Toledo Molding & Die, Inc.
EDI Document Specification

862: Shipping Schedule ***Outbound from TMD to Vendor***

Please note the following additions/changes:

BSS09 – this d.e.# will now be used (contract number)

Additional changes are noted in the text by red color.

9/20/05 Change:
Modified transmission schedule language to reflect current business conditions.

9/20/07 Change:
Removed the "+ in-transit" from the SHP*02* example

10/24/07
Changed documentation for the SHP segment to clarify that when SHP01 = '02' and SHP02 = '0', then SHP03 and SHP04 will not be sent.
(ex- SHP***02***0)

10/02/08 Changes:
Updated TMD contacts and/or phone numbers.

02/11/2010 Change:
Removed Elba.

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 862 document sent to you.
This document is meant for technical reference only.

Accounting questions should be addressed to:

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TMD will use AIAG Version 004. Release 010 of the 862 document.

Transmission schedule: Nightly, Monday through Friday

Data Types under Attributes:
Nn numeric with n specified decimal places
R explicit
AN alphanumeric
DT date
TM time
ID identification

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* *01*071107452 *01*609158415
**990609*0831*U*00304*000028550*0*P*~*

Note: Values are controlled by Trading Partnership File Setup in Harbinger EDI/400.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
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 "ZZ" (see ISA06)	M ID 2/2
ISA06	I06	Interchange Sender ID D-U-N-S number of the TMD sending plant + 'TMD'. **Suppress internal dashes and spaces.** **Left justify**.	M ID 15/15

TMD plant Sender IDs are:

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

ISA07 I05	Interchange ID Qualifier Use "01" if supplier has a DUNS Possible: "ZZ" (see ISA08)	M	ID 2/2
ISA08 I07	Interchange Receiver ID Supplier plant D-U-N-S number. **Suppress internal dashes and spaces.** **Left justify.** May have to use 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
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.

Note: Values are controlled by Trading Partnership File Setup in Harbinger EDI/400.

Example:
GS*SS*071107452TMD*609158415*19990106*0914*000016460*X*003010*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
GS01	479	Functional Identifier Code TMD will use '**SS**' (shipping schedule).	M ID 2/2
GS02	142	Application Sender's Code Sending Plant D-U-N-S number + 'TMD'. **Suppress internal dashes and spaces.** **Left justify**.	M ID 2/15

TMD plant Sender's Codes are:

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

GS03	124	Application Receiver's Code This code should match the receiver code in the ISA segment. Use DUNS number May have to use supplier code for those who do not have a D-U-N-S. Suppliers can register for free D-U-N-S number at www.dnb.com or by calling 1.800.333.0505	M	ID 2/15
GS04	29	Date Date created. **CCYYMMDD**	M	DT 8/8
GS05	30	Group Time Time (HHMM) when the sender generated the Transaction sets (local time at sender's location)	M	TM 4/4
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
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*862*nnnnnnn

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ST01	143	Transaction Set Identifier Code ID Code uniquely identifying a Transaction Set "**862**" (Shipping Schedule)	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: BSS Beginning Segment for Shipping Schedule/Production Sequence
Level: Header
Loop: ____
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set.

Example: BSS*05*991143929990*19990424*SH*19990424*19990507*628*1****C*

Syntax: 1 R0708 - At least one of BSS07 or BSS08 is required.
Semantic: 1 Use BSS02 to indicate a document number.
2 Use BSS03 to indicate the date of this document.
3 Use BSS05 to indicate the schedule horizon start date (the date when the schedule begins).
4 Use BSS06 to indicate the schedule horizon end date (the date when the schedule ends).
5 BSS08 is the identifying number for a forecast assigned by the orderer/purchaser.
Notes: Either BSS07 or BSS08 must be used, but not both.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
BSS01	353	Transaction Set Purpose Code "00" is original, "04" = change, "05" means replace (normal). **TMD will use "05".**	M ID 2/2
BSS02	127	Reference Identification A number assigned by the sender to uniquely identify the transaction set. **TMD will send the schedule issue (release) number.**	M AN 1/30
BSS03	373	Schedule generation date Date expressed as CCYYMMDD.	M DT 8/8
BSS04	675	Schedule Type Qualifier. Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast. "SH" means shipment based planning numbers are indicated in the FST segments. ("DL" = delivery based, "BB" = broadcast) TMD will use **'SH'.**	M ID 2/2

