



# Ship Notice/Manifest

Functional Group=SH

## Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
020	BSN	Beginning Segment for Ship Notice	M	1			Must use

## Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - HL</b>		<b>SHIP</b>			<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
110	TD1	Carrier Details (Quantity and Weight)	O	20			Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
130	TD3	Carrier Details (Equipment)	O	12			Used
150	REF	Reference Identification	O	>1			Used
200	DTM	Date/Time Reference	O	10			Used
<b>LOOP ID - HL/N1</b>					<b>200</b>		
220	N1	Name	O	1			Used
240	N3	Address Information	O	2			Used
250	N4	Geographic Location	O	1			Used
<b>LOOP ID - HL</b>		<b>ORDER</b>			<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
050	PRF	Purchase Order Reference	O	1			Used
<b>LOOP ID - HL</b>		<b>TARE</b>			<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
190	MAN	Marks and Numbers	O	>1			Used
215	PAL	Pallet Information	O	1			Used
<b>LOOP ID - HL</b>		<b>PACK</b>			<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
020	LIN	Item Identification	O	1			Used
030	SN1	Item Detail (Shipment)	O	1			Used
190	MAN	Marks and Numbers	O	>1			Used
200	DTM	Date/Time Reference	O	10			Used
<b>LOOP ID - HL</b>		<b>ITEM (Optional Loop)</b>			<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
020	LIN	Item Identification	O	1			Used
030	SN1	Item Detail (Shipment)	O	1			Used

## Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		N3/010	Used

# BSN Beginning Segment for Ship Notice

Pos: 020 Max: 1  
 Heading - Mandatory  
 Loop: N/A Elements: 5

User Option (Usage): Must use

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN01	353	Transaction Set Purpose Code	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		00            Original				
BSN02	396	Shipment Identification	M	AN	2/30	Must use
BSN03	373	Date	M	DT	8/8	Must use
BSN04	337	Time	M	TM	4/8	Must use
BSN05	1005	Hierarchical Structure Code	O	ID	4/4	Used
		<u>Code</u> <u>Name</u>				
		0001        Shipment, Order, Packaging, Item				
		<i>UCS structure is Shipment, Order, Tare, Pack and Item</i>				

# HL Hierarchical Level (Shipment)

Pos: 010 Max: 1  
 Detail - Mandatory  
 Loop: HL Elements: 3

User Option (Usage): Must use

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Used
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u>				
		S            Shipment				

# TD1 Carrier Details (Quantity and Weight)

Pos: 110 Max: 20  
 Detail - Optional  
 Loop: HL Elements: 2

User Option (Usage): Used

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD101	103	Packaging Code	O	AN	3/5	Used
		<u>Code</u> <u>Name</u>				
		PLT         Pallet				
TD102	80	Lading Quantity = total # of pallets	C	N0	1/7	Must Use

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120 Max: 12  
 Detail - Optional  
 Loop: HL Elements: 3

User Option (Usage): Used

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD502	66	Identification Code Qualifier	C	ID	1/2	Used
		<u>Code</u> <u>Name</u>				
		2            Standard Carrier Alpha Code (SCAC)				
TD503	67	Identification Code	C	AN	2/80	Must Use
TD504	91	Transportation Method/Type Code	C	ID	1/2	Used
		<u>Code</u> <u>Name</u>				
		H            Customer Pickup				
		M            Motor (Common Carrier)				

# TD3 Carrier Details (Equipment)

Pos: 130 Max: 12  
 Detail - Optional  
 Loop: HL Elements: 2

User Option (Usage): Used

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD301	40	Equipment Description Code	C	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		CN           Container				
		TL           Trailer (not otherwise specified)				
TD303	207	Equipment Number	C	AN	1/10	Must Use

# REF Reference Identification

Pos: 150 Max: >1  
 Detail - Optional  
 Loop: HL Elements: 2

User Option (Usage): Used

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		<u>Code</u> <u>Name</u>				
		BM           Bill of Lading Number				
REF02	127	Reference Identification	C	AN	1/30	Must Use

