

**Ship Notice/Manifest (856)  
(Advance Ship Notice)  
Version 004010**

**Functional Group = SH**

<u>Seg.</u>	<u>Ele.</u>	<u>Name</u>	<u>M/O</u>	<u>Type</u>	<u>Ele. Size</u>	<u>Values/Description</u>
<b>BSN</b>		<b>Beg Segment for Ship Notice</b>	<b>M</b>			
	01	Transaction Set Purpose Code	M	ID	2/2	'00' – Original
	02	Shipment ID	M	AN	2/30	
	03	Date	M	DT	8/8	
	04	Time	M	TM	4/8	
	05	Hierarchical Structure Code	O	ID	4/4	'0001' – Ship, Order, Packaging, Item '0002' – Ship, Order, Item, Packaging
Example BSN: <b>BSN*00*123456789*20020128*1009*0001~</b>						
<b>HL</b>		<b>Hierarchical Level for <span style="color:red">Shipment</span></b>	<b>M</b>			
	01	Hierarchical Identity Number	M	AN	1/12	'1'
	03	Hierarchical Level	M	ID	1/2	'S'
Example HL: <b>HL*1**S~</b>						
<b>TD1</b>		<b>Carrier Details</b>	<b>O</b>			
	01	Packaging Code	O	AN	3/5	1 <sup>st</sup> 3 bytes at ship level 'PLT' – for palletized 'CTN' – carton/container  Last 2 bytes: '94' – Wood '79' – Plastic '31' – Fiber '58' – Metal '71' – Not otherwise specified # pallets (or shipping containers comprising shipment 'G' – Gross Weight
	02	Lading Quantity	C	N0	1/7	
	06	Weight Qualifier	O	ID	1/2	
	07	Weight	C	R	1/10	
	08	Unit of Measure	C	ID	2/2	'LB' – Pounds
Example TD1: <b>TD1*PLT94*8****G*1294*LB~</b>						

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<b>TD5</b>		<b>Carrier Details – Routing Sequence/Transit Time</b>	<b>O</b>			
	01	Routing Sequence Code	O	ID	1/2	‘B’ – Origin Carrier ‘O’ – Origin Carrier – Air/Motor/Ocean
	02	ID Code Qualifier	C	ID	1/2	‘2’ – SCAC ‘91’ – Seller Assigned ‘92’ – Buyer Assigned
	03	ID Code	C	AN	2/80	Appropriate value for qualifier
	04	Transportation Method	C	ID	1/2	Possible Values: ‘M’ – Motor ‘A’ – Air ‘R’ – Rail ‘S’ – Ocean etc.
	05	Routing	C	AN	1/35	Carrier Name
	06	Ship Order Status	C	ID	2/2	Codes Include: ‘BK’ – Back Order from Previous Order ‘CC’ – Ship Complete on (date) ‘CS’ – Ship complete with Subs. ‘DE’ – Deleted Order ‘PR’ – Partial Shipment ‘CL’ – Complete
	07	Location Qualifier	O	ID	1/2	Codes Include: ‘PA’ – Port of Arrival ‘PB’ – Port of Discharge ‘PE’ – Port of Entry
	08	Location ID	C	AN	1/30	Use US Census Sched. D
	10	Transit Time Direction Qual.	O	ID	2/2	Codes Include: ‘CD’ – Calendar Days ‘HO’ – Hours
	11	Transit Time	C	R	1/4	Time from Ship date in DTM
	12	Service Level Code	C	ID	2/2	Codes Include: ‘DS’ = Door Service ‘ND’ – Next Day Air ‘PB’ – Priority Mail etc.