BSS05 373	Date The schedule horizon start date. Date of the first FST segment. Date expressed as CCYYMMDD.	M DT 8/8
BSS06 373	Date The schedule horizon end date. **D**ate of the last FST segment. Date expressed as CCYYMMDD.	M DT 8/8
BSS07 328	Release Number. A sequential non-repeating number. This number will be used for both 830s and 862s.	X AN 1/30
BSS08 127	Reference Identification. **Not used**.	X AN 1/30
BSS09 367	Contract numnber.	O AN 1/30
BSS10 324	Purchase order number. **Not used**.	O AN 1/30
BSS11 676	Schedule Quantity Qualifier ID. Code identifying the type of quantities used when defining a schedule or forecast. “C” means cumulative quantities are indicated in the FST segment. (“A” = actual discreet quantities). TMD will use “**A**”.	O ID 1/1

Segment: **N1** **Name**
Level: Header
Loop: N1 Repeat: 200
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax: 1 R0203 - At least one of N102 or N103 is required.
P0304 - If either N103 or N104 is present, then the other is required.
Comments: A 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.
B N105 and N106 further define the type of entity in N101.

Notes: This N1 loop in the header area can be used to identify the shipping schedule issuer, the supplier, and the ship-to and ship-from locations. Both a ship-to and ship from will be sent.

Note: TMD will send three N1 segments: 'MI', 'ST', and 'SF'.

Material Release Issuer example:

N1*MI**1*609158415*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N101	98	Entity Identifier Code (MI = Planning Schedule/Material Release Issuer, SF Ship From, SI Shipping Schedule Issuer, ST Ship To, SU Supplier/Manufacturer). **TMD will use "MI**".	M ID 2/3
N102	93	Name. The material release issuer name shall be the text string 'Toledo Molding & Die Inc.,'.	X AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). TMD Will use **"1"** (D-U-N-S Number, Dun & Bradstreet).	X ID 1/2
N104	67	Identification Code Code identifying a party or other code (Suppress internal dashes and spaces).	X AN 2/80

		Material Issuer ID. (TMD issuing plant D-U-N-S Number) .	
N105	706	Entity Relationship Code **Not used**.	O ID 2/2
N106	98	Entity Identifier Code **Not used**.	O ID 2/3

Ship to example: N1*ST**1*609158415*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N101	98	Entity Identifier Code (MI = Planning Schedule/Material Release Issuer, SF Ship From, SI Shipping Schedule Issuer, ST Ship To, SU Supplier/Manufacturer). **TMD will use "ST**".	M ID 2/3
N102	93	Name. Freeform name. **Not used.**	X AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). Can contain '92' for mutually defined**. TMD Will use "1"** (D-U-N-S Number, Dun & Bradstreet).	X ID 1/2
N104	67	Identification Code Code identifying a party or other code (Suppress internal dashes and spaces). **TMD will use the ship-to plant's D-U-N-S Number**.	X AN 2/80
N105	706	Entity Relationship Code **Not used**.	O ID 2/2
N106	98	Entity Identifier Code **Not used.**	O ID 2/3

Ship from example: N1*SF**1*999999999*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N101	98	Entity Identifier Code (MI = Planning Schedule/Material Release Issuer, SF Ship From, SI Shipping Schedule Issuer, ST Ship To, SU Supplier/Manufacturer). **TMD will use "SF**".	M ID 2/3
N102	93	Name. Freeform name. **Not used.**	X AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). Can contain '92' for mutually defined**. TMD Will use "1"** (D-U-N-S Number, Dun & Bradstreet).	X ID 1/2
N104	67	Identification Code Code identifying a party or other code (Suppress internal dashes and spaces). **TMD will use the ship-from plant's D-U-N-S Number**.	X AN 2/80
N105	706	Entity Relationship Code **Not used**.	O ID 2/2
N106	98	Entity Identifier Code **Not used.**	O ID 2/3

