



# SFC Global Supply Chain, Inc. Purchasing

## Table of Contents

TRADING PARTNER PROFILE .....	2
GENERAL INFORMATION .....	4
CONTACTS .....	4
COMMUNICATIONS CAPABILITIES .....	4
DUNS NUMBERS .....	5
Bill-to DUNS Numbers and ISA/GS ID .....	5
Schwan's Ship-to DUNS Numbers .....	5
EDI ENVELOPE INFORMATION .....	6
ISA - Interchange Control Header .....	6
GS - Functional Group Header .....	6
850 Purchase Order .....	8
850 Purchase Order – Sample Data .....	22
860 Purchase Order Change Request – Buyer Initiated .....	23
860 Purchase Order Change Request – Buyer Initiated – Sample Data .....	37
855 Purchase Order Acknowledgment .....	38
855 Purchase Order Acknowledgment – Sample Data .....	48
856 Ship Notice/Manifest .....	50
856 Ship Notice/Manifest – Sample Data .....	64
810 Invoice .....	65
810 Invoice – Sample Data .....	75
Bill of Lading Requirements .....	76
Pallet Label Requirements .....	77
863 Report of Test Results .....	81
863 Report of Test Results – Sample Data .....	93
Schwan Characteristic .....	94

## Revision History

Date	Version	Description
May 2012	1.1	On the 850 Purchase Order and 855 Purchase Order Acknowledgment, moved the DTM segment from Header section to Detail section. On the 850 Purchase Order for selected vendor, email information has been added to the PER segment (PER05 and PER06) and REF segment (REF01 equals "PHC"). Changed the PO101 field to require on the 855 Purchase Order Acknowledgment and 810 Invoice.
August 2012	1.2	On the 850 Purchase Order, add the CUR (currency), ITD (Terms of Sale/Deferred Terms of Sale), and TXI (Tax Information) segments. On the PER segment, the delivery contact name and email has been added for all vendors. On the 855 Purchase Order Acknowledgment, move the REF segment from the Header section to Detail section. On the 855 Purchase Order Acknowledgment, bid number has been added to the REF segment in Detail section. On the 810 Invoice, add the TXI segment in detail and summary sections for tax information.
October 2012	1.3	On the 855 Purchase Order Acknowledgment, updated the DTM segment.
March 2013	1.4	Add the 856 Ship Notice/Manifest guideline and EDI Flowchart
June 2013	1.5	Add the Bill of Lading and Pallet Label Requirements
July 2013	1.6	Removed SLED date from Pallet Label and added applicable allergen codes Add the 863 Report of Test Results (Certificate of Analysis)
Sept 2013	1.7	Add notes to the 856 Ship Notice/Manifest guideline regarding required information.
Nov 2013	1.8	Updated the Schwan Characteristic table and 863 Sample Data



## SFC Global Supply Chain, Inc. Purchasing

Jan 2014	1.9	Remove Schwan's Food Service divisions that are not active.
Dec 2014	1.10	Add the 860 Purchase Order Change Request – Buyer Initiated
March 2016	1.11	Update VAN information
June 2016	1.12	Updated UOM on the Purchase Order 850 document

### TRADING PARTNER PROFILE

Please provide the following information needed to establish your company as a Trading Partner with Schwan. Upon completion please return via e-mail to [supplieredisetaup@schwans.com](mailto:supplieredisetaup@schwans.com).

#### COMPANY INFORMATION

Name	
Address	
City	
State & Zip	

#### EDI CONTACTS

Contact Name	E-Mail Address	Phone	Fax

EDI Support Group E-Mail Address	
----------------------------------	--

#### EDI INFORMATION

What Standard of EDI can you Send/Receive? (ex. X12)	
What Version are you capable of Sending/Receiving? (ex. 4010)	

Can you currently trade the following EDI Transactions? If not, please indicate when you believe you will be able to.

Transactions	Yes/No	Future Date
810 - X12 Invoice		
850 - X12 Purchase Order		
855 - Purchase Order Acknowledgment		
856 - Ship Notice/Manifest		
860 - Purchase Order Change Request		
Other Transactions- Specify		



**SFC Global Supply Chain, Inc.  
Purchasing**

Who is your VAN provider?	
When will you be ready to start testing with Schwan?	

**Please provide the Interchange Control and Functional Group Headers information to be used on transactions sent to Schwan.**

	<b>TEST</b>	<b>Production</b>
ISA01 Authorization Qualifier		
ISA02 Authorization Information		
ISA05 Interchange ID Qualifier		
ISA06 Interchange Sender ID		
ISA12 Interchange Control Version		
GS02 Application Sender Code		
GS08 Version ID		

In the space below please add any additional comments.

---

---



## SFC Global Supply Chain, Inc. Purchasing

### GENERAL INFORMATION

SFC Global Supply Chain, Inc.  
115 West College Drive  
Marshall, MN 56258

### CONTACTS

EDI Support Team

[edisupport@schwans.com](mailto:edisupport@schwans.com)

EDI Specialist

Donna Hensel

507-532-3274 Ext. 77200

[donna.hensel@schwans.com](mailto:donna.hensel@schwans.com)

EDI Specialist

Mike Dunn

507-532-3274 Ext. 72594

[mike.dunn@schwans.com](mailto:mike.dunn@schwans.com)

For business questions, please send an email to [supplieredisetaup@schwans.com](mailto:supplieredisetaup@schwans.com).

### COMMUNICATIONS CAPABILITIES

Currently, we use Liaison Exchange Network for our Van.

Email: [support@liaison.com](mailto:support@liaison.com)

Phone: 866-394-3571



## SFC Global Supply Chain, Inc. Purchasing

### DUNS NUMBERS

Bill-to DUNS Numbers and ISA/GS ID

Name	Bill-to DUNS #	ISA Qualifier:ID	GS ID
SCHWAN'S HOME SERVICE	925979001	01:925979001	925979001
SFC GLOBAL SUPPLY CHAIN, INC.	022865398	01:022865398	022865398
SCHWAN'S FOOD SERVICE	9657763620105	01:965776362	965776362
SCHWAN'S CONSUMER BRANDS, INC.	089790513	01:089790513	089790513

### Schwan's Ship-to DUNS Numbers

DUNS #	Name	Address	City	State	Zip	Country
0035	SFCGSC - Florence	7605 Empire Drive	Florence	KY	41042	US
0020	SFCGSC - Marshall Beverage	113 South 6th Street	Marshall	MN	56258	US
0014	SFCGSC - Marshall CFP	1602 Superior Road	Marshall	MN	56258	US
0049	SFC Global Supply Chain	606 Ontario Road	Marshall	MN	56258	US
0018	SFCGSC - Marshall Ice Cream	600 Michigan	Marshall	MN	56258	US
0015	SFCGSC - Marshall Plastic	600 Michigan Road	Marshall	MN	56258	US
0038	SFCGSC - Pasadena	1400 W. Southmore	Pasadena	TX	77502	US
0031	SFCGSC - Salina Pizza	3019 Scanlan Ave.	Salina	KS	67401	US
0032	SFCGSC - Salina Spice	2717 Scanlan Ave.	Salina	KS	67401	US
0143	SFCGSC - Walton Dist. Center	240B Shorland Drive	Walton	KY	41094	US
0146	SFCGSC - Salina Dist. Center	3019 Scanlan Ave.	Salina	KS	67401	US
0226	SFCGSC - Pottstown Foil Supply	255 South Street	Pottstown	PA	19464	US
0320	SFCGSC - Stilwell	5 East Walnut	Stilwell	OK	74960	US
0410	SFCGSC - Atlanta	One Lemon Lane, NE	Atlanta	GA	30307	US
4032	SFCGSC - Deer Park	612 Georgia	Deer Park	TX	77536	US
0442	SFCGSC - Suwanee	2900 Rolling Pin Lane	Suwanee	GA	30024	US
5211	SFCGSC Marshall Dry Storage	600 Michigan, East Entrance	Marshall	MN	56258	US
4092514	SFCGSC - Marshall CFP/SFP	1604 Superior Road	Marshall	MN	56258	US
4092515	SFCGSC - Marshall Ice Cream Dock Door 36	601 Michigan	Marshall	MN	56258	US
4092516	SFCGSC - Marshall Ice Cream Dock Door 36	601 Michigan	Marshall	MN	56258	US
4092518	SFCGSC - Pasadena	1251 Scarborough Lane	Pasadena	TX	77506	US
4092519	SFCGSC - Deer Park	612 Georgia	Deer Park	TX	77536	US
4303226	SFCGSC - PSTC	3123 Centennial Rd	Salina	KS	67401	US



## SFC Global Supply Chain, Inc. Purchasing

### EDI ENVELOPE INFORMATION

#### **ISA - Interchange Control Header**

ISA\*00\* \*00\* \*01\*022865398 \*01\*908887732000 \*070703\*1030\*U\*00501\*000000005\*0\*T\*|~

Element	Description	Qualifiers/Definition
ISA01	Authorization Information Qualifier	00
ISA02	Authorization Information	Blank
ISA03	Security Information Qualifier	00
ISA04	Security Information	Blank
ISA05	Interchange ID Qualifier	01 = Duns (Dun & Bradstreet)
ISA06	Interchange Sender ID	See Bill-to DUNS Number
ISA07	Interchange ID Qualifier	
ISA08	Interchange Receiver ID	
ISA09	Interchange Date	
ISA10	Interchange Time	
ISA11	Interchange Control Standards Identifier	U = U.S. EDI Community of ASC X12, TDCC, and UCS
ISA12	Interchange Control Version Number	00401
ISA13	Interchange Control Number	
ISA14	Acknowledgment Requested	0 = No Acknowledgment Requested
ISA15	Usage Indicator	P = Production Data T = Test Data
ISA16	Component Element Separator	= ASCII - 7C