Example TD5: **TD5\*B\*2\*YFSY\*M\*YELLOW FREIGHT\*CL\*\*\*\*CD\*2\*DS~**

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<b>TD3</b>		<b>Carrier Details Equipment</b>	<b>O</b>			
	01	Equipment Description Code	C	ID	2/2	Codes Include: 'CZ' – Refrig. Container 'RT' – Controlled Temp Trailer (Reefer) 'TL' – Trailer 'CN' – Container 'FT' – Flat Bed Could be SCAC code Natl. Motor Frt. Assoc. Inc. Actual # of Equipment used
	02	Equipment Initial	O	AN	1/4	
	03	Equipment Number	C	AN	1/10	
		Example TD3: <b>TD3*RT*YFSY*20392~</b>				
<b>REF</b>		<b>Reference Identification</b>	<b>M</b>			
	01	Reference ID Qual.	M	ID	2/3	Codes Include: 'BM' – Bill of Lading 'MB' – Master Bill of Lading 'ZZ' – UCC Bill of Lading
	02	Reference ID	C	AN	1/30	
		Example REF: <b>REF*BM*1329~</b>				
<b>REF</b>		<b>Reference Identification</b>	<b>O</b>			
	01	Reference ID Qual.	M	ID	2/3	'AO' – Receivers Appt. #
	02	Reference ID	C	AN	1/30	
		Example REF: <b>REF*AO*1421~</b>				
<b>DTM</b>		<b>Date/Time Reference</b>	<b>O</b>			
	01	Date/Time Qualifier	M	ID	3/3	Codes Include: '011' – Shipped Date '068' – Curr. Sched. Ship
	02	Date	C	DT	8/8	
	03	Time	C	TM	4/8	
		Example DTM: <b>DTM*011*20020131*0755~</b>				

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<b>DTM</b>		<b>Date/Time Reference</b>	<b>O</b>			
	01	Date/Time Qualifier	M	ID	3/3	Codes Include: '017' – Estimated Delivery Date '067' – Curr. Sched. Delivery
	02	Date	C	DT	8/8	
	03	Time	C	TM	4/8	

Example DTM: **DTM\*017\*20020211\*0755~**

<b>N1</b>		<b>Name</b>	<b>M</b>			
	01	Entity ID Code	M	ID	2/3	'SF' – Ship From
	02	Name	C	AN	1/60	
	03	ID Qualifier	C	ID	1/2	'9' – DUNS + 4
	04	ID Code	C	AN	1/80	

Example N1: **N1\*SF\*ACME INC. \*9\*1234567891234~**

<b>N2</b>		<b>Additional Name Information</b>	<b>O</b>			
	01	Name	M	AN	1/60	
	02	Name	O	AN	1/60	

Example N2: **N2\*ACME FOOD DIVISION\*WEST REGION DISTRIBUTION CENTER~**

<b>N3</b>		<b>Address Information</b>	<b>O</b>			
	01	Address Information	M	AN	1/55	
	02	Address Information	O	AN	1/55	

Example N3: **N3\*1409 WEST POLK AVE.~**

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<b>N4</b>		<b>Geographic Information</b>	<b>M</b>			
	01	City	C	AN	2/30	
	02	State/Province	C	ID	2/2	
	03	Postal Code	O	ID	3/15	
	04	Country Code	C	ID	2/3	
	05	Location Qualifier	C	ID	1/2	Codes Include: 'D' – Census Sched. D 'IA' – Int. Air Trans. Assoc. Location Qualifier 'K' – Census Schedule K 'W' – Worldwide Geographic Code
	06	Location ID	O	AN	1/30	

Example N4: **N4\*SAN ANTONIO\*TX\*78204\*US~**

<b>N1</b>		<b>Name</b>	<b>M</b>			
	01	Entity ID Code	M	ID	2/3	Codes Include: 'ST' – Ship To
	02	Name	C	AN	1/60	
	03	ID Qualifier	C	ID	1/2	Codes Include: '9' – DUNS + 4
	04	ID Code	C	AN	1/80	Note: For Shipments to HEB warehouse, the +4 will be the Warehouse # followed by a trailing zero.

Example N1: **N1\*ST\*HE BUTT GROC. CO\*9\*0079247562030~**

<b>N2</b>		<b>Additional Name Information</b>	<b>O</b>			
	01	Name	M	AN	1/60	
	02	Name	O	AN	1/60	

Example N2: **N2\*GROCERY WAREHOUSE~**

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<b>N3</b>		<b>Address Information</b>	<b>O</b>			
	01	Address Information	M	AN	1/55	
	02	Address Information	O	AN	1/55	