End of Heading Level:

Detail Level:

Segment: LIN Item Identification
Level: Detail
Loop: LIN **Repeat:** 10000
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
Semantic: 1 LIN01 is the line item identification

Example: LIN**BP*F2UP 17A301 AA*PO*FE 621563

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
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). Product/service ID qualifier. This will be "BP" (buyer's part number).	M ID 2/2
LIN03	234	Product/Service ID (part number).	M AN 1/48
LIN04	235	Product/Service ID Qualifier This will be "PO" (purchase order number).	X ID 2/2
LIN05	234	Product/Service ID Identifying number for a product or service. This will be the TMD purchase order number.	X AN 1/48

(LIN06 through LIN31 provide for 13 additional pairs of data elements 235 and 234.)

Segment: UIT Unit Detail
Level: Detail
Loop: LIN
Usage: Mandatory
Max Use: 1
Purpose: To specify item unit data

Example: UIT*PC*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
UIT01	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 as specified in the Planning Schedule Transaction Set (830). . A code from the ANSI unit of measure table.	M ID 2/2
UIT02	212	Unit Price. **Not Used**. Price per unit of product, service, commodity, etc.	X R 1/17
UIT03	639	Basis of Unit Price Code. **Not Used**. Code identifying the type of unit price for an item.	O ID 2/2

Segment: FST Forecast Schedule
Level: Detail
Loop: LIN/FST **Repeat:** 100
Usage: Optional
Max Use: 1
Purpose: To specify the forecasted dates and quantities

Example:
FST*2000*C*D*19971006
FST*2000*C*D*19971007
FST*2000*C*D*19971008
FST*2100*C*D*19971009
FST*2225*C*D*19971010
.
.
FST*2225*C*D*19971019

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
FST01	380	Quantity If the JIT segment is used, then this must equal the sum of all JIT requirements for the period covered by the FST segment.	M R 1/15
FST02	680	Forecast Qualifier Code specifying the sender's confidence level of the forecast data or an action associated with a forecast. This will be "**C**" (firm).	M ID 1/1
FST03	681	Forecast Timing Qualifier Code specifying interval grouping of the forecast. This will be "D" (discrete).	M ID 1/1
FST04	373	Date Date expressed as CCYYMMDD.	M DT 8/8
FST05	373	Date **Not used**.	O DT 8/8
FST06	374	Date/Time Qualifier This will be "010" (Requested Ship). **Not used.**	X ID 3/3

FST07 337	Time. **Not Used**.	X TM 4/8
FST08 128	Reference Identification Qualifier. **Not used**.	X ID 2/3
FST09 127	Reference Identification. **Not used**.	AN 1/30 X
FST10 783	Planning Schedule Type Code. **Not used**.	O ID 2/2

Segment: SHP Shipped/Received Information
Level: Detail
Loop: LIN/SHP **Repeat:** 10
Usage: Optional
Max Use: 1
Purpose: To specify shipment and/or receipt information.

Comments: A The SHP segment is used to communicate shipment, delivery, or receipt information and may include discrete or cumulative quantities, dates, and times.

B If SHP01 equals "02", (indicating cumulative quantities), then SHPIP03 will be "50' "Received" and SHP04 will be the Last Receipt Date.

Notes: This segment is used to give information on the last shipment either received/shipped and/or the cumulative quantity received/shipped to date.

TMD will send two types of SHP segments. One "Last Receipt" and a second for "Cum Receipts".

Last Receipt = the last 3 shipments actually received into "Goods Receiving" by TMD.

Cum Receipts = all receipts to date.

Note: TMD will send both the "01" and "02" SHP segments. The "01" segment contains the discrete quantity information from the last ASN. The "02" segment contains the cumulative quantity as of the last receipt.

TMD will send four SHP segments (three '01' and one '02').