#### **GS - Functional Group Header**

GS\*PO\*022865398\*908887732000\*20070703\*1615\*5\*X\*004010~

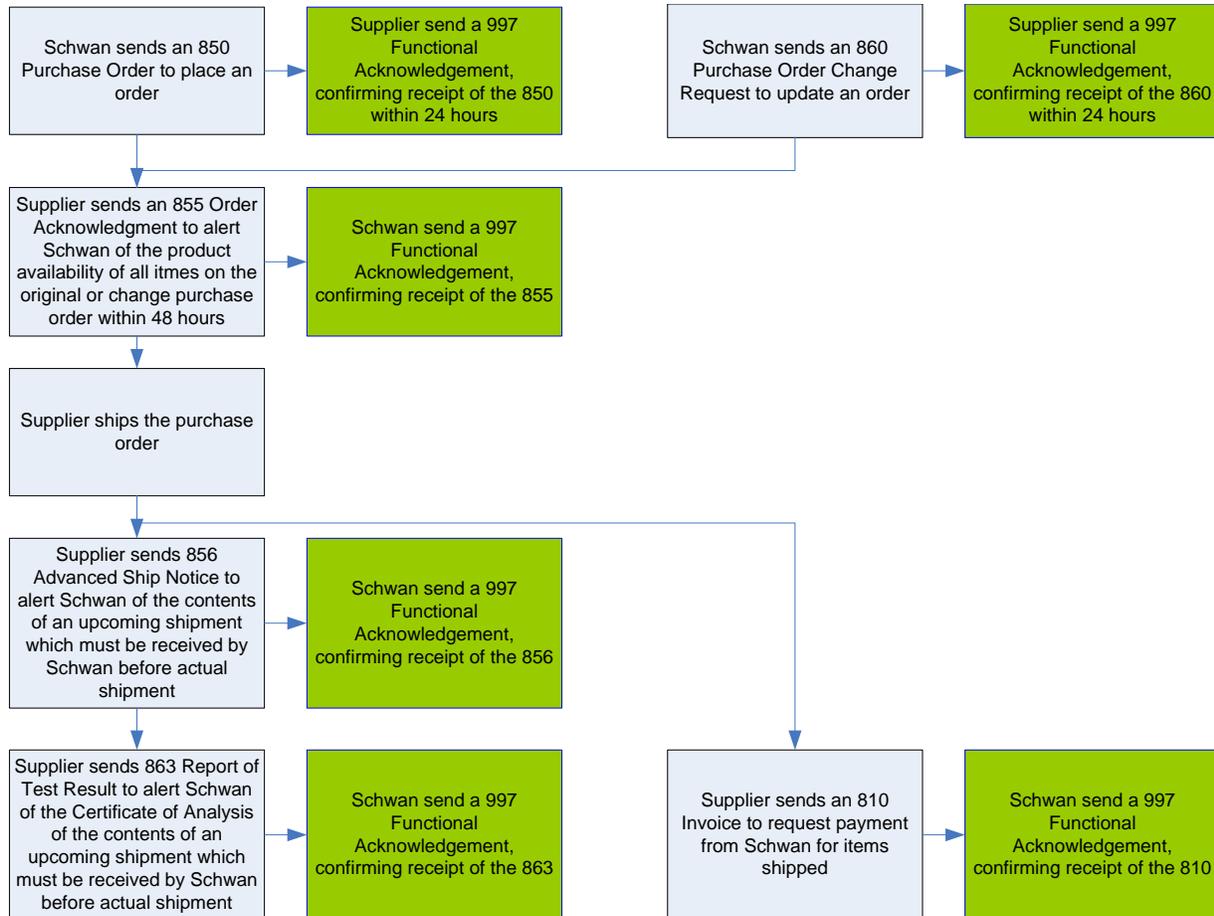
Element	Description	Qualifiers/Definition
GS01	Functional Identifier Code	
GS02	Application Sender's Code	See Bill-to DUNS Number
GS03	Application Receiver's Code	
GS04	Date	
GS05	Time	
GS06	Group Control Number	
GS07	Responsible Agency Code	X = Accredited Standards Committee X12 (ANSI)
GS08	Version / Release / Industry Identifier Code	004010 = ANSI



# SFC Global Supply Chain, Inc. Purchasing

## EDI FLOWCHART

To illustrate the flow between Schwan and our suppliers via EDI, the following flowchart is provided:





# SFC Global Supply Chain, Inc. Purchasing

## 850 Purchase Order

Functional Group ID=**PO**

### Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

### Notes:

When the Order Acknowledgment, Ship Notice/Manifest, or Invoice is sent, it must have the Schwan's Product Code (PI) and the Assigned Identification (PO101) that was sent on the Purchase Order.

PI (Purchase's Item Code) is the Schwan's Product Code.

UA (UPC/EAN Case Code) is the value that is maintained on Schwan's Product Master.

VC (Vendor's Catalog Number) is the value that is maintained on Schwan's Vendor's Info Master.

Please note that NOT all Schwan's Product Codes have a maintained UPC Code.

When the Order Acknowledgment, Ship Notice/Manifest, or Invoice is sent, it must have the Unit of Measure that was on the Purchase Order. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Order Acknowledgment, Ship Notice/Manifest, or Invoice.

### Heading:

	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.Use</u>	<u>Loop</u>	<u>Notes and</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>		<u>Repeat</u>	<u>Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BEG	Beginning Segment for Purchase Order	M	1		
	040	CUR	Currency	O	1		
	050	REF	Reference Identification	O	>1		
	080	FOB	F.O.B. Related Instructions	O	>1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
LOOP ID - N9						1000	
	295	N9	Reference Identification	O	1		
	300	MSG	Message Text	O	1000		
LOOP ID - N1						200	
	310	N1	Name	O	1		
	330	N3	Address Information	O	2		
	340	N4	Geographic Location	O	>1		
	360	PER	Administrative Communications Contact	O	>1		



## SFC Global Supply Chain, Inc. Purchasing

### Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - PO1			100000	
M	010	PO1	Baseline Item Data	M	1		n1
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	O	1		
	100	REF	Reference Identification	O	>1		
	210	DTM	Date/Time Reference	O	10		
	291	TXI	Tax Information	O	>1		

### Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - CTT			1	
	010	CTT	Transaction Totals	O	1		n2
M	030	SE	Transaction Set Trailer	M	1		

### Transaction Set Notes

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.



# SFC Global Supply Chain, Inc. Purchasing



# SFC Global Supply Chain, Inc. Purchasing



# SFC Global Supply Chain, Inc. Purchasing

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	ST01	143 Transaction Set Identifier Code 850 Purchase Order	M ID 3/3
M	ST02	329 Transaction Set Control Number	M AN 4/9

**Segment:** **BEG** Beginning Segment for Purchase Order  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	BEG01	353 Transaction Set Purpose Code 00 Original	M ID 2/2
M	BEG02	92 Purchase Order Type Code CN Consigned Order NE New Order	M ID 2/2
M	BEG03	324 Purchase Order Number	M AN 1/22
	BEG04	328 Release Number	O AN 1/30
M	BEG05	373 Date	M DT 8/8

**Segment:** **CUR** Currency  
**Position:** 040  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:**

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.



# SFC Global Supply Chain, Inc. Purchasing

- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	CUR01	98	Entity Identifier Code	M ID 2/3
		BY	Buying Party (Purchaser)	
M	CUR02	100	Currency Code	M ID 3/3

**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier	M ID 2/3
		AN	Associated Purchase Orders	
		PHC	Process Handling Code	
	REF02	127	Reference Identification	X AN 1/30
If REF01 equals "AN", Purchase Order Number to be shipped on same load. If REF01 equals "PHC", send an email acknowledgment. The PER06 field will have the email address.				

**Segment:** **FOB** F.O.B. Related Instructions  
**Position:** 080  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:**

- 1 If FOB03 is present, then FOB02 is required.
- 2 If FOB04 is present, then FOB05 is required.
- 3 If FOB07 is present, then FOB06 is required.



# SFC Global Supply Chain, Inc. Purchasing

4 If FOB08 is present, then FOB09 is required.

### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	FOB01	146	Shipment Method of Payment	M ID 2/2
		CC	Collect	
		PB	Customer Pick-up/Backhaul	
	FOB04	334	Transportation Terms Qualifier Code	O ID 2/2
		01	Incoterms	
	FOB05	335	Transportation Terms Code	X ID 3/3
		FOB	Free on Board	
	FOB06	309	Location Qualifier	X ID 1/2
		AC	City and State	
	FOB07	352	Description	O AN 1/80

**Segment:** **ITD** Terms of Sale/Deferred Terms of Sale  
**Position:** 130  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:**

- 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
	ITD01	336	Terms Type Code	O ID 2/2
		01	Basic	
	ITD03	338	Terms Discount Percent	O R 1/6
	ITD05	351	Terms Discount Days Due	X N0 1/3
	ITD07	386	Terms Net Days	O N0 1/3
	ITD12	352	Description	O AN 1/80

**Segment:** **TD5** Carrier Details (Routing Sequence/Transit Time)  
**Position:** 240  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Syntax Notes:**

- 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
- 2 If TD502 is present, then TD503 is required.
- 3 If TD507 is present, then TD508 is required.
- 4 If TD510 is present, then TD511 is required.



## SFC Global Supply Chain, Inc. Purchasing

- 5 If TD513 is present, then TD512 is required.
- 6 If TD514 is present, then TD513 is required.
- 7 If TD515 is present, then TD512 is required.

### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
TD501	133	Routing Sequence Code		O ID 1/2
		O	Origin Carrier (Air, Motor, or Ocean)	
TD504	91	Transportation Method/Type Code		X ID 1/2
		H	Customer Pickup	
		M	Motor (Common Carrier)	

**Segment:** **N9** Reference Identification  
**Position:** 295  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M N901	128	Reference Identification Qualifier		M ID 2/3
		L1	Letters or Notes	
N902	127	Reference Identification		X AN 1/30
		DEL	Delivery Instructions	
		NOTES	Comments	

**Segment:** **MSG** Message Text  
**Position:** 300  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1000  
**Syntax Notes:**

- 1 If MSG03 is present, then MSG02 is required.

### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M MSG01	933	Free-Form Message Text		M AN 1/264



# SFC Global Supply Chain, Inc. Purchasing

**Segment:** **N1** Name  
**Position:** 310  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.

### Data Element Summary

M	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	N101	98	Entity Identifier Code	M ID 2/3
			BT Bill-to-Party	
			MF Manufacturer of Goods	
			SF Ship From	
			ST Ship To	
	N102	93	Name	X AN 1/60
	N103	66	Identification Code Qualifier	X ID 1/2
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			92 Assigned by Buyer or Buyer's Agent	
	N104	67	Identification Code	X AN 2/80
			This value will be the Schwan's Number.	

**Segment:** **N3** Address Information  
**Position:** 330  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Syntax Notes:**

### Data Element Summary

M	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	N301	166	Address Information	M AN 1/55
	N302	166	Address Information	O AN 1/55

**Segment:** **N4** Geographic Location  
**Position:** 340  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:** 1 If N406 is present, then N405 is required.



