

# Advanced Shipping Notice

## 856 ASC X.12 - Version 5010 VICS

### FUNCTIONAL GROUP=SH

The transaction set is used to provide the distributor with advanced data on shipments to better plan workload and receipt processing. The key word is advanced. In practice, the ship notice must arrive before the shipment.

**Trading Partners are reminded that it is their responsibility to check all transmissions for their (997) FA's**

## Summary of Segments Required by LCL for Transaction Set 856.

### HEADER SECTION

ST Transaction Set Header  
BSN Beginning Segment for Ship Notice

### DETAIL SECTION

#### SHIPMENT LEVEL

HL Hierarchical Level (Shipment level information)  
TD1 Carrier Detail (Quantity and Weight)  
REF Bill of Lading or Carrier Pro Bill  
DTM Date/Time Reference (expected arrival date/time at WHSE)  
N1 Name (ship from location information)  
N3 Address Information  
N4 Geographic location  
N1 Name (ship-to location (branch) information)  
N3 Address Information  
N4 Geographic location

#### ORDER LEVEL

HL Hierarchical Level (Order level information)  
**PRF Purchase Order Number**  
TD1 Carrier Detail (Quantity and Weight)  
REF Reference Numbers (Customer (Store) reference number)  
N1 Name (ship-to location (store) information)  
N3 Address Information  
N4 Geographic location

#### TARE LEVEL

HL Hierarchical Level (Pallet level information)  
MAN Marks and Numbers

#### PACK (CASE) LEVEL

HL Hierarchical Level (Case level information)  
LIN Item Identification (code date info)  
SN1 Item Detail (Shipment) – pack  
MAN Marks and Numbers

#### ITEM LEVEL

HL Hierarchical Level (Item level information)  
LIN Item Identification  
SN1 Item Detail (Shipment) - item  
PO4 Item Physical Details – item  
PID - Product Item Description  
TD4-Carrier Detail (Special Handling)  
REF-Reference Information  
DTM Date/Time Reference (Expiration Date for Perishable Products)

**SUMMARY SECTION**

CTT Transaction Totals

SE Transaction Set Trailer

# Specifications for Transaction Set 856

## HEADER SECTION

### BSN - Beginning Segment for Ship Notice (Mandatory)

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 353	Transaction Purpose Code	2/2	M M	Code value: 00 = Original	
02 396	Shipment Identification	2/20	M M	Unique Control number	
03 373	Date	8/8	M M	Date (CCYYMMDD)	
04 337	Time	4/4	M M	Time (HHMM)	
05 1005	Hierarchical Structure Code	4/4	O M	Code value: 0001 = Shipment, Order, Package, Item	

## DETAIL SECTION

### HL- Hierarchical Level (Mandatory – Shipment Level)

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 628	Hierarchical ID Number	1/12	M M	Value for this level must be "1"	
03 735	Hierarchical Level Code	1/2	M M	Code values: S = Shipment	

### TD1- Carrier Details (Quantity and Weight) (Mandatory – Shipment Level)

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 103	Packaging Code	3/5	O M	Part1: Packaging Form Part2: Packaging Material	
02 80	Lading Quantity	1/7	C M	Number of units (pieces) of the lading commodity	
06 187	Weight Qualifier	½	O M	Code Defining the type of Weight G = Gross Weight	
07 81	Weight	1/10	C M	Total Weight	
08 355	Unit or Basis for Measurement Code	2/2	C M	Code value: KG = kilograms	
09 183	Volume	1/8	C O	Volumetric Measure	
10 355	Unit or Basis for Measurement Code	2/2	C C	Code value example CF=Cubit feet CR=Cubic meter	

### TD5- Carrier Details (Optional – Shipment Level)

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 133	Routing Sequence Code	½	O O	Code describing the relationship of a carrier to a specific shipment movement	
02 66	Identification Code Qualifier	½	O O	Code designating the system/method of code structure used for Identification Code (67)	
03 67	Identification Code	2/80	O O	Code identifying a party or other code	
04 91	Transportation Method/Type Code	½	O O	H = Customer Pickup M = Motor (Common Carrier)	
05 387	Routing	1/35	O O	Shipping Carrier Name	
06 368	Shipment/Order Status Code	2/2	O O	Code indicating the status of an order or shipment CC = Shipment Complete on (Date)	