Example:

SHP*__**01**__*999*011*19970803 (net quantity from the most recent ASN)
SHP*__**01**__*999*011*19970810 (net quantity from the 2nd most recent ASN)
SHP*__**01**__*999*011*19970817 (net quantity from the 3rd most recent ASN)
(and the associated ASN numbers in REF segments)
and
SHP*__**02**__*999*050*19970803 (cumulative quantity received)
Note: If SHP02 = '0', then SHP03 and SHP04 will not be sent.
(ex- SHP*__**02**__*0)

Example: SHP*__01__*500*50*19970803 (discrete received (net quantity from most recent ASN))

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
SHP01	673	Quantity Qualifier (from the most recent ASN) Code specifying the type of quantity. This will be "01" (Discrete Quantity). (The discrete quantity from the last ASN)	O ID 2/2
SHP02	380	Quantity Numeric value of quantity. Quantity of last ASN for this part actually received into Goods Receiving.	X R 1/15
SHP03	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. When SHP01 = 01: 011 = Shipped 050 = Received TMD will use **"011**".	X ID 3/3
SHP04	373	Date (CCYYMMDD). Contains the ship date from the most recent ASN received into Goods Receiving.	X DT 8/8
SHP05	337	**Not used**.	
SHP06	373	**Not used**.	
SHP07	337	**Not used**.	

Segment: REF Reference Identification
Level: Detail
Usage: Optional
Max Use: 12
Loop: LIN/SHP
Purpose: To specify identifying information
Notes: Used to qualify data in the preceding SHP segment. Used to convey the shipment ID (ASN) number associated with the quantity in the SHP segment. When used, there will be only one "REF" segment per LIN, and it will always follow the "SHP*01" segment.

Example: REF*SI*156104*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
REF01	128	Reference Identification Qualifier (from the most recent ASN) This will be "**SI"** Shipper's Identifying Number for Shipment (SID).	M ID 2/3
REF02	127	Reference Identification The last ASN number received.	X AN 1/30
REF03	352	Description **Not used.**	X AN 1/80
REF04	C040	Reference Identifier **Not used.**	O

Segment: SHP Shipped/Received Information
Level: Detail
Loop: LIN/SHP **Repeat:** 10
Usage: Optional
Max Use: 1
Purpose: To specify shipment and/or receipt information.

Example: SHP***01****575*011*19970803 (discrete received (net quantity from second most recent ASN)).

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
SHP01	673	Quantity Qualifier (from the 2nd most recent ASN) Code specifying the type of quantity. This will be "01" (Discrete Quantity). (The discrete quantity from the last ASN)	O ID 2/2
SHP02	380	Quantity Numeric value of quantity. Quantity of last ASN for this part actually received into Goods Receiving.	X R 1/15
SHP03	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. When SHP01 = 01: 011 = Shipped 050 = Received TMD will use **"011**".	X ID 3/3
SHP04	373	Date (CCYYMMDD). Contains the ship date from the 2nd most recent ASN received into Goods Receiving.	X DT 8/8
SHP05	337	**Not used**.	
SHP06	373	**Not used**.	
SHP07	337	**Not used**.	

Segment: REF Reference Identification
Level: Detail
Usage: Optional
Max Use: 12
Loop: LIN/SHP
Purpose: To specify identifying information
Notes: Used to qualify data in the preceding SHP segment. Used to convey the shipment ID (ASN) number associated with the quantity in the SHP segment. When used, there will be only one "REF" segment per LIN, and it will always follow the "SHP*01" segment.

Example: REF*SI*156104*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
REF01	128	Reference Identification Qualifier (from the 2nd most recent ASN) This will be "**SI"** Shipper's Identifying Number for Shipment (SID).	M ID 2/3
REF02	127	Reference Identification The last ASN number received.	X AN 1/30
REF03	352	Description **Not used.**	X AN 1/80
REF04	C040	Reference Identifier **Not used.**	O

Segment: SHP Shipped/Received Information
Level: Detail
Loop: LIN/SHP **Repeat:** 10
Usage: Optional
Max Use: 1
Purpose: To specify shipment and/or receipt information.

Example: SHP***01****600*011*19970803 (discrete received (net quantity from 3rd most recent ASN)).