# SFC Global Supply Chain, Inc. Purchasing

## Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
N401	19 City Name	O AN 2/30
N402	156 State or Province Code	O ID 2/2
N403	116 Postal Code	O ID 3/15
N404	26 Country Code	O ID 2/3

**Segment:** **PER** Administrative Communications Contact  
**Position:** 360  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:**

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

## Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
M PER01	366 Contact Function Code DC Delivery Contact	M ID 2/2
PER02	93 Name	O AN 1/60
PER03	365 Communication Number Qualifier TE Telephone	X ID 2/2
PER04	364 Communication Number	X AN 1/80
PER05	365 Communication Number Qualifier EM Electronic Mail	X ID 2/2
PER06	364 Communication Number	X AN 1/80

**Segment:** **PO1** Baseline Item Data  
**Position:** 010  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

- 1 If PO103 is present, then PO102 is required.
- 2 If PO105 is present, then PO104 is required.
- 3 If either PO106 or PO107 is present, then the other is required.
- 4 If either PO108 or PO109 is present, then the other is required.
- 5 If either PO110 or PO111 is present, then the other is required.
- 6 If either PO112 or PO113 is present, then the other is required.
- 7 If either PO114 or PO115 is present, then the other is required.
- 8 If either PO116 or PO117 is present, then the other is required.



## SFC Global Supply Chain, Inc. Purchasing

- 9 If either PO118 or PO119 is present, then the other is required.
- 10 If either PO120 or PO121 is present, then the other is required.
- 11 If either PO122 or PO123 is present, then the other is required.
- 12 If either PO124 or PO125 is present, then the other is required.

**Notes:**

When the Order Acknowledgment, Ship Notice/Manifest, or Invoice is sent, it must have the Schwan's Product Code (PI) and the Assigned Identification (PO101) that was sent on the Purchase Order.

PI (Purchase's Item Code) is the Schwan's Product Code.

UA (UPC/EAN Case Code) is the value that is maintained on Schwan's Product Master.

VC (Vendor's Catalog Number) is the value that is maintained on Schwan's Vendor's Info Master.

Please note that NOT all Schwan's Product Codes have a maintained UPC Code.

When the Order Acknowledgment, Ship Notice/Manifest, or Invoice is sent, it must have the Unit of Measure that was on the Purchase Order. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Order Acknowledgment, Ship Notice/Manifest, or Invoice.

### Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
PO101	350	Assigned Identification	O AN 1/20
		When the Order Acknowledgment, Ship Notice/Manifest, or Invoice is sent, it must have the Assigned Identification that was sent on the Purchase Order.	
PO102	330	Quantity Ordered	X R 1/15
PO103	355	Unit or Basis for Measurement Code	O ID 2/2
		When the Order Acknowledgment, Ship Notice/Manifest, or Invoice is sent, it must have the Unit of Measure that was on the Purchase Order. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Order Acknowledgment, Ship Notice/Manifest, or Invoice.	
		BD	Bundle
		BG	Bag
		BO	Bottle
		BX	Box
		CA	Case
		CF	Cubic Feet
		CT	Carton
		DZ	Dozen
		EA	Each
		FT	Foot
		GA	Gallon
		GL	Grams per Liter
		KG	Kilogram
		LB	Pound
		LO	Lot
		LT	Liter
		OZ	Ounce - Av



## SFC Global Supply Chain, Inc. Purchasing

PA	Pail
PC	Piece
PD	Pad
PH	Pack (PAK)
PK	Package
PL	Pallet/Unit Load
PR	Pair
PT	Pint
QT	Quart
RL	Roll
SH	Sheet
ST	Set
TB	Tube
UN	Unit

<b>PO104</b>	<b>212</b>	<b>Unit Price</b>	<b>X</b>	<b>R 1/17</b>
<b>PO106</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		PI Purchaser's Item Code		
		UA U.P.C./EAN Case Code (2-5-5)		
		VC Vendor's (Seller's) Catalog Number		
<b>PO107</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
<b>PO108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		PI Purchaser's Item Code		
		UA U.P.C./EAN Case Code (2-5-5)		
		VC Vendor's (Seller's) Catalog Number		
<b>PO109</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
<b>PO110</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		PI Purchaser's Item Code		
		UA U.P.C./EAN Case Code (2-5-5)		
		VC Vendor's (Seller's) Catalog Number		
<b>PO111</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>

<b>Segment:</b>	<b>PID</b>	<b>Product/Item Description</b>
<b>Position:</b>	050	
<b>Loop:</b>	PID	Optional
<b>Level:</b>	Detail	
<b>Usage:</b>	Optional	
<b>Max Use:</b>	1	
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PID04 is present, then PID03 is required.</li> <li>2 At least one of PID04 or PID05 is required.</li> <li>3 If PID07 is present, then PID03 is required.</li> <li>4 If PID08 is present, then PID04 is required.</li> <li>5 If PID09 is present, then PID05 is required.</li> </ol>	

### Data Element Summary

Ref. Data



# SFC Global Supply Chain, Inc. Purchasing

	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349	Item Description Type F Free-form	M ID 1/1
	PID05	352	Description	X AN 1/80

**Segment:** **REF** Reference Identification  
**Position:** 100  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Notes:** This value will be the Schwan's Contract Number.

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier BD Bid Number	M ID 2/3	
	REF02	127	Reference Identification	X AN 1/30	

**Segment:** **DTM** Date/Time Reference  
**Position:** 210  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier 002 Delivery Requested 010 Requested Ship	M ID 3/3	
	DTM02	373	Date	X DT 8/8	

**Segment:** **TXI** Tax Information  
**Position:** 291  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1



# SFC Global Supply Chain, Inc. Purchasing

- Syntax Notes:**
- 1 At least one of TXI02 TXI03 or TXI06 is required.
  - 2 If either TXI04 or TXI05 is present, then the other is required.
  - 3 If TXI08 is present, then TXI03 is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TXI01	963 Tax Type Code	M ID 2/2
		TX All Taxes	
	TXI06	441 Tax Exempt Code	X ID 1/1
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	

- Segment:** **CTT** Transaction Totals
- Position:** 010
- Loop:** CTT Optional
- Level:** Summary
- Usage:** Optional
- Max Use:** 1
- Syntax Notes:**
- 1 If either CTT03 or CTT04 is present, then the other is required.
  - 2 If either CTT05 or CTT06 is present, then the other is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354 Number of Line Items	M N0 1/6

- Segment:** **SE** Transaction Set Trailer
- Position:** 030
- Loop:**
- Level:** Summary
- Usage:** Mandatory
- Max Use:** 1
- Syntax Notes:**

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96 Number of Included Segments	M N0 1/10
M	SE02	329 Transaction Set Control Number	M AN 4/9



# SFC Global Supply Chain, Inc. Purchasing

## 850 Purchase Order – Sample Data

ISA\*00\* \*00\* \*01\*022865398 \*01\*9088877320000 \*120806\*1346\*U\*00401\*00000010\*0\*T|~  
GS\*PO\*022865398\*908887732000\*20120806\*1615\*10\*X\*004010~  
ST\*850\*0010~  
BEG\*00\*NE\*4006860\*\*20120806~  
CUR\*BY\*USD~  
ITD\*01\*\*0035\*\*60\*\*120\*\*\*\*\*GENERAL PURPOSE~  
TD5\*O\*\*\*M~  
N9\*L1\*NOTES~  
MSG\*FREE FORM MESSAGE TEXT~  
N1\*BT\*SFC GLOBAL SUPPLY CHAIN, INC.\*9\*022865398~  
N1\*SF\*ARTHUR JONES\*92\*0000121857~  
N3\*PO BOX 123\*157 WEST 57TH STREET~  
N4\*CINCINNATI\*OH\*43017\*US~  
N1\*MF\*MAGGIE MCGILLICUTTY\*92\*0000121857~  
N3\*103 NORTH MAIN STREET\*PO BOX 123~  
N4\*COLUMBUS\*OH\*43017\*US~  
N1\*ST\*Ice Cream Plant\*92\*0018~  
N3\*600 Michigan~  
N4\*Marshall\*MN\*56258\*US~  
PER\*DC\*BEVERLY SIMPSON\*TE\*(614)555-1212\*EM\*EMAIL@EMAIL.COM~  
PO1\*00010\*450\*CA\*1.234\*\*PI\*1837~  
PID\*F\*\*\*\*GENERAL PURPOSE~  
DTM\*002\*20120806~  
TXI\*TX\*\*\*\*\*1~  
PO1\*00020\*400\*CA\*1.24\*\*PI\*1837~  
PID\*F\*\*\*\*GENERAL PURPOSE~  
DTM\*002\*20120807~  
TXI\*TX\*\*\*\*\*1~  
CTT\*2~  
SE\*28\*0010~  
GE\*1\*10~  
IEA\*1\*000000010~



# SFC Global Supply Chain, Inc. Purchasing

## 860 Purchase Order Change Request – Buyer Initiated

Functional Group ID=**PC**

### Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Change Request - Buyer Initiated Transaction Set (860) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the information required for the customary and established business and industry practice relative to a purchase order change. This transaction can be used: (1) by a buyer to request a change to a previously submitted purchase order or (2) by a buyer to confirm acceptance of a purchase order change initiated by the seller or by mutual agreement of the two parties.

### Notes:

When the Order Acknowledgment, Ship Notice/Manifest, or Invoice is sent, it must have the Schwan's Product Code (PI) and the Assigned Identification (PO101) that was sent on the Purchase Order Change Request.

PI (Purchase's Item Code) is the Schwan's Product Code.

UA (UPC/EAN Case Code) is the value that is maintained on Schwan's Product Master.

VC (Vendor's Catalog Number) is the value that is maintained on Schwan's Vendor's Info Master.

Please note that NOT all Schwan's Product Codes have a maintained UPC Code.

When the Order Acknowledgment, Ship Notice/Manifest, or Invoice is sent, it must have the Unit of Measure that was on the Purchase Order Change Request. Example: If LB (Pound) was sent on Purchase Order Change Request, then LB (Pound) must be sent on the Order Acknowledgment, Ship Notice/Manifest, or Invoice.

### Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BCH	Beginning Segment for Purchase Order Change	M	1		
	040	CUR	Currency	O	1		
	050	REF	Reference Identification	O	>1		
	080	FOB	F.O.B. Related Instructions	O	>1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
LOOP ID - N9						1000	
	285	N9	Reference Identification	O	1		
	290	MSG	Message Text	O	1000		
LOOP ID - N1						200	
	300	N1	Name	O	1		
	320	N3	Address Information	O	2		
	330	N4	Geographic Location	O	>1		



## SFC Global Supply Chain, Inc. Purchasing

350	PER	Administrative Communications Contact	O	>1
-----	-----	---------------------------------------	---	----

### Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - POC			>1	
010	POC	Line Item Change	O	1		
		LOOP ID - PID			1000	
050	PID	Product/Item Description	O	1		
100	REF	Reference Identification	O	>1		
200	DTM	Date/Time Reference	O	10		
290	TXI	Tax Information	O	>1		

### Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - CTT			1	
010	CTT	Transaction Totals	O	1		n1
M	030	SE	Transaction Set Trailer	M	1	

### Transaction Set Notes

- Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.



