



# Ship Notice/Manifest

005010 UCS

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>
0200	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>
<u>LOOP ID - HL</u>		SHIPMENT			<b>200000</b>	<b>C2/0100L</b>	
0100	HL	Hierarchical Level	M	1		C2/0100	Must use
1100	TD1	Carrier Details (Quantity and Weight)	O	20			Used
1200	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
1300	TD3	Carrier Details (Equipment)	O	1			Used
1500	REF	Reference Information	O	>1			Used
2000	DTM	Date/Time Reference	O	10			Used
<u>LOOP ID - N1</u>					<b>200</b>		
2200	N1	Party Identification	O	1			Used
2300	N2	Additional Name Information	O	2			Used
2400	N3	Party Location	O	2			Used
2500	N4	Geographic Location	O	1			Used
<u>LOOP ID - HL</u>		ORDER			<b>200000</b>	<b>C2/0100L</b>	
0100	HL	Hierarchical Level	M	1		C2/0100	Must use
0500	PRF	Purchase Order Reference	O	1			Used
<u>LOOP ID - HL</u>		TARE			<b>200000</b>	<b>C2/0100L</b>	
0100	HL	Hierarchical Level	M	1		C2/0100	Must use
1900	MAN	Marks and Numbers Information	O	>1			Used
2150	PAL	Pallet Type and Load Characteristics	O	1			Used
<u>LOOP ID - HL</u>		PACK			<b>200000</b>	<b>C2/0100L</b>	
0100	HL	Hierarchical Level	M	1		C2/0100	Must use
0200	LIN	Item Identification	O	1			Used
0300	SN1	Item Detail (Shipment)	O	1			Used
1900	MAN	Marks and Numbers Information	O	>1			Used
2000	DTM	Date/Time Reference	O	10			Used
<u>LOOP ID - HL</u>		ITEM			<b>200000</b>	<b>C2/0100L</b>	
0100	HL	Hierarchical Level	M	1		C2/0100	Must use
0200	LIN	Item Identification	O	1			Used
0300	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>
0100	CTT	Transaction Totals	O	1		N3/0100	Used

# BSN Beginning Segment for Ship Notice

Pos: 0200	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				

# HL Hierarchical Level (Shipment)

Pos: 0100	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: 1100	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	X	N0	1/7	Used
		= Total Number Of Pallets				

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 1200	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	X	ID	1/2	Used
		<u>Code</u> <u>Name</u>				
		2          Standard Carrier Alpha Code (SCAC)				
TD503	67	Identification Code	X	AN	2/80	Used

TD504	91	<b>Transportation Method/Type Code</b>	X	ID	1/2	Used
		<u>Code</u> <u>Name</u>				
		H            Customer Pickup				
		M            Motor (Common Carrier)				

## TD3 Carrier Details (Equipment)

Pos: 1300            Max: 1  
 Detail - Optional  
 Loop: HL          Elements: 2

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>
TD301	40	<b>Equipment Description Code</b>	X	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		CN          Container				
		TL          Trailer (not otherwise specified)				
TD303	207	<b>Equipment Number</b>	X	AN	1/15	Used

## REF Reference Information (Shipment)

Pos: 1500            Max: >1  
 Detail - Optional  
 Loop: HL          Elements: 2

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>
REF01	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use
		<u>Code</u> <u>Name</u>				
		BM          Bill of Lading Number				
REF02	127	<b>Reference Identification</b>	X	AN	1/50	Used

## DTM Date/Time Reference (Shipment)

Pos: 2000            Max: 10  
 Detail - Optional  
 Loop: HL          Elements: 2

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	<b>Date/Time Qualifier</b>	M	ID	3/3	Must use
		<u>Code</u> <u>Name</u>				
		011          Shipped				
DTM02	373	<b>Date</b>	X	DT	8/8	Used

# N1 Party Identification (Shipment)

Pos: 2200	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

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>
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	X	AN	1/60	Used
N103	66	Identification Code Qualifier	X	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	X	AN	2/80	Used

# N3 Party Location (Shipment)

Pos: 2400	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

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 (Shipment)