Example N3: **N3\*4700 PAN AM EXPRESSWAY\*DRY GROCERY~**

<u>Seg.</u>	<u>Ele.</u>	<u>Name</u>	<u>M/O</u>	<u>Type</u>	<u>Ele. Size</u>	<u>Values/Description</u>
<b>N4</b>		<b>Geographic Information</b>	<b>M</b>			
	01	City	C	AN	2/30	
	02	State/Province	C	ID	2/2	
	03	Postal Code	O	ID	3/15	
	04	Country Code	C	ID	2/3	
	05	Location Qualifier	C	ID	1/2	
	06	Location ID	O	AN	1/30	

Codes Include:  
 'D' – Census Sched. D  
 'IA' – Int. Air Trans. Assoc.  
           Location Qualifier  
 'K' – Census Schedule K  
 'W' – Worldwide Geographic  
           Code

Example N4: **N4\*SAN ANTONIO\*TX\*782118\*US~**

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<b>Hierarchy and Segments for Order Level</b>						
<b>HL</b>	<b>Hierarchical Level</b>		<b>M</b>			
	01	Hierarchical ID Number	M	AN	1/12	Proper Hierarchy Level
	02	Hierarchical Parent ID Number	O	AN	1/12	Actual Parent Hierarchy
	03	Hierarchical Level Code	M	ID	1/2	'O' – Order Level
	Example HL: <b>HL*3*2*O~</b>					
<b>PRF</b>	<b>Purchase Order Reference</b>		<b>M</b>			
	01	Purchase Order Number	M	AN	1/22	
	02	Release Number	O	AN	1/30	Release against PO number
	04	Date	O	DT	8/8	
	Note: UCS does not use PRF05 or PRF06					
	Example PRF: <b>PRF*62X123456*0001**20020202~</b>					
<b>TD1</b>	<b>Carrier Details</b>		<b>O</b>			
	01	Packaging Code	O	AN	3/5	1 <sup>st</sup> 3 bytes at ship level 'PLT' – for palletized 'CTN' – carton/container
						Last 2 bytes: '94' – Wood '79' – Plastic '31' – Fiber '58' – Metal '71' – Not otherwise specified
	02	Lading Quantity	C	N0	1/7	# pallets (or shipping containers comprising shipment
	06	Weight Qualifier	O	ID	1/2	'G' – Gross Weight
	07	Weight	C	R	1/10	
	08	Unit Of Measure	C	ID	2/2	'LB' – Pounds
	09	Volume	C	R	1/8	Gross Volume
	10	Unit of Measure	C	ID	2/2	'CF' = Cubic Feet
	Example TD1: <b>TD1*PLT94*8****G*1294*LB*2034*CF~</b>					

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<b>TD5</b>		<b>Carrier Details – Routing Sequence/Transit Time</b>	<b>O</b>			
	06	Ship Order Status	C	ID	2/2	Codes Include: 'BK' – Back Order from Previous Order 'BP' – Ship Partial, Back Order on (Date) 'CC' – Ship Complete on (date) 'CS' – Ship complete with Subs. 'DE' – Deleted Order 'PR' – Partial Shipment 'CL' – Complete 'SS' – Split Shipment 'CM' – Shipment complete with additional Quantity 'DS' = Door Service 'ND' – Next Day Air 'PB' – Priority Mail etc.

**Example TD5: TD5\*\*\*\*\*CL~**

<b>REF</b>	<b>Reference Identification</b>	<b>O</b>				
01	Reference ID Qualifier	M	ID	2/3		'IV' – Sellers Invoice #
02	Reference Number	C	AN	1/30		Number as Qualified in 01

**Example REF: REF\*IV\*938291~**

<b>REF</b>	<b>Reference Identification</b>	<b>O</b>				
01	Reference ID Qualifier	M	ID	2/3		'VN' – Vendor Order Number
02	Reference Number	C	AN	1/30		Number as Qualified in 01

**Example REF: REF\*VN\*A12-392~**

<b>REF</b>	<b>Reference Identification</b>	<b>O</b>				
01	Reference ID Qualifier	M	ID	2/3		'6B' – US Customs Entry #
02	Reference Number	C	AN	1/30		Number as Qualified in 01