# DTM Date/Time Reference

Pos: 200 Max: 10  
 Detail - Optional  
 Loop: HL Elements: 2

User Option (Usage): Used

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
		<u>Code</u> <u>Name</u>				
		011          Shipped				
DTM02	373	Date	C	DT	8/8	Must Use

**N1****Name**

<b>Pos: 220</b>	<b>Max: 1</b>
Detail - Optional	
<b>Loop:</b>	<b>Elements: 4</b>
HL/N1	

User Option (Usage): Required by Kroger

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		<u>Code</u> <u>Name</u>				
		SF          Ship From				
		ST          Ship To				
N102	93	Name	C	AN	1/60	Used
N103	66	Identification Code Qualifier	C	ID	1/2	Used
		<u>Code</u> <u>Name</u>				
		9            D-U-N-S+4, D-U-N-S Number with Four Character Suffix				
N104	67	Identification Code	C	AN	2/80	Must Use

**N3****Address Information**

<b>Pos: 240</b>	<b>Max: 2</b>
Detail - Optional	
<b>Loop:</b>	<b>Elements: 2</b>
HL/N1	

User Option (Usage): Used

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Must use
N302	166	Address Information	O	AN	1/55	Used

**N4****Geographic Location**

<b>Pos: 250</b>	<b>Max: 1</b>
Detail - Optional	
<b>Loop:</b>	<b>Elements: 3</b>
HL/N1	

User Option (Usage): Used

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
N402	156	State or Province Code	O	ID	2/2	Used
N403	116	Postal Code	O	ID	3/15	Used

**HL****Hierarchical Level (Order)**

<b>Pos: 010</b>	<b>Max: 1</b>
Detail - Mandatory	
<b>Loop: HL</b>	<b>Elements: 3</b>

User Option (Usage): Must use

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Used
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u>				
		O            Order				

# PRF Purchase Order Reference

Pos: 050 Max: 1  
 Detail - Optional  
 Loop: HL Elements: 1

User Option (Usage): Required by Kroger

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF01	324	Purchase Order Number	M	AN	1/22	Must use

# HL Hierarchical Level (Tare)

Pos: 010 Max: 1  
 Detail - Mandatory  
 Loop: HL Elements: 3

User Option (Usage): Must use

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Used
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u>				
		T            Shipping Tare				
		<i>Pallet</i>				

# MAN Marks and Numbers

Pos: 190 Max: >1  
 Detail - Optional  
 Loop: HL Elements: 2

User Option (Usage): Used

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN01	88	Marks and Numbers Qualifier	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u>				
		GM            SSCC-18 and Application Identifier				
MAN02	87	Marks and Numbers	M	AN	1/48	Must use

# PAL Pallet Information

Pos: 215 Max: 1  
 Detail - Optional  
 Loop: HL Elements: 2

User Option (Usage): Used

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PAL02	884	Pallet Tiers	O	N0	1/3	Must Use
PAL03	885	Pallet Blocks	O	N0	1/3	Must Use

# HL Hierarchical Level (Pack)

Pos: 010 Max: 1  
 Detail - Mandatory  
 Loop: HL Elements: 3

User Option (Usage): Must use

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Used
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u>				
		P            Pack				

**LIN Item Identification**

<b>Pos: 020</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: HL</b>	<b>Elements: 2</b>

User Option (Usage): Required by Kroger

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		UA            U.P.C./EAN Case Code (2-5-5)				
LIN03	234	Product/Service ID	M	AN	1/48	Must use

**SN1 Item Detail (Shipment)**

<b>Pos: 030</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: HL</b>	<b>Elements: 2</b>

User Option (Usage): Used

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SN102	382	Number of Units Shipped	M	R0	1/10	Must use
SN103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		CA            Case				

**MAN Marks and Numbers**

<b>Pos: 190</b>	<b>Max: &gt;1</b>
<b>Detail - Optional</b>	
<b>Loop: HL</b>	<b>Elements: 2</b>

User Option (Usage): Used

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MAN01	88	Marks and Numbers Qualifier	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u>				
		UC            U.P.C. Shipping Container Code				
MAN02	87	Marks and Numbers	M	AN	1/48	Must use

**DTM Date/Time Reference**

<b>Pos: 200</b>	<b>Max: 10</b>
<b>Detail - Optional</b>	
<b>Loop: HL</b>	<b>Elements: 2</b>