Pos: 2500	Max: 1
Detail - Optional	
Loop: N1	Elements: 3

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	X	ID	2/2	Used
N403	116	Postal Code	O	ID	3/15	Used

# HL Hierarchical Level (Order)

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

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 (Order)

Pos: 0500	Max: 1
Detail - Optional	
Loop: HL	Elements: 1

User Option (Usage): Used

## 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: 0100	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 (Pallet)				

# MAN Marks and Numbers Information (Tare)

Pos: 1900	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            EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier				
MAN02	87	Marks and Numbers	M	AN	1/48	Must use

# PAL Pallet Type and Load Characteristics (Tare)

Pos: 2150	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	Used
PAL03	885	Pallet Blocks	O	N0	1/3	Used

# HL Hierarchical Level (Pack)

Pos: 0100	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 (Pack)

Pos: 0200	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		UA          U.P.C Case Code (2-5-5 format)				
		UK          GTIN 14-digit Data Structure				
LIN03	234	Product/Service ID	M	AN	1/48	Must use
		Contains a U.P.C. Case Code if LIN02 is UA				
		Contains a GTIN if LIN02 is UK				

# SN1 Item Detail (Pack)

Pos: 0300	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN102	382	Number of Units Shipped	M	R	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 Information (Pack)

Pos: 1900	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>				
		UC          U.P.C. Shipping Container Code				
MAN02	87	Marks and Numbers	M	AN	1/48	Must use

# DTM Date/Time Reference (Pack)

Pos: 2000	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>				
		036      Expiration				
		405      Production				
		511      Shelf Life Expiration				
DTM02	373	Date	X	DT	8/8	Used

# HL Hierarchical Level (Item)

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

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>		
		I		Item		

# LIN Item Identification (Item)

Pos: 0200	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

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>		
		UA		U.P.C Case Code (2-5-5 format)		
		UK		GTIN 14-digit Data Structure		
LIN03	234	Product/Service ID	M	AN	1/48	Must use
		Contains a U.P.C. Case Code if LIN02 is UA				
		Contains a GTIN if LIN02 is UK				

# SN1 Item Detail (Item)

Pos: 0300	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

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	R	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		

# CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

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	NO	1/6	Must use

**DATA EXAMPLE**

SAMPLE with ALL ITEMS Converted to GTINs

BSN\*00\*708095591\*20041001\*0229\*0001~  
 HL\*0001\*\*S~  
 TD1\*PLT\*1~  
 TD5\*B\*2\*CPU9\*H\*BACKHAUL--CUSTOMER'S CARRIER~  
 TD3\*TL\*\*53905~  
 REF\*BM\*708095591~  
 DTM\*011\*20041001~  
 N1\*SF\*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~  
 HL\*0003\*0002\*T~  
 MAN\*GM\*00100447104231123456~  
 PAL\*6\*3\*6~  
 HL\*0004\*0003\*P~  
 LIN\*\*UK\*10021000340799~  
 SN1\*\*18\*CA~  
 MAN\*UC\*10043000112347~  
 DTM\*036\*20050730~  
 HL\*0005\*0004\*I~  
 LIN\*\*UK\*20043000180629~  
 SN1\*\*216\*EA~  
 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\*SF\*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\*\*UK\*20043000180629~  
 SN1\*\*18\*CA~  
 MAN\*UC\*10043000112347~  
 DTM\*036\*20050730~  
 CTT\*4~



SAMPLE with NO ITEMS Converted to GTINs

LIN\*\*UA\*002100034079~  
SN1\*\*18\*CA~  
MAN\*UC\*10043000112347~  
DTM\*036\*20050730~  
HL\*0005\*0004\*I~  
LIN\*\*UA\*004300018062~  
SN1\*\*216\*EA~

SAMPLE with SOME ITEMS Converted to GTINs

Manufacturer ID 21000 has been converted  
Manufacturer ID 43000 has NOT been converted

LIN\*\*UK\*10021000340799~  
SN1\*\*18\*CA~  
MAN\*UC\*10043000112347~  
DTM\*036\*20050730~  
HL\*0005\*0004\*I~  
LIN\*\*UA\*004300018062~  
SN1\*\*216\*EA~  
CTT\*5~