicating if there are hierarchical child data segments subordinate to the level being described.	O ID 1/1

Segment: LIN Item Identification

Level: Detail – Item

Loop: HL

Usage: Mandatory

Max Use: 1

Purpose: To specify basic item identification data

Notes: If used at order level, does not need to be repeated at item level.

Example: [LIN**BP*YS4H ICSMOD RM](#)

<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set. Not used.	O AN 1/20
LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234). Use 'BP' (Buyer's Part Number) If a Buyer's Part Number (BP) is not available then select a qualifier from the codes listed under the LIN04 to identify the item.	M ID 2/2
LIN03	234	Product/Service ID Identifying number for a product or service. Use TMD's part number.	M AN 1/48
LIN04	4235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	X ID 2/2

CODE DEFINITION:

CH = Country of Origin Code
SEE CODE SOURCE 5 IN X12 STANDARDS
DR = Drawing Revision Number
EC = Engineering Change Level
PO = Purchase Order Number
RC = Returnable Container Number
VO = Vendor's Order Number
VP = Vendor's (Seller's) Part Number

Not used.

LIN05 234

Product/Service ID

X AN 1/48

Identifying number for a product or service.

Not used.

LIN06 through **LIN31** provide for 13 additional pairs of data elements 235 and 234. **Not used.**

Segment: SN1 Item Detail (Shipment)

Level: Detail – Item

Loop: HL

Usage: Mandatory

Max Use: 1

Purpose: To specify line-item detail relative to shipment

Notes: Used to show the net quantity being shipped, the unit of measure and cumulative year-to-date shipments if applicable.

If used at Order level, does not need to be repeated at item level.

Example: [SN1**49*EA*2469](#)

<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
SN101 350		Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set. Not used.	O AN 1/20
SN102 382		Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set.	M R 1/10
SN103 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. This should be the same Unit of Measure provided on the corresponding releasing document. Any valid X12 code value except mutually defined; 'ZZ'.	M ID 2/2
SN104 646		Quantity Shipped to Date Number of units shipped to date (including this shipment) . Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set.	O R 1/15
SN105 330		Quantity Ordered Not used.	X R 1/15
SN106 - SN108		Not used.	

Segment: PRF Purchase Order Reference

Level: Detail – Item

Loop: HL

Usage: Mandatory

Max Use: 1 (One per item level HL segment.)

Purpose: To provide reference to a specific purchase order.

Semantic: 1PRF04 is the date assigned by the purchaser to purchase order.

Notes: If used at Order level, does not need to be repeated at item level.

Example: PRF*3003400*4**20000119**C300237

<u>Ref.</u>	<u>Data</u>		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
PRF01	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser. Use PO number provided in releasing documents (e.g., 830, 850, 862, 866). Please use information from the 862.	M AN 1/22
PRF02	328	Release (schedule) Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction. Please use information from the 862.	O AN 1/30
PRF03	327	Not used.	
PRF04	373	Date Release (schedule) issue date expressed as CCYYMMDD Please use information from the 862.	O DT 8/8
PRF05	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set. Not used.	O AN 1/20
PRF06	367	Contract Number TMD assigned contract number. Please use information from the 862.	O AN 1/30
PRF07	92	Not used.	

Segment: CLD Load Detail

Level: Detail – Item

Loop: HL/CLD **Repeat:** 200

Usage: Mandatory

Max Use: 1

Purpose: To specify the number of material loads shipped

Notes: This segment is used by the supplier to inform the customer about the number of customer material loads shipped (e.g., pallets), and the quantity per load. The customer will use this information to prepare move tags and/or bar-coded labels to aid in moving material.

Example: [CLD*16*15*RCK90](#)

<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
CLD01	622	Number of Loads Number of customer-defined loads shipped by the supplier.	M NO 1/5
CLD02	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set. Total quantity per container.	M R 1/10
CLD03	103	Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required. Any valid X12 code value except mutually defined.	O AN 3/5

Segment: CTT Transaction Totals

Level: Summary

Loop: ____

Usage: Mandatory

Max Use: 1

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

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

Example: CTT*8*377

<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
CTT01	354	Number of Line Items Total number of line items in the transaction set Total number of HL segments.	M NO 1/6

CTT02	347	Hash Total (Total of SN102 elements - number of units shipped) 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.	O R 1/10
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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. -----
1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

CTT03 - CTT07 **Not used.**

Segment: SE Transaction Set Trailer

Level: Summary

Loop: ____

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). SE is the last segment of each transaction set.

Notes: The Transaction Set Control Number value in this trailer must match the same element value in the Transaction Set Header (ST02).

Example: SE*00043*1001

<u>Ref.</u>	<u>Data</u>		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments.	M NO 1/10
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 Same as ST02	M AN 4/9

Segment: GE Number of Included Sets

Level: Summary

Loop: ____

Usage: Mandatory

Max Use: 1

Purpose: To indicate the number of transaction sets within this GS/GE pair.

<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
GE01		Number of included sets A count of the number of transaction sets within this GS/GE pair.	
GE02		Data interchange Control Number Start with "1" and increment ONE for every subsequent GS this transmission. (Must match GS06 number)	

Segment: IEA Interchange Control Trailer

Level: N/A

Loop: _____

Usage: Mandatory 1 per interchange

Max Use: 1

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Notes: The interchange control number IEA02 in this trailer must match the value in ISA13.

Example: IEA*000001*000561178

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
IEA01	I16	Number of Included Functional Groups Number of GS segments included between ISA and this IEA	M N0 1/5
IEA02	I12	Interchange Control Number Must match ISA13	M N0 9/9

Sample Advanced Ship Notice (856):

ISA*00* *00* *01*009999999 *ZZ*838509636TMD *040923*1704*U*00401*000
000205*0*P*:?
GS*SH*009999999*838509636TMD*20040923*1704*206*X*004010?
ST*856*0001?
BSN*00*320133*20040923*1704?
DTM*011*20040826*1510*ED?
HL*1**S?
MEA*PD*G*14836*LB?
MEA*PD*N*5319*LB?
TD1*TBN90*341?
TD5*B*02*CUOT*M**PP*PC66?
TD3*TL**1?
REF*BM*320133?
REF*PK*11358?
N1*ST**01*838509636?

N1*SF**01*009999999?
HL*2*1*I?
LIN**BP*A123456AB?
SN1**2080*EA*243503?
PRF*5006992*0292**20040827**C501729?
CLD*32*65*TBN90?
HL*3*1*I?
LIN**BP*A6789AB?
SN1**14400*EA*1467672?
PRF*5008231*0226**20040907**C501460?
CLD*48*300*TBN90?
HL*4*1*I?
LIN**BP*A123XX?
SN1**504*EA*272776?
PRF*5006575*354**20040827**C501560?
CLD*18*28*TBN90?
HL*5*1*I?
LIN**BP*A56789?
SN1**7200*EA*120656?
PRF*5009628*0160**20040907**C501629?
CLD*24*300*TBN90?
HL*6*1*I?
LIN**BP*A23456?
SN1**972*EA*324216?
PRF*5004428*0755**20040827** C700029?
CLD*3*324*TBN90?
CTT*14*37332?
SE*80*0001?
GE*1*206?
IEA*1*000000205?