**Example REF: REF\*6B\*92912013~**



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<b>DTM</b>		<b>Date/Time Reference</b>	<b>O</b>			
	01	Date/Time Qualifier	M	ID	3/3	Codes Include: '371' – Est. Arrival Date (only for multi-stop loads)
	02	Date	C	DT	8/8	
	03	Time	C	TM	4/8	
Example DTM: <b>DTM*272*20020204*0817~</b>						
<b>N1</b>		<b>Name</b>	<b>O</b>			
	01	Entity ID Code	M	ID	2/3	'BY' – Buying Party  '9' – DUNS + 4 For shipments to Whs, the + 4 of DUNS will be warehouse ID followed by trailing zero.
	02	Name	C	AN	1/60	
	03	ID Qualifier	C	ID	1/2	
	04	ID Code	C	AN	1/80	
Example N1: <b>N1*BY*HEB GROCERY*9*0079247562070~</b>						
<b>N2</b>		<b>Additional Name Information</b>	<b>O</b>	<b>up to 2</b>		
	01	Name	M	AN	1/60	
	02	Name	O	AN	1/60	
Example N2: <b>N2*ATTN: Receiving Clerk~</b>						
<b>N3</b>		<b>Address Information</b>	<b>O</b>			
	01	Address Information	M	AN	1/55	
	02	Address Information	O	AN	1/55	
Example N3: <b>N3*4700 PAN AM EXPY~</b>						

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<b>N4</b>		<b>Geographic Information</b>	<b>O</b>			
	01	City	C	AN	2/30	
	02	State/Province	C	ID	2/2	
	03	Postal Code	O	ID	3/15	
	04	Country Code	C	ID	2/3	
	05	Location Qualifier	C	ID	1/2	Codes Include: 'D' – Census Sched. D 'IA' – Int. Air Trans. Assoc. Location Qualifier 'K' – Census Schedule K 'W' – Worldwide Geographic Code
	06	Location ID	O	AN	1/30	

Example N4: **N4\*SAN ANTONIO\*TX\*78218\*US~**

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<b>Hierarchy and Segments for Tare/Pallet Level</b>						
<b>HL</b>	<b>Hierarchical Level</b>		<b>M</b>			
	01	Hierarchical ID Number	M	AN	1/12	Proper Hierarchy Level
	02	Hierarchical Parent ID Number	O	AN	1/12	Actual Parent Hierarchy
	03	Hierarchical Level Code	M	ID	1/2	'T' - Tare Level
	Example HL: <b>HL*4*3*T~</b>					
<b>MAN</b>	<b>Marks and Numbers</b>		<b>O</b>			
	01	Marks and Numbers Qualifier	M	ID	2/2	Codes Include: 'GM' - SSCC-18 + UCC Application ID
	02	Marks and Numbers	M	AN	1/48	
	Example MAN: <b>MAN*GM*00123456789123456789~</b>					
<b>PAL</b>	<b>Pallet Information</b>		<b>O</b>			
	01	Pallet Type Code	O	ID	1/2	Codes Include: '1' - Aluminum '2' - As specified by DOT '3' - Metal '4' - Standard '5' - Steel '6' - Wood '7' - Slip Sheet
	02	Pallet Tiers	O	N0	1/3	# of layers per pallet
	03	Pallet Blocks	O	N0	1/3	# of cartons per layer
	04	Pack	O	N0	1/5	# inner containers/eaches per container
	05	Unit Weight	C	R	1/8	Weight per Unit
	06	Unit/Basis for Measurement Code	C	ID	2/2	Type of Weight (lbs/kilos)
	07	Length	C	R	1/8	
	08	Width	C	R	1/8	
	09	Height	C	R	1/8	
	10	Unit/Basis for Measurement Code	C	ID	2/2	UOM for Length/Width/Height
	11	Gross Weight per Pack	C	R	1/9	
	12	Unit/Basis for Measurement Code	C	ID	2/2	UOM for Pack Weight
	13	Gross Volume per Pack	C	R	1/9	

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	14	Unit/Basis for Measurement Code	C	ID	2/2	UOM for Pack Volume
	15	Pallet Exchange Code	O	ID	1/1	Codes Include: '1' – No exchange/No return '2' – Exchange Pallets '3' – Return Pallets '4' – Pallets to be purchased by Customer '5' – 3 <sup>rd</sup> Party Pallet Exchange