### TD3 - Carrier Details (Optional – Shipment Level)

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 40	Equipment Description Code	2/2	O M	Code identifying type of equipment used for shipment TL = Trailer	
02 206	Equipment Initial	¼	O O	Prefix or alphabetic part of an equipment unit's identifying number	
03 207	Equipment Number	1/15	C C	Trailer Number	

**TD4- Carrier Details (Optionla – Shipment Level)**

Element	Name	Size	Desig ANSI	nator LCL	Usage	Note
01 152	Special Handling Code	2/3	O	M	Code specifying special transportation handling instructions Examples CC = Container, Consolidator Load	

**REF- Reference Identification (Mandatory, Shipment Level)**

Element	Name	Size	Desig ANSI	nator LCL	Usage	Note
01 128	Reference Identification Qualifier	2/3	M	M	Code values: BM	
02 127	Reference Identification	1/20	M	M	Bill Of Lading Number	

\*Value CN = Pro bill can be used by small carriers

**DTM- Date/Time Reference (Mandatory – Shipment Level)**

Element	Name	Size	Desig ANSI	nator LCL	Usage	Note
01 374	Date/Time Qualifier	3/3	M	M	Code values: • 011-shipped • 017-estimated delivery	
02 373	Date	8/8	C	M	Date (CCYYMMDD)	
03 337	Time	4/6	C	O	Time (HHMMSS)	

**N1- Name (Mandatory - Shipment Level)**

Element	Name	Size	Desig ANSI	nator LCL	Usage	Note
01 98	Organization ID	2/2	M	M	Code values: SF = Ship From ST = Ship To	
02 93	Name	1/35	C	M	Name	
03 66	ID Code Qualifier	½	C	M	Code values: 9 = Duns Number	
04 67	ID Code	13/13	C	M	Identification Number Branch = last 2 digits	

**N3- Name (Optional – Shipment Level)**

Element	Name	Size	Desig ANSI	nator LCL	Usage	Note
01 166	Address Information	1/55	M	M	Street Name	

**N4- Name (Optional – Shipment Level)**

Element	Name	Size	Desig ANSI	nator LCL	Usage	Note
01 19	City Name	2/30	O	O	City Name	
02 156	State or Province Code	2/2	O	O	State or Province Code	
03 116	Postal Code	3/15	O	O	Postal Code	
04 26	Country Code	2/3	O	O	Country Code	

**HL- Hierarchical Level (Mandatory – Order Level)**

Element	Name	Size	Desig ANSI	nator LCL	Usage	Note
01 628	Hierarchical ID Number	1/12	M	M	Unique Number	
03 735	Hierarchical Level Code	1 /2	M	M	Code values: O = Order	

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**PRF- Purchase Order Reference (Mandatory - Order Levels)**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 324	Purchase Order Number	1/20	M M	PO Number	

**TD1- Carrier Details (Optional – Order Levels)**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 103	Packaging Code	3/5	O M	Part1: Packaging Form Part2: Packaging Material	
02 80	Lading Quantity	1/7	C M	Number of units (pieces) of the lading commodity	
06 187	Weight Qualifier	½	C M	Gross Weight = G	
07 81	Weight	1/10	C M	Total weight	
08 355	Unit or Basis for Measurement Code	2/2	C M	Code value: KG = kilograms	

**REF- Reference Identification (Mandatory, Order Levels)**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 128	Reference Identification Qualifier	2/3	M M	Code values: IT = LCE Customer (Store) Number	DSD
02 127	Reference Identification	1/30	M M	Customer Number	DSD

**N1- Name (Mandatory - Order Level)**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 98	Organization ID	2/2	M M	Code values: BY = Buying Party	DSD
02 93	Name	1/35	C M	Name = Loblaw Companies	DSD
03 66	Identification Code Qualifier	½	C M	Code values: 9-Duns+4	DSD
04 104	Identification Code	2/80	C M	Code value = 2471916380005	DSD

**N3- Name (Optional – Order Level)**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 166	Address Information	1/55	M M	Street Name	DSD

**N4- Name (Optional – Order Level)**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 19	City Name	2/30	O O	City Name	DSD
02 156	State or Province Code	2/2	O O	State or Province Code	DSD
03 116	Postal Code	3/15	O O	Postal Code	DSD
04 26	Country Code	2/3	O O	Country Code	DSD