# SFC Global Supply Chain, Inc. Purchasing



# SFC Global Supply Chain, Inc. Purchasing



# SFC Global Supply Chain, Inc. Purchasing

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	ST01	143 Transaction Set Identifier Code	M ID 3/3
M	ST02	329 Transaction Set Control Number	M AN 4/9

**Segment:** **BCH** Beginning Segment for Purchase Order Change  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	BCH01	353 Transaction Set Purpose Code	M ID 2/2
		04 Change	
M	BCH02	92 Purchase Order Type Code	M ID 2/2
		CN Consigned Order	
		CP Change to Purchase Order	
M	BCH03	324 Purchase Order Number	M AN 1/22
	BCH04	328 Release Number	O AN 1/30
M	BCH06	373 Date	M DT 8/8

**Segment:** **CUR** Currency  
**Position:** 040  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:**

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.



# SFC Global Supply Chain, Inc. Purchasing

- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	CUR01	98	Entity Identifier Code	M ID 2/3
		BY	Buying Party (Purchaser)	
M	CUR02	100	Currency Code	M ID 3/3

**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier	M ID 2/3
		AN	Associated Purchase Orders	
		PHC	Process Handling Code	
	REF02	127	Reference Identification	X AN 1/30
If REF01 equals "AN", Purchase Order Number to be shipped on same load. If REF01 equals "PHC", send an email acknowledgment. The PER06 field will have the email address.				

**Segment:** **FOB** F.O.B. Related Instructions  
**Position:** 080  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:**

- 1 If FOB03 is present, then FOB02 is required.
- 2 If FOB04 is present, then FOB05 is required.
- 3 If FOB07 is present, then FOB06 is required.
- 4 If FOB08 is present, then FOB09 is required.



# SFC Global Supply Chain, Inc. Purchasing

## Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	FOB01	146	Shipment Method of Payment	M ID 2/2
		CC	Collect	
		PB	Customer Pick-up/Backhaul	
	FOB04	334	Transportation Terms Qualifier Code	O ID 2/2
		01	Incoterms	
	FOB05	335	Transportation Terms Code	X ID 3/3
		FOB	Free on Board	
	FOB06	309	Location Qualifier	X ID 1/2
		AC	City and State	
	FOB07	352	Description	O AN 1/80

**Segment:** **ITD** Terms of Sale/Deferred Terms of Sale  
**Position:** 130  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 5  
**Syntax Notes:**

- 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

## Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
	ITD01	336	Terms Type Code	O ID 2/2
		01	Basic	
	ITD03	338	Terms Discount Percent	O R 1/6
	ITD05	351	Terms Discount Days Due	X N0 1/3
	ITD07	386	Terms Net Days	O N0 1/3
	ITD12	352	Description	O AN 1/80

**Segment:** **TD5** Carrier Details (Routing Sequence/Transit Time)  
**Position:** 240  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Syntax Notes:**

- 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
- 2 If TD502 is present, then TD503 is required.
- 3 If TD507 is present, then TD508 is required.
- 4 If TD510 is present, then TD511 is required.
- 5 If TD513 is present, then TD512 is required.



## SFC Global Supply Chain, Inc. Purchasing

- 6 If TD514 is present, then TD513 is required.
- 7 If TD515 is present, then TD512 is required.

### Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
TD501	133	Routing Sequence Code	O ID 1/2
		O Origin Carrier (Air, Motor, or Ocean)	
TD504	91	Transportation Method/Type Code	X ID 1/2
		H Customer Pickup	
		M Motor (Common Carrier)	

**Segment:** **N9** Reference Identification  
**Position:** 285  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

### Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M N901	128	Reference Identification Qualifier	M ID 2/3
		L1 Letters or Notes	
N902	127	Reference Identification	X AN 1/30
		DEL Delivery Instructions	
		NOTES Comments	

**Segment:** **MSG** Message Text  
**Position:** 290  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1000  
**Syntax Notes:**

- 1 If MSG03 is present, then MSG02 is required.

### Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M MSG01	933	Free-Form Message Text	M AN 1/264



## SFC Global Supply Chain, Inc. Purchasing

**Segment:** **N1** Name  
**Position:** 300  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.

### Data Element Summary

M	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
	N101	98	Entity Identifier Code	M ID 2/3
			BT Bill-to-Party	
			MF Manufacturer of Goods	
			SF Ship From	
			ST Ship To	
	N102	93	Name	X AN 1/60
	N103	66	Identification Code Qualifier	X ID 1/2
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		92	Assigned by Buyer or Buyer's Agent	
	N104	67	Identification Code	X AN 2/80
			This value will be the Schwan's Number.	

**Segment:** **N3** Address Information  
**Position:** 320  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Syntax Notes:**

### Data Element Summary

M	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
	N301	166	Address Information	M AN 1/55
	N302	166	Address Information	O AN 1/55

**Segment:** **N4** Geographic Location  
**Position:** 330  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:** 1 If N406 is present, then N405 is required.



# SFC Global Supply Chain, Inc. Purchasing

## Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
N401	19 City Name	O AN 2/30
N402	156 State or Province Code	O ID 2/2
N403	116 Postal Code	O ID 3/15
N404	26 Country Code	O ID 2/3

**Segment:** **PER** Administrative Communications Contact  
**Position:** 350  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:**

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

## Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
M PER01	366 Contact Function Code DC Delivery Contact	M ID 2/2
PER02	93 Name	O AN 1/60
PER03	365 Communication Number Qualifier TE Telephone	X ID 2/2
PER04	364 Communication Number	X AN 1/80
PER05	365 Communication Number Qualifier EM Electronic Mail	X ID 2/2
PER06	364 Communication Number	X AN 1/80

**Segment:** **POC** Line Item Change  
**Position:** 010  
**Loop:** POC Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:**

- 1 If POC03 is present, then both POC04 and POC05 are required.
- 2 If POC07 is present, then POC06 is required.
- 3 If either POC08 or POC09 is present, then the other is required.
- 4 If either POC10 or POC11 is present, then the other is required.
- 5 If either POC12 or POC13 is present, then the other is required.
- 6 If either POC14 or POC15 is present, then the other is required.
- 7 If either POC16 or POC17 is present, then the other is required.
- 8 If either POC18 or POC19 is present, then the other is required.



# SFC Global Supply Chain, Inc. Purchasing

- 9 If either POC20 or POC21 is present, then the other is required.
- 10 If either POC22 or POC23 is present, then the other is required.
- 11 If either POC24 or POC25 is present, then the other is required.
- 12 If either POC26 or POC27 is present, then the other is required.

**Notes:** When the Order Acknowledgment, Ship Notice/Manifest, or Invoice is sent, it must have the Schwan's Product Code (PI) and the Assigned Identification (POC01) that was sent on the Purchase Order Change Request.

PI (Purchase's Item Code) is the Schwan's Product Code.  
 UA (UPC/EAN Case Code) is the value that is maintained on Schwan's Product Master.  
 VC (Vendor's Catalog Number) is the value that is maintained on Schwan's Vendor's Info Master.

Please note that NOT all Schwan's Product Codes have a maintained UPC Code.

When the Order Acknowledgment, Ship Notice/Manifest, or Invoice is sent, it must have the Unit of Measure that was on the Purchase Order Change Request. Example: If LB (Pound) was sent on Purchase Order Change Request, then LB (Pound) must be sent on the Order Acknowledgment, Ship Notice/Manifest, or Invoice.

### Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
	POC01	350	Assigned Identification	O AN 1/20
			When the Order Acknowledgment, Ship Notice/Manifest, or Invoice is sent, it must have the Assigned Identification that was sent on the Purchase Order Change Request.	
M	POC02	670	Change or Response Type Code	M ID 2/2
			RZ will be sent in POC02 for all transactions.	
			RZ	Replace All Values
	POC03	330	Quantity Ordered	O R 1/15
	POC04	671	Quantity Left to Receive	X R 1/9
	POC05	C001	Composite Unit of Measure	X
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			When the Order Acknowledgment, Ship Notice/Manifest, or Invoice is sent, it must have the Unit of Measure that was on the Purchase Order Change Request. Example: If LB (Pound) was sent on Purchase Order Change Request, then LB (Pound) must be sent on the Order Acknowledgment, Ship Notice/Manifest, or Invoice.	
			BG	Bag
			BX	Box
			CA	Case
			DZ	Dozen
			EA	Each
			FT	Foot
			GA	Gallon
			KG	Kilogram
			LB	Pound
			LO	Lot



## SFC Global Supply Chain, Inc. Purchasing

		LT	Liter		
		PC	Piece		
		PH	Pack (PAK)		
		PR	Pair		
		RL	Roll		
<b>POC06</b>	<b>212</b>	<b>Unit Price</b>		<b>X</b>	<b>R 1/17</b>
<b>POC08</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>		<b>X</b>	<b>ID 2/2</b>
		PI	Purchaser's Item Code		
		UA	U.P.C./EAN Case Code (2-5-5)		
		VC	Vendor's (Seller's) Catalog Number		
<b>POC09</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>AN 1/48</b>
<b>POC10</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>		<b>X</b>	<b>ID 2/2</b>
		PI	Purchaser's Item Code		
		UA	U.P.C./EAN Case Code (2-5-5)		
		VC	Vendor's (Seller's) Catalog Number		
<b>POC11</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>AN 1/48</b>
<b>POC12</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>		<b>X</b>	<b>ID 2/2</b>
		PI	Purchaser's Item Code		
		UA	U.P.C./EAN Case Code (2-5-5)		
		VC	Vendor's (Seller's) Catalog Number		
<b>POC13</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>AN 1/48</b>

**Segment:** **PID** Product/Item Description  
**Position:** 050  
**Loop:** PID Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:**

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349 Item Description Type	M ID 1/1
		F Free-form	
	PID05	352 Description	X AN 1/80

**Segment:** **REF** Reference Identification  
**Position:** 100  
**Loop:** POC Optional  
**Level:** Detail



# SFC Global Supply Chain, Inc. Purchasing

**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Notes:** This value will be the Schwan's Contract Number.

### Data Element Summary

Ref.	Data	Name		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			BD Bid Number	
	REF02	127	Reference Identification	X AN 1/30

**Segment:** **DTM** Date/Time Reference  
**Position:** 200  
**Loop:** POC Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

### Data Element Summary

Ref.	Data	Name		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			002 Delivery Requested	
			010 Requested Ship	
	DTM02	373	Date	X DT 8/8

**Segment:** **TXI** Tax Information  
**Position:** 290  
**Loop:** POC Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:**

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

### Data Element Summary

Ref.	Data	Name		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	TXI01	963	Tax Type Code	M ID 2/2
			TX All Taxes	



## SFC Global Supply Chain, Inc. Purchasing

<b>TXI06</b>	<b>441</b>	<b>Tax Exempt Code</b>	<b>X ID 1/1</b>
		1	Yes (Tax Exempt)
		2	No (Not Tax Exempt)

**Segment:** **CTT** Transaction Totals  
**Position:** 010  
**Loop:** CTT Optional  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:** 1 If either CTT03 or CTT04 is present, then the other is required.  
 2 If either CTT05 or CTT06 is present, then the other is required.