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
SHP01	673	Quantity Qualifier (from the 3rd most recent ASN) Code specifying the type of quantity. This will be "01" (Discrete Quantity). (The discrete quantity from the last ASN)	O ID 2/2
SHP02	380	Quantity Numeric value of quantity. Quantity of last ASN for this part actually received into Goods Receiving.	X R 1/15
SHP03	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. When SHP01 = 01: 011 = Shipped 050 = Received TMD will use **"011**".	X ID 3/3
SHP04	373	Date (CCYYMMDD). Contains the ship date from the 3rd most recent ASN received into Goods Receiving.	X DT 8/8
SHP05	337	**Not used**.	
SHP06	373	**Not used**.	
SHP07	337	**Not used**.	

Segment: REF Reference Identification
Level: Detail
Usage: Optional
Max Use: 12
Loop: LIN/SHP
Purpose: To specify identifying information
Notes: Used to qualify data in the preceding SHP segment. Used to convey the shipment ID (ASN) number associated with the quantity in the SHP segment. When used, there will be only one "REF" segment per LIN, and it will always follow the "SHP*01" segment.

Example: REF*SI*156104*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
REF01	128	Reference Identification Qualifier (from the 3rd most recent ASN) This will be "**SI"** Shipper's Identifying Number for Shipment (SID).	M ID 2/3
REF02	127	Reference Identification The last ASN number received.	X AN 1/30
REF03	352	Description **Not used.**	X AN 1/80
REF04	C040	Reference Identifier **Not used.**	O

Segment: SHP Shipped/Received Information
Level: Detail
Loop: LIN/SHP **Repeat:** 10
Usage: Optional
Max Use: 1
Purpose: To specify shipment and/or receipt information.

Example: SHP*02*999*050*19970803 (cumulative quantity received)

Note: If SHP02 = '0', then SHP03 and SHP04 will not be sent.
(ex- SHP*02*0)

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
SHP01	673	Quantity Qualifier Code specifying the type of quantity. This will be "02" (Cum Quantity). (Cumulative quantity received)	O ID 2/2
SHP02	380	Quantity Numeric value of quantity.	X R 1/15
SHP03	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. When SHP01 = 01: 011 = Shipped 050 = Received TMD will use **"050"**.	X ID 3/3
SHP04	373	Date (CCYYMMDD). Contains the date from the last ASN received into Goods Receiving.	X DT 8/8
SHP05	337	**Not used**.	
SHP06	373	**Not used.**	
SHP07	337	**Not used**.	

Segment: CTT Transaction Totals
Level: Summary
Loop: ____
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Comments: A This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes: Number of line items (CTT01) is the accumulation of the number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (FST01) for each FST segment. This segment is intended to provide hash totals to validate transaction completeness and correctness.

Example: CTT*2*580626*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
CTT01	354	Number of Line Items	M N0 1/6
CTT02	347	Hash Total Hash total of quantities release (FST01). 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. The sum of the values of the quantities (FST01) for each FST segment. 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.	O R 1/10
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

Ref. Des.	Data Element	Name	Attributes
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: 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*1*000000001*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
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 Shipping Schedule (862):

ISA*00* *00* *ZZ*608144630TMD *01*009999999 *041013*0949*U*00401*000000477*0*P*:?
GS*SS*608144630TMD*009999999*20041013*0949*477*X*004010?
ST*862*4770007?
BSS*05*0249*20041013*SH*20041014*20050412*0249**C400884**A?
N1*MI*TOLEDO MOLDING & DIE, INC.*1*608144630?
N1*ST**1*608144630?
N1*SF**1*009999999?
LIN**BP*B12345AC*PO*4009999?
UIT*EA?
FST*10560*C*D*20041015?
FST*10560*C*D*20041018?
FST*10560*C*D*20041019?
SHP*01*21480*050*20041012?
REF*SI*525488?
SHP*01*11448*011*20041008?
REF*SI*525443?
SHP*01*21120*011*20041006?

REF*SI*525307?
SHP*02*1292513*050*20041012?
CTT*1*31680?
SE*19*4770007?
GE*58*477?
IEA*1*000000477?