**HL- Hierarchical Level (Mandatory – Tare Level)**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 628	Hierarchical ID Number	1/12	M M	Unique Number	
03 735	Hierarchical Level Code	1/2	M M	Code values: T = Tare	

**MAN- Marks and Numbers (Mandatory – Tare Level)**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 88	Marks and Numbers Qualifier	½	M M	Code values: GM = SSCC-18 and Application Identifier	
02 87	Marks and Numbers	1/20	M M	SSCC-18 and Application Identifier	

**PAL - Marks and Numbers (Optional – Tare Level)**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 883	Pallet Type Code	1/2	O M	Code values samples: 1 = Aluminum 4 = Standard 6 = Wood	*
02 884	Pallet Tiers	1/3	O M	Number of layer per pallet	*
03 885	Pallet Blocks	1/3	O M	Number of pieces(cartons) per layer on the pallet	*
04 356	Pack	1/6	O O	Number of eaches per outer container	*
05 395	Unit Weight	1/8	O M	Gross weight to include Pallet(Pallet is excluded for catch weight product)	*
06 355	Unit or Basis for Measurement Code	2/2	O M	Metric value	*

**\*Note. PAL is mandatory for “catch weigh product” or full skid quantities**

**HL- Hierarchical Level (Mandatory – Pack (Case Level) )(DSD)**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 628	Hierarchical ID Number	1/12	M M	Unique Number	
03 735	Hierarchical Level Code	1 /2	M M	Code values: P = Pack (Case)	DSD

**LIN- Item Identification (Optional - Pack (Case Level) )**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
02 235	Product/Service ID Qualifier	2/2	M O	PJ = Product Code Date	DSD
03 234	Product/Service ID	1/48	M O	Identifying number for a product or service	DSD

**SN1- Item Identification (Mandatory – Pack (Case Level) )**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
02 382	Number of Units Shipped	1/10	M M	Shipped Qty	DSD
03 355	Unit or Basis for Measurement Code	2/2	M M	Code value: CA = Case	DSD

**MAN- Marks and Numbers (Conditional - Case Levels)\*\***

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 88	Marks and Numbers Qualifier	1/2	M O	Code values: GM = SSCC-18 and Application Identifier	DSD
02 87	Marks and Numbers	1/48	M O	Load Id or Federal Establishment #	DSD

**\*\*this segment is mandatory if tote or case has mixed product within it. In this situation the SSCC 18 is required.**

**HL- Hierarchical Level (Mandatory – Item Level)**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
01 628	Hierarchical ID Number	1/12	M M	Unique Number	
03 735	Hierarchical Level Code	1 /2	M M	Code values: I = Item	

**LIN- Item Identification (Mandatory - Item Levels)**

Element	Name	Size	Designator	Usage	Note
			ANSI LCL		
02 235	Product/Service ID Qualifier	2/2	M M	Code values: UK = Case UPC (1-2-5-5-1)	
03 234	Product/Service ID	1/30	M M	14 Digit Case code	

**SN1- Item Identification (Mandatory - Item Levels)**

Element	Name	Size	Designator ANSI LCL	Usage	Note
02 382	Number of Units Shipped	1/10	M M	Shipped Qty	
03 355	Unit or Basis for Measurement Code	2/2	M M	Code value: CA = Case	

**P04- Item Physical Detail (Mandatory – Item Level)**

Element	Name	Size	Designator ANSI LCL	Usage	Note
01 356	Pack	1/6	O M	Number of Retail units in Case	
06 384	Gross Weight per Pack	1/9	C M	Total Gross Weight per Pack (Case)	
07 355	Unit or Basic for Measurement Code	2/2	C M	Metric unit in which a value is being expressed	
08 385	Gross Volume per Pack	1/9	C O	Total Gross Volume per Pack (Case)	
09 355	Unit or Basic for Measurement Code	2/2	C C	Metric unit in which a value is being expressed	

**PID- Item Description (Mandatory- Item Level)**

Element	Name	Size	Designator ANSI LCL	Usage	Note
01 349	Item Description Type	1/1	M M	Code value: F= Product Description	
02 750	Product/Process Code	2/3	O M	Example value 08 = Product	
05 352	Description	1/80	O M	Free form Product description	