Example PAL: PAL\*6\*3\*4\*12\*32\*LB\*4\*6\*3\*FT\*344\*LB\*140\*CF\*2~

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<b>Hierarchy and Segments for Pack Level</b>						
<b>HL</b>		<b>Hierarchical Level</b>	<b>M</b>			
	01	Hierarchical ID Number	M	AN	1/12	Proper Hierarchy Level
	02	Hierarchical Parent ID Number	O	AN	1/12	Actual Parent Hierarchy
	03	Hierarchical Level Code	M	ID	1/2	'P' - Pack Level

Example HL: **HL\*5\*4\*P~**

<b>LIN</b>		<b>Item Identification</b>	<b>M</b>			<b>At Pack Level, identifies the UPC Case Code, or the UPC Ship Container Code SCC-14</b>
	02	Product/Service ID Qualifier	M	ID	2/2	Codes include: 'UA' – UPC/EAN Case Code (2-5-5) 'UK' – UPC/EAN Shipping Container Code (1-2-5-5-1)
	03	Product Service ID	M	AN	1/48	Appropriate ID
	04	Product/Service ID Qualifier	C	ID	2/2	'LT' – Lot Number
	05	Product Service ID	C	AN	1/48	Appropriate ID
	06	Product Service ID Qualifier	C	ID	2/2	'PJ' – Product Date Code
	07	Product Service ID	C	AN	1/48	Appropriate ID
	08	Product Service ID Qualifier	C	ID	2/2	Valid Qualifier
	09	Product Service ID	C	AN	1/48	Appropriate ID

Example LIN: **LIN\*\*LT\*12345\*UK\*10012345123459\*PJ\*20020219~**

<b>SN1</b>		<b>Item Detail (Shipment)</b>	<b>M</b>			
	02	Number of Units Shipped	M	R	1/10	# of units of item in LIN segment
	03	Unit /Basis of Measurement Code	M	ID	2/2	'CA' – cases at this level

Example SN1: **SN1\*\*19\*CA~**

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<b>PO4</b>		<b>Item Physical Details</b>	<b>O</b>			
	01	Pack	O	N0	1/6	
	06	Gross Weight per Pack	C	R	1/9	Weight of Pack Level container 'LB'
	07	Unit/Basis for Measurement Code	C	ID	2/2	
	10	Length	C	R	1/8	
	11	Width	C	R	1/8	
	12	Height	C	R	1/8	
	13	Unit/Basis for Measurement Code	C	ID	2/2	'FT', 'IN', etc.
	14	Inner Pack	O	N0	1/6	

Example PO4: **PO4\*4\*\*\*\*\*100\*LB\*\*\*8.50\*11\*15\*IN\*2~**

<b>MAN</b>		<b>Marks and Numbers</b>	<b>O</b>	<b>&gt;=1</b>		Mandatory if UCC-128 labeling is at pack level.
	01	Marks and Numbers Qualifier	M	ID	2/2	Codes Include: 'GM' – SSCC-18 + UCC Application ID 'UC' – UPC Shipping Container Code
	02	Marks and Numbers	M	AN	1/48	

Example MAN: **MAN\*GM\*00123456789123456789~**

<b>DTM</b>		<b>Date/Time Reference</b>	<b>O</b>	<b>1</b>		
	01	Date/Time Qualifier	M	ID	3/3	Codes Include: '036' – Expiration
	02	Date	C	DT	8/8	

Example DTM: **DTM\*036\*20070531~**

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<b>Hierarchy and Segments for Item Level</b>						
<b>HL</b>	<b>Hierarchical Level</b>		<b>M</b>			
	01	Hierarchical ID Number	M	AN	1/12	Proper Hierarchy Level
	02	Hierarchical Parent ID Number	O	AN	1/12	Actual Parent Hierarchy
	03	Hierarchical Level Code	M	ID	1/2	'I' - Pack Level