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
M	CTT01	354	Number of Line Items	M N0 1/6

**Segment:** **SE** Transaction Set Trailer  
**Position:** 030  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments	M N0 1/10
M	SE02	329	Transaction Set Control Number	M AN 4/9



# SFC Global Supply Chain, Inc. Purchasing

## 860 Purchase Order Change Request – Buyer Initiated – Sample Data

ISA\*00\* \*00\* \*01\*022865398 \*01\*908887732000 \*141211\*1112\*U\*00501\*000000007\*0\*T\*|~  
GS\*PC\*022865398\*908887732000\*20141211\*1615\*7\*X\*004010~  
ST\*860\*0007~  
BCH\*04\*CP\*4006860\*\*\*20141211~  
CUR\*BY\*USD~  
ITD\*01\*\*0035\*\*60\*\*120\*\*\*\*\*GENERAL PURPOSE~  
TD5\*O\*\*\*M~  
N9\*L1\*NOTES~  
MSG\*FREE FORM MESSAGE TEXT~  
N1\*BT\*SFC GLOBAL SUPPLY CHAIN, INC.\*9\*022865398~  
N1\*SF\*ARTHUR JONES\*92\*0000121857~  
N3\*PO BOX 123\*157 WEST 57TH STREET~  
N4\*CINCINNATI\*OH\*43017\*US~  
N1\*MF\*MAGGIE MCGILLICUTTY\*92\*0000121857~  
N3\*103 NORTH MAIN STREET\*PO BOX 123~  
N4\*COLUMBUS\*OH\*43017\*US~  
N1\*ST\*Ice Cream Plant\*92\*0018~  
N3\*600 Michigan~  
N4\*Marshall\*MN\*56258\*US~  
PER\*DC\*BEVERLY SIMPSON\*TE\*(614)555-1212\*EM\*EMAIL@EMAIL.COM~  
POC\*00010\*RZ\*455\*455\*CA\*1.234\*\*PI\*1837~  
PID\*F\*\*\*\*GENERAL PURPOSE~  
DTM\*002\*20141211~  
TXI\*TX\*\*\*\*\*1~  
POC\*00020\*RZ\*405\*405\*CA\*1.24\*\*PI\*1837~  
PID\*F\*\*\*\*GENERAL PURPOSE~  
DTM\*002\*20141211~  
TXI\*TX\*\*\*\*\*1~  
CTT\*2~  
SE\*28\*0007~  
GE\*1\*7~  
IEA\*1\*000000007~



# SFC Global Supply Chain, Inc. Purchasing

## 855 Purchase Order Acknowledgment

Functional Group ID=**PR**

### Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

### Notes:

When the Purchase Order Acknowledgment is sent, the following information must be sent.

- VN = Vendor Order Number - See the REF Segment for details.
- Assigned Identification - See the PO1 Segment for details.
- Schwan's Product Code (PI) - See the PO1 Segment for details.
- Quantity being confirmed - See the PO1 Segment for details.

The Unit of Measure that was on the Purchase Order must be sent on the Purchase Order Acknowledgment. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Purchase Order Acknowledgment.

The Order Acknowledgment should be sent within 48 hours after the Purchase Order was sent.

### Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
Must Use	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
						LOOP ID - N9	1000
	280	N9	Reference Identification	O	1		
	290	MSG	Message Text	O	1000		
						LOOP ID - N1	200
Must Use	300	N1	Name	O	1		
Must Use	320	N3	Address Information	O	2		
Must Use	330	N4	Geographic Location	O	1		

### Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - PO1	100000
Must Use	010	PO1	Baseline Item Data	O	1		n1



## SFC Global Supply Chain, Inc. Purchasing

		LOOP ID - PID		1000
	050	PID	Product/Item Description	O 1
Must Use	100	REF	Reference Identification	O >1
	100	REF	Reference Identification	O >1
Must Use	200	DTM	Date/Time Reference	O 10

### Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - CTT			1	
Must Use	010	CTT	Transaction Totals	O	1		n2
M	030	SE	Transaction Set Trailer	M	1		

### Transaction Set Notes

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.



# SFC Global Supply Chain, Inc. Purchasing



# SFC Global Supply Chain, Inc. Purchasing



# SFC Global Supply Chain, Inc. Purchasing

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	ST01	143 Transaction Set Identifier Code	M ID 3/3
M	ST02	329 Transaction Set Control Number	M AN 4/9

**Segment:** **BAK** Beginning Segment for Purchase Order Acknowledgment  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	BAK01	353 Transaction Set Purpose Code	M ID 2/2
		00 Original	
		04 Change	
M	BAK02	587 Acknowledgment Type	M ID 2/2
		AC Acknowledge - With Detail and Change	
		AT Accepted	
M	BAK03	324 Purchase Order Number	M AN 1/22
M	BAK04	373 Date	M DT 8/8

**Segment:** **TD5** Carrier Details (Routing Sequence/Transit Time)  
**Position:** 240  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 12  
**Syntax Notes:**

- 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
- 2 If TD502 is present, then TD503 is required.
- 3 If TD507 is present, then TD508 is required.
- 4 If TD510 is present, then TD511 is required.
- 5 If TD513 is present, then TD512 is required.



# SFC Global Supply Chain, Inc. Purchasing

- 6 If TD514 is present, then TD513 is required.
- 7 If TD515 is present, then TD512 is required.

### Data Element Summary

Ref. <u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
TD504	91	Transportation Method/Type Code	X ID 1/2
		H Customer Pickup	
		M Motor (Common Carrier)	

**Segment:** **N9** Reference Identification  
**Position:** 280  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

### Data Element Summary

Ref. <u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M N901	128	Reference Identification Qualifier	M ID 2/3
		L1 Letters or Notes	
N902	127	Reference Identification	X AN 1/30

**Segment:** **MSG** Message Text  
**Position:** 290  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1000  
**Syntax Notes:**

- 1 If MSG03 is present, then MSG02 is required.

### Data Element Summary

Ref. <u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M MSG01	933	Free-Form Message Text	M AN 1/264

**Segment:** **N1** Name  
**Position:** 300  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)



## SFC Global Supply Chain, Inc. Purchasing

- Max Use:** 1  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98 Entity Identifier Code	M ID 2/3
		MF Manufacturer of Goods	
		SF Ship From	
		ST Ship To	
	N102	93 Name	X AN 1/60
	N103	66 Identification Code Qualifier	X ID 1/2
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		92 Assigned by Buyer or Buyer's Agent	
	N104	67 Identification Code	X AN 2/80
		This value will be the Schwan's Number.	

- Segment:** **N3** Address Information  
**Position:** 320  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 2  
**Syntax Notes:**

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166 Address Information	M AN 1/55
	N302	166 Address Information	O AN 1/55

- Segment:** **N4** Geographic Location  
**Position:** 330  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Syntax Notes:** 1 If N406 is present, then N405 is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
	N401	19 City Name	O AN 2/30
	N402	156 State or Province Code	O ID 2/2



# SFC Global Supply Chain, Inc. Purchasing

N403	116	Postal Code	O ID 3/15
N404	26	Country Code	O ID 2/3

**Segment:** **PO1** Baseline Item Data

**Position:** 010

**Loop:** PO1 Optional (Must Use)

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 1

**Syntax Notes:**

- 1 If PO103 is present, then PO102 is required.
- 2 If PO105 is present, then PO104 is required.
- 3 If either PO106 or PO107 is present, then the other is required.
- 4 If either PO108 or PO109 is present, then the other is required.
- 5 If either PO110 or PO111 is present, then the other is required.
- 6 If either PO112 or PO113 is present, then the other is required.
- 7 If either PO114 or PO115 is present, then the other is required.
- 8 If either PO116 or PO117 is present, then the other is required.
- 9 If either PO118 or PO119 is present, then the other is required.
- 10 If either PO120 or PO121 is present, then the other is required.
- 11 If either PO122 or PO123 is present, then the other is required.
- 12 If either PO124 or PO125 is present, then the other is required.

**Notes:** When the Purchase Order Acknowledgment is sent, it must have the Schwan's Product Code (PI) and the Assigned Identification (PO101) that was sent on the Purchase Order.

PI (Purchase's Item Code) is the Schwan's Product Code.  
 UA (UPC/EAN Case Code) is the value that is maintained on Schwan's Product Master.  
 VC (Vendor's Catalog Number) is the value that is maintained on Schwan's Vendor's Info Master.

Please note that NOT all Schwan's Product Codes have a maintained UPC Code.

The Unit of Measure that was on the Purchase Order must be sent on the Purchase Order Acknowledgment. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Purchase Order Acknowledgment.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M/U	PO101	350 Assigned Identification	O AN 1/20
		The Assigned Identification that was on the Purchase Order must be sent on the Order Acknowledgment.	
	PO102	330 Quantity Ordered	X R 1/15
		The Quantity Ordered must be in the Unit of Measure that was sent on the Purchase Order.	
	PO103	355 Unit or Basis for Measurement Code	O ID 2/2
		The Unit of Measure that was on the Purchase Order must be sent on the Order Acknowledgment. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Order Acknowledgment.	
		BG	Bag
		BX	Box



## SFC Global Supply Chain, Inc. Purchasing

CA	Case
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
KG	Kilogram
LB	Pound
LO	Lot
LT	Liter
PC	Piece
PH	Pack (PAK)
PR	Pair
RL	Roll

<b>PO104</b>	<b>212</b>	<b>Unit Price</b>	<b>X</b>	<b>R 1/17</b>
<b>PO106</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		PI Purchaser's Item Code		
		UA U.P.C./EAN Case Code (2-5-5)		
		VC Vendor's (Seller's) Catalog Number		
<b>PO107</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
<b>PO108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		PI Purchaser's Item Code		
		UA U.P.C./EAN Case Code (2-5-5)		
		VC Vendor's (Seller's) Catalog Number		
<b>PO109</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
<b>PO110</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		PI Purchaser's Item Code		
		UA U.P.C./EAN Case Code (2-5-5)		
		VC Vendor's (Seller's) Catalog Number		
<b>PO111</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>

**Segment:** **PID** Product/Item Description  
**Position:** 050  
**Loop:** PID Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:**

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>



## SFC Global Supply Chain, Inc. Purchasing

M	PID01	349	Item Description Type	M ID 1/1
			F Free-form	
	PID05	352	Description	X AN 1/80

**Segment:** **REF** Reference Identification  
**Position:** 100  
**Loop:** PO1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** >1  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier VN Vendor Order Number	M ID 2/3
	REF02	127	Reference Identification	X AN 1/30

**Segment:** **REF** Reference Identification  
**Position:** 100  
**Loop:** PO1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Notes:** This value must be the Schwan's Contract Number.