**TD4- Carrier Detail (Special Handling) (Optional - Item Level)**

Element	Name	Size	Designator ANSI LCL	Usage	Note
01 152	Special Handling Code	2/3	O M	Code values: example FL = Flammable	
02 208	Hazardous Material Qualifier	1/1	O M	Code values: example U = United Nations	
03 209	Hazardous Material Code	1/4	O M	Code Specifying the kind of hazard material	

**REF- Reference Information (Optional- Item Level)**

Element	Name	Size	Designator ANSI LCL	Usage	Note
01 128	Reference Identification Qualifier	2/3	M M	Code value: LT = Lot Number	*
02 127	Reference Identification	1/50	O M	Example value 08 = Product	

\*Mandatory for coded shelf life products

**DTM- Date/Time Reference (Optional – Item Level)**

Element	Name	Size	Designator ANSI LCL	Usage	Note
01 374	Date/Time Qualifier	3/3	M M	Code values: 036 = Expiration Date	*
02 373	Date	8/8	C M	Date (CCYYMMDD)	

\*Mandatory for coded shelf life products

**SUMMARY SECTION**

**CTT- Transaction Set Total (Mandatory)**

Element	Name	Size	Designator ANSI LCL	Usage	Note
01 354	Number of Line Items	1/6	M M	Total Number of HL Segments in transaction	

**#856 Advanced Shipment Notice**  
**SAMPLE TRANSMITTABLE DOCUMENT**

**Warehouse Document Regular ASN**

ST

BSN\*CN\*000000001\*20090418\*1432\*0001

HL\*1\*\*S

TD1\*PLT94\*5\*\*\*\*G\*88000\*KG\*76876\*CM - Optional

TD5\*B\*2\*4444\*H\*DODA TRANSPORT\*CC - Optional

TD3\*4B\*4444\*123456789098765 - Optional

TD4\*TF - Optional

REF\*BM\*1111111111111111

DTM\*011\*20090415

DTM\*017\*20090416

N1\*SF\*Supplier Name\*O\*1234567890001

N3\*Street Name - Optional

N4\*Toronto,On,H0H 0H0,Ca - Optional

N1\*ST\*Loblaws Inc Laval 2700\*9\*2471916380072

N3\*2700 Frances Huges - Optional

N4\*Laval\*QC,H7S 2B9,CA - Optional

HL\*2\*1\*O

PRF\*284828-72

TD1\*PLT94\*5\*\*\*\*G\*88000\*KG - Optional with mixed Pallets

HL\*3\*2\*T

MAN\*GM\*01222222222222222222

PAL\*6\*3\*7\*\*22000\*KG - Optional and not present with mixed Pallet

HL\*4\*3\*I

LIN\*\*UK\*1001111111111111

SN1\*\*21\*CA

PO4\*2\*\*\*\*\*7.2\*LT

PID\*F\*08\*\*\*Spicy Sauce

REF\*LT\*89789589

DTM\*036\*20090516

HL\*5\*2\*T

MAN\*GM\*01333333333333333333

PAL\*6\*3\*7\*\*22000\*KG - Optional and not present with mixed Pallet

HL\*6\*5\*I

LIN\*\*UK\*1001111111111111

SN1\*\*21\*CA

PO4\*2\*\*\*\*\*7.2\*LT

PID\*F\*08\*\*\*Medium Sauce

REF\*LT\*89789589

DTM\*036\*20090516

HL\*7\*2\*T

MAN\*GM\*01333333333333333333

PAL\*6\*3\*7\*\*22000\*KG - Optional and not present with mixed Pallet

HL\*8\*7\*I

LIN\*\*UK\*1001111111111111

SN1\*\*21\*CA

PO4\*2\*\*\*\*\*7.2\*LT

PID\*F\*08\*\*\*Mild Sauce

REF\*LT\*89789589

DTM\*036\*20090516

HL\*9\*2\*T

MAN\*GM\*01444444444444444444

PAL\*6\*5\*10\*\*22000\*KG - Optional and not present with mixed Pallet

HL\*10\*9\*I



LIN\*\*UK\*1001111111111  
SN1\*\*50\*CA  
PO4\*20\*\*\*\*\*14200\*ML  
PID\*F\*08\*\*\*Creamy Soup  
REF\*LT\*89789589  
DTM\*036\*20090516  
CTT\*10  
SE