Example HL: **HL\*5\*4\*I~**

<b>LIN</b>	<b>Item Identification</b>		<b>M</b>			<b>At Item Level, identifies the UPC Code, and possibly Vendor's or HEB's code for the item.</b>
	02	Product/Service ID Qualifier	M	ID	2/2	'UP' – UPC code (1-5-5-1)
	03	Product Service ID	M	AN	1/48	Appropriate ID
	04	Product/Service ID Qualifier	C	ID	2/2	'IN' – Buyers Item Number
	05	Product Service ID	C	AN	1/48	Appropriate ID
	06	Product Service ID Qualifier	C	ID	2/2	'VN' – Vendors Item Number
	07	Product Service ID	C	AN	1/48	Appropriate ID
	08	Product Service ID Qualifier	C	ID	2/2	'UA' – UPC/EAN Case Code (2-5-5) 'UK' – UPC/EAN Shipping Container Code (1-2-5-5-1)
	09	Product Service ID	C	AN	1/48	Appropriate ID

Example LIN: **LIN\*\*UP\*012345123451\*UK\*10012345123459\*VN\*01392\*IN\*349820~**

<b>SN1</b>	<b>Item Detail (Shipment)</b>		<b>O</b>			
	02	Number of Units Shipped	M	R	1/10	# of units of item in LIN segment
	03	Unit /Basis of Measurement Code	M	ID	2/2	'EA' – units/eaches
	04	Quantity Shipped to Date	O	R	1/15	
	05	Quantity Ordered	C	R	1/15	
	06	Unit/Basis of Measurement Code	C	ID	2/2	

Example SN1: **SN1\*\*16\*EA\*24\*50\*EA~**

**Ship Notice/Manifest (856)  
(Advance Ship Notice)  
Version 004010**

**Functional Group = SH**

<u>Seg.</u>	<u>Ele.</u>	<u>Name</u>	<u>M/O</u>	<u>Type</u>	<u>Ele. Size</u>	<u>Values/Description</u>
<b>PO4</b>		<b>Item Physical Details</b>	<b>M</b>			<b>Specifies Packaging of Item In container</b>
	01	Pack	O	N0	1/6	
	02	Size	C	R3	1/8	
	03	Unit/Basis for Measurement Code	C	ID	2/2	
	05	Weight Qualifier	O	ID	1/2	
	06	Gross Weight per Pack	C	R	1/9	Weight of Item container
	07	Unit/Basis for Measurement Code	C	ID	2/2	'LB'
	08	Gross Volume per Pack	C	R	1/9	
	09	Unit/Basis for Measurement Code	C	ID	2/2	# of eaches within inner container
	14	Inner Pack	O	N0	1/6	

Example PO4: **PO4\*4\*\*\*\*\*100\*LB\*120\*CF\*\*\*\*\*2~**

<b>PID</b>		<b>Product/Item Description</b>	<b>O</b>			
	01	Item Description Type	M	ID	1/1	Codes Include 'S' – Structured 'F' – Free form 'X' – Semi-structured (code and text)
	05	Description	C	AN	1/80	Actual Description

Example PID: **PID\*F\*\*\*\*\*THIS IS THE DESCRIPTION~**

<b>REF</b>		<b>Reference Identification</b>	<b>O</b>			
	01	Reference ID Qualifier	M	ID	2/3	'SE' – Serial Number
	02	Reference Number	C	AN	1/30	Number as Qualified in 01

Example REF: **REF\*SE\*A3829L0123~**

<b>DTM</b>		<b>Date/Time Reference</b>	<b>O</b>	<b>1</b>		
	01	Date/Time Qualifier	M	ID	3/3	Codes Include: '036' – Expiration '510' – Date Packed '511' – Shelf Life Expiration
	02	Date	C	DT	8/8	

Example DTM: **DTM\*036\*20020228~**



**Ship Notice/Manifest (856)  
 (Advance Ship Notice)  
 Version 004010  
 Functional Group = SH**

<u>Seg.</u>	<u>Ele.</u>	<u>Name</u>	<u>M/O</u>	<u>Type</u>	<u>Ele. Size</u>	<u>Values/Description</u>
<b>SUMMARY LEVEL OF DOCUMENT</b>						
<b>CTT</b>		<b>Transaction Totals</b>	<b>O</b>	<b>1</b>		<b>Summarizes Transaction</b>
	01	Number of Line Items	M	N0	1/6	# of HLs in Transaction Set