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier BD Bid Number	M ID 2/3
	REF02	127	Reference Identification	X AN 1/30

**Segment:** **DTM** Date/Time Reference  
**Position:** 200  
**Loop:** PO1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 10  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.



# SFC Global Supply Chain, Inc. Purchasing

3 If either DTM05 or DTM06 is present, then the other is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374 Date/Time Qualifier	M ID 3/3
<p>When the Purchase Order is a Customer Pickup (TD504 = 'H'), you need to send the Requested Pick-up date (DTM01 = '118').</p> <p>When the Purchase Order is a Motor (TD504 = 'M'), you need to send the Current Schedule Delivery date (DTM01 = '067').</p>			
		067 Current Schedule Delivery	
		118 Requested Pick-up	
	DTM02	373 Date	X DT 8/8

Segment: **CTT** Transaction Totals  
 Position: 010  
 Loop: CTT Optional (Must Use)  
 Level: Summary  
 Usage: Optional (Must Use)  
 Max Use: 1  
 Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.  
 2 If either CTT05 or CTT06 is present, then the other is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354 Number of Line Items	M N0 1/6

Segment: **SE** Transaction Set Trailer  
 Position: 030  
 Loop: Summary  
 Level: Mandatory  
 Usage: Mandatory  
 Max Use: 1  
 Syntax Notes:

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96 Number of Included Segments	M N0 1/10
M	SE02	329 Transaction Set Control Number	M AN 4/9

## 855 Purchase Order Acknowledgment – Sample Data

ISA\*00\* \*00\* \*01\*022865398 \*01\*9088877320000 \*120828\*0840\*U\*00401\*00000011\*0\*T\*|~



## SFC Global Supply Chain, Inc. Purchasing

GS\*PR\*022865398\*908887732000\*20120828\*1615\*11\*X\*004010~  
ST\*855\*0011~  
BAK\*00\*AT\*4006860\*20120828~  
TD5\*\*\*M~  
N9\*L1\*NOTES~  
MSG\*FREE FORM MESSAGE TEXT~  
N1\*MF\*MAGGIE MCGILLICUTTY\*92\*0000121857~  
N3\*103 NORTH MAIN STREET\*PO BOX 123~  
N4\*COLUMBUS\*OH\*43017\*US~  
N1\*ST\*Ice Cream Plant\*92\*0018~  
N3\*600 Michigan~  
N4\*Marshall\*MN\*56258\*US~  
PO1\*00010\*450\*CA\*1.234\*\*PI\*1837~  
REF\*VN\*3920394930203~  
DTM\*067\*20120828~  
PO1\*00020\*400\*CA\*1.24\*\*PI\*1837~  
REF\*VN\*12345678~  
DTM\*067\*20120829~  
CTT\*2~  
SE\*19\*0011~  
GE\*1\*11~  
IEA\*1\*000000011~



# SFC Global Supply Chain, Inc. Purchasing

## 856 Ship Notice/Manifest

Functional Group ID=**SH**

### Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

### Notes:

When the Ship Notice/Manifest is sent, it must have the Schwan's Product Code (PI) and Assigned Identification that was sent on the Purchase Order.

The Unit of Measure that was on the Purchase Order must be sent on the Ship Notice/Manifest. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Ship Notice/Manifest.

Please note the following are required for all Ship Notice/Manifest.

- Load Number - BSN02
- Bill of Lading Number - REF\*BM segment
- Trailer Number - TD303
- Seal Number - TD309
- Purchase Order Number - PRF01
- Pallet ID bar code - MAN02
- Schwan's Material Number - LIN segment - PI qualifier
- Vendor Batch / Lot - LIN segment - LT qualifier
- Line Item Number (Assigned Identification) - SN101
- Quantity shipped - SN102
- Material Unit of Measure - SN103
- Date of Manufacture - DTM\*405 segment

Vendor Batch / Lot cannot be longer than 15 characters.

### Heading:

	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BSN	Beginning Segment for Ship Notice	M	1		

### Detail:

<u>Pos.</u>	<u>Seg.</u>	<u>Req.</u>	<u>Loop</u>	<u>Notes and</u>
-------------	-------------	-------------	-------------	------------------



## SFC Global Supply Chain, Inc. Purchasing

	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Max.Use</u>	<u>Repeat</u>	<u>Comments</u>
			LOOP ID - HL			200000	
M	010	HL	Hierarchical Level	M	1		c1
Must Use	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Must Use	130	TD3	Carrier Details (Equipment)	O	12		
Must Use	150	REF	Reference Identification	O	>1		
Must Use	200	DTM	Date/Time Reference	O	10		
			LOOP ID - N1			200	
	220	N1	Name	O	1		
	240	N3	Address Information	O	2		
	250	N4	Geographic Location	O	1		
			LOOP ID - HL			200000	
M	010	HL	Hierarchical Level	M	1		
Must Use	050	PRF	Purchase Order Reference	O	1		
Must Use	150	REF	Reference Identification	O	>1		
			LOOP ID - HL			200000	
M	010	HL	Hierarchical Level	M	1		
Must Use	190	MAN	Marks and Numbers	O	>1		
			LOOP ID - HL			200000	
M	010	HL	Hierarchical Level	M	1		
Must Use	020	LIN	Item Identification	O	1		
Must Use	030	SN1	Item Detail (Shipment)	O	1		
	070	PID	Product/Item Description	O	200		
Must Use	200	DTM	Date/Time Reference	O	10		

### Summary:

	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	CTT	Transaction Totals	O	1		n1
M	020	SE	Transaction Set Trailer	M	1		

### Transaction Set Notes

- Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

### Transaction Set Comments

- The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.



# SFC Global Supply Chain, Inc. Purchasing



# SFC Global Supply Chain, Inc. Purchasing



# SFC Global Supply Chain, Inc. Purchasing

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

Ref.	Data Element	Name	Attributes
M	ST01	143 Transaction Set Identifier Code	M ID 3/3
		856 Ship Notice/Manifest	
M	ST02	329 Transaction Set Control Number	M AN 4/9

**Segment:** **BSN** Beginning Segment for Ship Notice  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:** 1 If BSN07 is present, then BSN06 is required.

### Data Element Summary

Ref.	Data Element	Name	Attributes
M	BSN01	353 Transaction Set Purpose Code	M ID 2/2
		00 Original	
		01 Cancellation	
		04 Change	
M	BSN02	396 Shipment Identification	M AN 2/30
M	BSN03	373 Date	M DT 8/8
M	BSN04	337 Time	M TM 4/8

**Segment:** **HL** Hierarchical Level  
**Position:** 010  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

**Ref.**      **Data**



# SFC Global Supply Chain, Inc. Purchasing

	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628	<b>Hierarchical ID Number</b>	M AN 1/12
			The Hierarchical ID Number is a counter, starting with 1 and incrementing by 1 for each occurrence of the HL Segment.	
	HL02	734	<b>Hierarchical Parent ID Number</b>	O AN 1/12
M	HL03	735	<b>Hierarchical Level Code</b>	M ID 1/2
			S Shipment	

**Segment:** **TD5** Carrier Details (Routing Sequence/Transit Time)

**Position:** 120

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 12

**Syntax Notes:**

- 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
- 2 If TD502 is present, then TD503 is required.
- 3 If TD507 is present, then TD508 is required.
- 4 If TD510 is present, then TD511 is required.
- 5 If TD513 is present, then TD512 is required.
- 6 If TD514 is present, then TD513 is required.
- 7 If TD515 is present, then TD512 is required.

### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
TD504	91	<b>Transportation Method/Type Code</b>		X ID 1/2
		H Customer Pickup		
		M Motor (Common Carrier)		

**Segment:** **TD3** Carrier Details (Equipment)

**Position:** 130

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 12

**Syntax Notes:**

- 1 Only one of TD301 or TD310 may be present.
- 2 If TD302 is present, then TD303 is required.
- 3 If TD304 is present, then TD305 is required.
- 4 If either TD305 or TD306 is present, then the other is required.

**Notes:** If multiple seal numbers are on the load, the last seal number applied is required.

### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
TD301	40	<b>Equipment Description Code</b>		X ID 2/2
TD302	206	<b>Equipment Initial</b>		O AN 1/4
TD303	207	<b>Equipment Number</b>		X AN 1/10
TD307	102	<b>Ownership Code</b>		O ID 1/1



## SFC Global Supply Chain, Inc. Purchasing

<b>TD308</b>	<b>407</b>	<b>Seal Status Code</b>	<b>O ID 2/2</b>
		01 Intact	
		03 Missing	
<b>TD309</b>	<b>225</b>	<b>Seal Number</b>	<b>O AN 2/15</b>

**Segment:** **REF** Reference Identification  
**Position:** 150  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** >1  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		BM Bill of Lading Number	
	REF02	127 Reference Identification	X AN 1/30

**Segment:** **DTM** Date/Time Reference  
**Position:** 200  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 10  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374 Date/Time Qualifier	M ID 3/3
		When the Purchase Order is a Customer Pickup (TD504 = 'H'), you need to send the Shipped date (DTM01 = '011').	
		When the Purchase Order is a Motor (TD504 = 'M'), you need to send the Current Schedule Delivery date (DTM01 = '067'). If possible, also send the Shipped date (DTM01 = '011').	
		011 Shipped	
		067 Current Schedule Delivery	
	DTM02	373 Date	X DT 8/8
	DTM03	337 Time	X TM 4/8



# SFC Global Supply Chain, Inc. Purchasing

DTM04      623      Time Code      O    ID 2/2

CT                      Central Time

ET                      Eastern Time

MT                     Mountain Time

PT                     Pacific Time

**Segment:**    **N1** Name

**Position:**    220

**Loop:**        N1    Optional

**Level:**        Detail

**Usage:**        Optional

**Max Use:**     1

**Syntax Notes:**

- 1    At least one of N102 or N103 is required.
- 2    If either N103 or N104 is present, then the other is required.