**#856 Advanced Shipment Notice**  
**SAMPLE TRANSMITTABLE DOCUMENT**

**Warehouse Document Catch Weight ASN**

ST  
BSN\*CN\*000000001\*20090418\*1432\*0001  
HL\*1\*\*S  
TD1\*PLT94\*5\*\*\*\*G\*88000\*KG\*76876\*CM - Optional  
TD5\*B\*2\*4444\*H\*DODA TRANSPORT\*CC - Optional  
TD3\*4B\*4444\*123456789098765 - Optional  
TD4\*TF - Optional  
REF\*BM\*1111111111111111  
DTM\*011\*20090402  
DTM\*017\*20090403  
N1\*SF\*Supplier Name\*9\*1234567890001  
N3\*Street Name - Optional  
N4\*Toronto,On,H0H 0H0,Ca - Optional  
N1\*ST\*Caledonia\*9\*2471916380024  
N3\*85 Commerce Streert - Optional  
N4\*Moncton\*NB\*E1E 1C8,CA - Optional  
HL\*2\*1\*O  
PRF\*248801-60  
TD1\*PLT94\*2\*\*\*\*G\*640\*KG - Optional with mixed Pallets  
HL\*3\*2\*T  
MAN\*GM\*01222222222222222222  
PAL\*6\*3\*5\*\*205\*KG - Optional and not present with mixed Pallet  
HL\*4\*3\*I  
LIN\*\*UK\*0041111111111111  
SN1\*\*15\*CA  
PO4\*1\*\*\*\*\*13.7\*KG  
PID\*F\*08\*\*\*SALMON ATL WHL  
REF\*LT\*89789589  
DTM\*036\*20090516  
HL\*5\*2\*T  
MAN\*GM\*01333333333333333333  
PAL\*6\*2\*6\*\*435\*KG - Optional and not present with mixed Pallet  
HL\*6\*5\*I  
LIN\*\*UK\*0041111111111111  
SN1\*\*12\*CA  
PO4\*16\*\*\*\*\*36.32\*KG  
PID\*F\*08\*\*\*SALMON PRTN W WINR/HERB  
REF\*LT\*89789589  
DTM\*036\*20090516  
CTT\*6  
SE

**#856 Advanced Shipment Notice  
SAMPLE TRANSMITTABLE DOCUMENT**

**EXT-DOCK STORE READY Pallet Document**

ST*856*000000004	
BSN*00*000000 <b>123456</b> *20091111*1504*0001	P.O.# used as BOL#
HL*1**S	Shipment Level
TD1*PLT94*1****G*4909*KG*300*CF	
DTM*002*20091110	
N1*SF*SUPPLIER NAME*9*1234567891231	
N3*405 ANYSTREET	
N4*ANYCITY*ON*M9R 4C4*CA	
N1*ST*FREEMONT DIST CENTER*9*2471916380005	
N3*6100 FREEMONT BLVD	
N4*MISSISSAUGA*ON*L5R 3V7*CA	
HL*2*1*O	Order Level
<b>PRF*05-10-01234567</b>	<b>PO Number</b>
TD1*PLT94*1****G*4909*KG*123*CF	
REF*IT*01001                      ->	LCE Customer (Store)# DSD
N1*FS*LOBLAW STORE	
N3*101 ANYSTREET	
N4*ANYCITY*ON*M9R 4C4*CA	
HL*3*2*T	Tare Level
MAN*GM*00000507430316286729	
HL*4*3*P	
LIN**PJ*codedate	Pack (Case) Level (DSD)
SN1**5*CA	
MAN*GM*00000507430316286730	
HL*5*4*I	Item Level
LIN**UK*00050743042300	
SN1**5*CA	
PO4*24*355*ML*3*CF	
PID*F*08***FREE FORM DESCRIPTION	
DTM*036*20121110	
HL*6*3*P	
LIN**PJ*codedate	Pack (Case) Level (DSD)
SN1**5*CA	
MAN*GM*00000507430316286732	
HL*7*4*I	Item Level
LIN**UK*00050743042390	
SN1**5*CA	
PO4*24*355*ML*3*CF	
PID*F*08***FREE FORM DESCRIPTION	
DTM*036*20121110	
CTT*2	
SE*40*000000004	