User Option (Usage): Used

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
		<u>Code</u> <u>Name</u>				
		036          Expiration				
		405          Production				
		511          Shelf Life Expiration				
DTM02	373	Date	C	DT	8/8	Must Use

<b>HL</b>	<b>Hierarchical Level (Item) – Optional Loop</b>	Pos: 010                      Max: 1 Detail – Optional Loop: HL                      Elements: 3
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User Option (Usage): Optional Hierarchical Level

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Used
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u>				
		I                              Item				

<b>LIN</b>	<b>Item Identification</b>	Pos: 020                      Max: 1 Detail - Optional Loop: HL                      Elements: 2
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User Option (Usage): Used

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		UP                              U.P.C. Consumer Package Code (1-5-5-1)				
LIN03	234	Product/Service ID	M	AN	1/48	Must use

<b>SN1</b>	<b>Item Detail (Shipment)</b>	Pos: 030                      Max: 1 Detail - Optional Loop: HL                      Elements: 2
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User Option (Usage): Used

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SN102	382	Number of Units Shipped	M	R0	1/10	Must use
SN103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		EA                              Each				

<b>CTT</b>	<b>Transaction Totals</b>	Pos: 010                      Max: 1 Summary - Optional Loop: N/A                      Elements: 1
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User Option (Usage): Used

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use
		<i>CTT01 contains the number of HL segments present in the transaction;set.</i>				

**DATA EXAMPLE**

BSN\*00\*708095591\*20041001\*0229\*0001~  
 HL\*0001\*\*S~  
 TD1\*PLT\*1\*\*\*G\*21425.45\*LB~  
 TD5\*B\*2\*CPU9\*H\*BACKHAUL--CUSTOMER'S CARRIER~  
 TD3\*TL\*\*53905~  
 REF\*BM\*708095591~  
 DTM\*011\*20041001\*0229~  
 N1\*SFO\*OSDA\*9\*0123456789123~  
 N4\*NORCROSS\*GA\*30071~  
 N1\*ST\*THE KROGER COMPANY\*9\*0782260811106~  
 N3\*3475 INTERNATIONAL PARK Dr~  
 N4\*ATLANTA\*GA\*12345~  
 HL\*0002\*0001\*O~  
 PRF\*61657\*\*\*20040927~  
 TD1\*PLT\*1~  
 TD5\*2\*CP\*H~  
 HL\*0003\*0002\*T~  
 MAN\*GM\*00100447104231123456~  
 PAL\*6\*3\*6~  
 HL\*0004\*0003\*P~  
 LIN\*\*UA\*004300011234~  
 SN1\*\*18\*CA~  
 MAN\*UC\*10043000112347~  
 DTM\*036\*20050730\*0229~  
 HL\*0005\*0004\*I~  
 LIN\*\*UA\*004300011234\*UP\*043000112345~  
 SN1\*\*216\*EA~  
 PO4\*12\*32\*OZ~  
 PID\*F\*\*\*\*PRODUCT DESCRIPTION~  
 CTT\*5~

**Minimum Required**

BSN\*00\*708095591\*20041001\*0229\*0001~  
 HL\*0001\*\*S~  
 TD1\*PLT\*1~  
 TD5\*\*2\*CPU9\*H~  
 TD3\*TL\*\*53905~  
 REF\*BM\*708095591~  
 DTM\*011\*20041001~  
 N1\*SFO\*OSDA\*9\*0123456789123~  
 N4\*NORCROSS\*GA\*30071~  
 N1\*ST\*THE KROGER COMPANY\*9\*0782260811106~  
 N4\*ATLANTA\*GA\*12345~  
 HL\*0002\*0001\*O~  
 PRF\*61657~  
 HL\*0003\*0002\*T~  
 MAN\*GM\*00100447104231123456~  
 PAL\*\*3\*6~  
 HL\*0004\*0003\*P~  
 LIN\*\*UA\*004300011234~  
 SN1\*\*18\*CA~  
 MAN\*UC\*10043000112347~  
 DTM\*036\*20050730~  
 CTT\*4~