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	<b>Entity Identifier Code</b>	M    ID 2/3
			MF                      Manufacturer of Goods	
			SF                      Ship From	
			ST                      Ship To	
	N102	93	<b>Name</b>	X    AN 1/60
	N103	66	<b>Identification Code Qualifier</b>	X    ID 1/2
			9                        D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			92                      Assigned by Buyer or Buyer's Agent	
	N104	67	<b>Identification Code</b>	X    AN 2/80
			This value will be the Schwan's Number.	

**Segment:**    **N3** Address Information

**Position:**    240

**Loop:**        N1    Optional

**Level:**        Detail

**Usage:**        Optional

**Max Use:**     2

**Syntax Notes:**

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	<b>Address Information</b>	M    AN 1/55
	N302	166	<b>Address Information</b>	O    AN 1/55

**Segment:**    **N4** Geographic Location

**Position:**    250



## SFC Global Supply Chain, Inc. Purchasing

**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:** 1 If N406 is present, then N405 is required.

### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
N402	156	State or Province Code	O ID 2/2
N403	116	Postal Code	O ID 3/15
N404	26	Country Code	O ID 2/3

**Segment:** **HL** Hierarchical Level  
**Position:** 010  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628 Hierarchical ID Number	M AN 1/12
The Hierarchical ID Number is a counter, starting with 1 and incrementing by 1 for each occurrence of the HL Segment.			
	HL02	734 Hierarchical Parent ID Number	O AN 1/12
M	HL03	735 Hierarchical Level Code	M ID 1/2
		O Order	

**Segment:** **PRF** Purchase Order Reference  
**Position:** 050  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PRF01	324 Purchase Order Number	M AN 1/22



# SFC Global Supply Chain, Inc. Purchasing

**Segment:** **REF** Reference Identification  
**Position:** 150  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** >1  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

### Data Element Summary

Ref.	Data Element	Name	Attributes
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		VN Vendor Order Number	
	REF02	127 Reference Identification	X AN 1/30

**Segment:** **HL** Hierarchical Level  
**Position:** 010  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

Ref.	Data Element	Name	Attributes
M	HL01	628 Hierarchical ID Number	M AN 1/12
The Hierarchical ID Number is a counter, starting with 1 and incrementing by 1 for each occurrence of the HL Segment.			
	HL02	734 Hierarchical Parent ID Number	O AN 1/12
M	HL03	735 Hierarchical Level Code	M ID 1/2
		T Shipping Tare	

**Segment:** **MAN** Marks and Numbers  
**Position:** 190  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** >1  
**Syntax Notes:**

- 1 If either MAN04 or MAN05 is present, then the other is required.
- 2 If MAN06 is present, then MAN05 is required.

### Data Element Summary

Ref. Data



# SFC Global Supply Chain, Inc. Purchasing

	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	MAN01	88	Marks and Numbers Qualifier	M ID 1/2
			AA SCCC-18	
			GM SCCC-18 and Application Identifier	
			S Entire Shipment	
M	MAN02	87	Marks and Numbers	M AN 1/48

The Marks and Numbers field contains the unique pallet id bar code for the ASN line item. This would correspond to the pallet ID bar code, either GS1-128 or SCCC18.

If the ASN line item is for a non palletized product, this value must be a unique number representing the shipment.

**Segment:** **HL** Hierarchical Level  
**Position:** 010  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	HL01	628	Hierarchical ID Number	M AN 1/12
			The Hierarchical ID Number is a counter, starting with 1 and incrementing by 1 for each occurrence of the HL Segment.	
	HL02	734	Hierarchical Parent ID Number	O AN 1/12
M	HL03	735	Hierarchical Level Code	M ID 1/2
			P Pack	

**Segment:** **LIN** Item Identification  
**Position:** 020  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Syntax Notes:**

- 1 If either LIN04 or LIN05 is present, then the other is required.
- 2 If either LIN06 or LIN07 is present, then the other is required.
- 3 If either LIN08 or LIN09 is present, then the other is required.
- 4 If either LIN10 or LIN11 is present, then the other is required.
- 5 If either LIN12 or LIN13 is present, then the other is required.
- 6 If either LIN14 or LIN15 is present, then the other is required.
- 7 If either LIN16 or LIN17 is present, then the other is required.
- 8 If either LIN18 or LIN19 is present, then the other is required.
- 9 If either LIN20 or LIN21 is present, then the other is required.
- 10 If either LIN22 or LIN23 is present, then the other is required.
- 11 If either LIN24 or LIN25 is present, then the other is required.



## SFC Global Supply Chain, Inc. Purchasing

- 12 If either LIN26 or LIN27 is present, then the other is required.
- 13 If either LIN28 or LIN29 is present, then the other is required.
- 14 If either LIN30 or LIN31 is present, then the other is required.

**Notes:** When the Ship Notice/Manifest is sent, it must have the Schwan's Product Code (PI) that was sent on the Purchase Order.

PI (Purchase's Item Code) is the Schwan's Product Code.  
 UA (UPC/EAN Case Code) is the value that is maintained on Schwan's Product Master.  
 VC (Vendor's Catalog Number) is the value that is maintained on Schwan's Vendor's Info Master.

Please note that NOT all Schwan's Product Codes have a maintained UPC Code.

### Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
M	LIN02	235	Product/Service ID Qualifier	M ID 2/2
			LT Lot Number	
			Lot Number cannot be longer than 15 characters.	
			PI Purchaser's Item Code	
			UA U.P.C./EAN Case Code (2-5-5)	
			VC Vendor's (Seller's) Catalog Number	
M	LIN03	234	Product/Service ID	M AN 1/48
	LIN04	235	Product/Service ID Qualifier	X ID 2/2
			LT Lot Number	
			Lot Number cannot be longer than 15 characters.	
			PI Purchaser's Item Code	
			UA U.P.C./EAN Case Code (2-5-5)	
			VC Vendor's (Seller's) Catalog Number	
	LIN05	234	Product/Service ID	X AN 1/48
	LIN06	235	Product/Service ID Qualifier	X ID 2/2
			LT Lot Number	
			Lot Number cannot be longer than 15 characters.	
			PI Purchaser's Item Code	
			UA U.P.C./EAN Case Code (2-5-5)	
			VC Vendor's (Seller's) Catalog Number	
	LIN07	234	Product/Service ID	X AN 1/48

**Segment:** SN1 Item Detail (Shipment)

**Position:** 030

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 1

**Syntax Notes:** 1 If either SN105 or SN106 is present, then the other is required.

**Notes:** When the Ship Notice/Manifest is sent, it must have the Assigned Identification (PO101) that was sent on the Purchase Order.



# SFC Global Supply Chain, Inc.

## Purchasing

The Unit of Measure that was on the Purchase Order must be sent on the Ship Notice/Manifest. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Ship Notice/Manifest.

### Data Element Summary

Ref.	Data Des.	Element	Name	Attributes
	SN101	350	<b>Assigned Identification</b>	<b>O AN 1/20</b>
			The Assigned Identification that was on the Purchase Order must be sent on the Ship Notice/Manifest.	
M	SN102	382	<b>Number of Units Shipped</b>	<b>M R 1/10</b>
			The Number of Units Shipped must be in the Unit of Measure that was sent on the Purchase Order.	
M	SN103	355	<b>Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
			The Unit of Measure that was on the Purchase Order must be sent on the Ship Notice/Manifest. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Ship Notice/Manifest.	
			BG	Bag
			BX	Box
			CA	Case
			DZ	Dozen
			EA	Each
			FT	Foot
			GA	Gallon
			KG	Kilogram
			LB	Pound
			LO	Lot
			LT	Liter
			PC	Piece
			PH	Pack (PAK)
			PR	Pair
			RL	Roll

**Segment:** **PID** Product/Item Description  
**Position:** 070  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 200  
**Syntax Notes:**

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

### Data Element Summary

**Ref. Data**



# SFC Global Supply Chain, Inc. Purchasing

	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349	Item Description Type	M ID 1/1
	PID05	352	Description	X AN 1/80

**Segment:** **DTM** Date/Time Reference  
**Position:** 200  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 10  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01		374	Date/Time Qualifier	M ID 3/3
				Date of Manufacture	
			405	Production	
	DTM02		373	Date	X DT 8/8

**Segment:** **CTT** Transaction Totals  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Syntax Notes:**

- 1 If either CTT03 or CTT04 is present, then the other is required.
- 2 If either CTT05 or CTT06 is present, then the other is required.

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01		354	Number of Line Items	M N0 1/6

**Segment:** **SE** Transaction Set Trailer  
**Position:** 020  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

Ref.	Data
------	------



# SFC Global Supply Chain, Inc. Purchasing

	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments	M N0 1/10
M	SE02	329	Transaction Set Control Number	M AN 4/9

## 856 Ship Notice/Manifest – Sample Data

```

ISA*00*      *00*      *01*022865398  *01*9088877320000 *130508*1441*U*00401*000000013*0*T*|~
GS*SH*022865398*908887732000*20130508*1615*13*X*004010~
ST*856*0013~
BSN*00*9320109302*20130508*1615~
HL*1**S~
TD5***M~
TD3*RT*AAAA*EQ48495****N*01*30394938483234~
REF*BM*3409672356~
DTM*067*20130510*0718*CT~
DTM*011*20130508*1952*ET~
N1*MF*MAGGIE MCGILLICUTTY*92*0000121857~
N3*103 NORTH MAIN STREET*PO BOX 123~
N4*COLUMBUS*OH*43017*US~
N1*ST*Ice Cream Plant*92*0018~
N3*600 Michigan~
N4*Marshall*MN*56258*US~
HL*2*1*O~
PRF*4006860~
REF*VN*3920394930203~
HL*3*2*T~
MAN*AA*1Z54242X0357922222~
HL*4*3*P~
LIN**PI*1837*LT*1027120001~
SN1*00010*450*CA~
DTM*405*20130416~
HL*5*4*T~
MAN*AA*3939348930IDKDLA~
HL*6*5*P~
LIN**PI*1837*LT*1027120012~
SN1*00020*400*CA~
DTM*405*20130418~
CTT*28~
SE*31*0013~
GE*1*13~
IEA*1*000000013~

```



# SFC Global Supply Chain, Inc. Purchasing

## 810 Invoice

Functional Group ID=**IN**

### Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

### Notes:

When the Invoice is sent, it must have the Schwan's Product Code (PI) and Assigned Identification that was sent on the Purchase Order.

The Unit of Measure that was on the Purchase Order must be sent on the Invoice. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Invoice.

### Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
						LOOP ID - N1	200
	070	N1	Name	O	1		

### Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - IT1	200000
	010	IT1	Baseline Item Data (Invoice)	O	1		
	040	TXI	Tax Information	O	10		
Rec	050	CTP	Pricing Information	O	25		
						LOOP ID - PID	1000
	060	PID	Product/Item Description	O	1		

### Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	TDS	Total Monetary Value Summary	M	1		
	020	TXI	Tax Information	O	10		
						LOOP ID - SAC	25
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Must Use	070	CTT	Transaction Totals	O	1		n1





# SFC Global Supply Chain, Inc. Purchasing



# SFC Global Supply Chain, Inc. Purchasing



# SFC Global Supply Chain, Inc. Purchasing

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	ST01	143 Transaction Set Identifier Code	M ID 3/3
M	ST02	329 Transaction Set Control Number	M AN 4/9

**Segment:** **BIG** Beginning Segment for Invoice  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	BIG01	373 Date	M DT 8/8
M	BIG02	76 Invoice Number	M AN 1/22
	BIG03	373 Date	O DT 8/8
M/U	BIG04	324 Purchase Order Number	O AN 1/22

**Segment:** **N1** Name  
**Position:** 070  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:**

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	N101	98 Entity Identifier Code	M ID 2/3
		BT Bill-to-Party	



# SFC Global Supply Chain, Inc. Purchasing

		RE	Party to receive commercial invoice remittance	
		ST	Ship To	
<b>N102</b>	<b>93</b>	<b>Name</b>		<b>X AN 1/60</b>
<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b>		<b>X ID 1/2</b>
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		92	Assigned by Buyer or Buyer's Agent	
<b>N104</b>	<b>67</b>	<b>Identification Code</b>		<b>X AN 2/80</b>
This value will be the Schwan's Number.				

- Segment:** **IT1** **Baseline Item Data (Invoice)**
- Position:** 010
- Loop:** IT1 Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 1
- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
  - 2 If either IT106 or IT107 is present, then the other is required.
  - 3 If either IT108 or IT109 is present, then the other is required.
  - 4 If either IT110 or IT111 is present, then the other is required.
  - 5 If either IT112 or IT113 is present, then the other is required.
  - 6 If either IT114 or IT115 is present, then the other is required.
  - 7 If either IT116 or IT117 is present, then the other is required.
  - 8 If either IT118 or IT119 is present, then the other is required.
  - 9 If either IT120 or IT121 is present, then the other is required.
  - 10 If either IT122 or IT123 is present, then the other is required.
  - 11 If either IT124 or IT125 is present, then the other is required.

**Notes:** When the Invoice is sent, it must have the Schwan's Product Code (PI) and Assigned Identification (IT101) that was sent on the Purchase Order.

PI (Purchase's Item Code) is the Schwan's Product Code.  
 UA (UPC/EAN Case Code) is the value that is maintained on Schwan's Product Master.  
 VC (Vendor's Catalog Number) is the value that is maintained on Schwan's Vendor's Info Master.

Please note that NOT all Schwan's Product Codes have a maintained UPC Code.

The Unit of Measure that was on the Purchase Order must be sent on the Invoice.  
 Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Invoice.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M/U	IT101	350 <b>Assigned Identification</b>	<b>O AN 1/20</b>
The Assigned Identification that was on the Purchase Order must be sent on the Invoice.			
	IT102	358 <b>Quantity Invoiced</b>	<b>X R 1/10</b>
The Quantity Invoiced must be in the Unit of Measure that was sent on the Purchase Order.			
	IT103	355 <b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>



## SFC Global Supply Chain, Inc. Purchasing

The Unit of Measure that was on the Purchase Order must be sent on the Invoice. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Invoice.

BG	Bag
BX	Box
CA	Case
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
KG	Kilogram
LB	Pound
LO	Lot
LT	Liter
PC	Piece
PH	Pack (PAK)
PR	Pair
RL	Roll

<b>IT104</b>	<b>212</b>	<b>Unit Price</b>	<b>X</b>	<b>R 1/17</b>
<b>IT106</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		PI Purchaser's Item Code		
		UA U.P.C./EAN Case Code (2-5-5)		
		VC Vendor's (Seller's) Catalog Number		
<b>IT107</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
<b>IT108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		PI Purchaser's Item Code		
		UA U.P.C./EAN Case Code (2-5-5)		
		VC Vendor's (Seller's) Catalog Number		
<b>IT109</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
<b>IT110</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		PI Purchaser's Item Code		
		UA U.P.C./EAN Case Code (2-5-5)		
		VC Vendor's (Seller's) Catalog Number		
<b>IT111</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>

**Segment:** **TXI** Tax Information

**Position:** 040

**Loop:** IT1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 10

**Syntax Notes:**

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.



# SFC Global Supply Chain, Inc. Purchasing

## Data Element Summary

Ref.	Data Element	Name	Attributes
M	TXI01	Tax Type Code	M ID 2/2
		TX All Taxes	
	TXI06	Tax Exempt Code	X ID 1/1
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	

**Segment:** **CTP Pricing Information**

**Position:** 050  
**Loop:** IT1 Optional  
**Level:** Detail  
**Usage:** Optional (Recommended)  
**Max Use:** 25

- Syntax Notes:**
- 1 If either CTP04 or CTP05 is present, then the other is required.
  - 2 If CTP06 is present, then CTP07 is required.
  - 3 If CTP09 is present, then CTP02 is required.
  - 4 If CTP10 is present, then CTP02 is required.
  - 5 If CTP11 is present, then CTP03 is required.

## Data Element Summary

Ref.	Data Element	Name	Attributes
	CTP02	Price Identifier Code	X ID 3/3
		ACT Actual	
R	CTP08	Monetary Amount	O R 1/18

**Segment:** **PID Product/Item Description**

**Position:** 060  
**Loop:** PID Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

- Syntax Notes:**
- 1 If PID04 is present, then PID03 is required.
  - 2 At least one of PID04 or PID05 is required.
  - 3 If PID07 is present, then PID03 is required.
  - 4 If PID08 is present, then PID04 is required.
  - 5 If PID09 is present, then PID05 is required.

## Data Element Summary

Ref.	Data Element	Name	Attributes
M	PID01	Item Description Type	M ID 1/1
		F Free-form	
	PID05	Description	X AN 1/80



# SFC Global Supply Chain, Inc. Purchasing

**Segment:** **TDS** Total Monetary Value Summary  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TDS01	610 Amount	M N2 1/15

**Segment:** **TXI** Tax Information  
**Position:** 020  
**Loop:**  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 10  
**Syntax Notes:**

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TXI01	963 Tax Type Code	M ID 2/2
		TX All Taxes	
	TXI02	782 Monetary Amount	X R 1/18

**Segment:** **SAC** Service, Promotion, Allowance, or Charge Information  
**Position:** 040  
**Loop:** SAC Optional  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:**

- 1 At least one of SAC02 or SAC03 is required.
- 2 If either SAC03 or SAC04 is present, then the other is required.
- 3 If either SAC06 or SAC07 is present, then the other is required.
- 4 If either SAC09 or SAC10 is present, then the other is required.
- 5 If SAC11 is present, then SAC10 is required.
- 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
- 7 If SAC14 is present, then SAC13 is required.
- 8 If SAC16 is present, then SAC15 is required.

**Notes:** If an invoice has a charge that is over the following amounts that invoice and all other invoices within the GS grouping will be rejected.  
 Freight (D240) maximum amount can be \$4,000.



# SFC Global Supply Chain, Inc. Purchasing

Pallet (F180) maximum amount can be \$1,000.  
 Supplies (G760) maximum amount can be \$1,000.

For Global Supply Chain only:  
 Fuel (D260) Maximum amount can be the smaller of \$500 or 20% of the total amount.

If the charge is over any of these amounts, send the invoice via Hardcopy.

### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	SAC01	248	Allowance or Charge Indicator	M ID 1/1
		A	Allowance	
		C	Charge	
	SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4
			Certificate of Conformance (B020) is being used for the Certificate of Analysis Charge.	
		B020	Certificate of Conformance	
		D240	Freight	
		D260	Fuel Charge	
		F180	Pallet	
		G760	Set-up	
	SAC05	610	Amount	O N2 1/15
	SAC15	352	Description	X AN 1/80

**Segment:** **CTT** Transaction Totals  
**Position:** 070  
**Loop:**  
**Level:** Summary  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Syntax Notes:** 1 If either CTT03 or CTT04 is present, then the other is required.  
 2 If either CTT05 or CTT06 is present, then the other is required.

### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	CTT01	354	Number of Line Items	M N0 1/6

**Segment:** **SE** Transaction Set Trailer  
**Position:** 080  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**



# SFC Global Supply Chain, Inc. Purchasing

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	SE01	96	Number of Included Segments	M N0 1/10
M	SE02	329	Transaction Set Control Number	M AN 4/9

## 810 Invoice – Sample Data

```

ISA*00*      *00*      *01*908887732000 *01*022865398 *120426*0946*U*00401*000000009*0*T*|~
GS*IN*908887732000*022865398*20120426*1615*9*X*004010~
ST*810*0009~
BIG*20120426*IN834923021*20120426*4006860~
N1*RE*ARTHUR JONES*9*9012345918341~
N1*BT*SFC GLOBAL SUPPLY CHAIN, INC.*9*022865398~
N1*ST*Ice Cream Plant*92*0018~
IT1*00010*450*CA*1.234**PI*1837~
CTP**ACT*****555.30~
IT1*00020*400*CA*1.24**PI*1837~
CTP**ACT*****401.24~
TDS*95754~
SAC*C*D240***100*****FREIGHT CHARGE~
CTT*2~
SE*13*0009~
GE*1*9~
IEA*1*000000009~

```



# SFC Global Supply Chain, Inc. Purchasing

## Bill of Lading Requirements

### Introduction:

This section contains the guidelines on what data elements need to be included on a Bill of Lading.

### Data Requirements at the Header Level:

- Ship-to address
- Ship-from address
- Carrier
- Load Number
- Bill of Lading Number
- Bar code representing the Bill of Lading Number
- Trailer Number
- Seal Number

### Data Requirements at the Detail Level:

- Schwan's Material Number
- Material Description
- Quantity shipped
- Material Unit of Measure
- Date of Manufacture
- Vendor Batch / Lot
- Pallet ID bar code

The detail section of the Bill of Lading should be broken out by pallet and include the pallet ID bar code (see below) to match the data sent in the 856 document



# SFC Global Supply Chain, Inc. Purchasing

## Pallet Label Requirements

### Introduction:

This section contains the format and establishes the data contents of the pallet label that is to be applied to inbound pallets.

### Data Requirements:

Schwan's Supplier Number  
Supplier Name  
Purchase Order Number  
Schwan's Material Number  
Material Description  
Quantity  
Unit of Measure  
Manufactured Date  
Lot code  
Allergen Contents  
Bar Code (See additional detail below)

### Size:

The pallet label must be 4 inches by 6 inches

### Bar Code Requirements:

The bar code format must be either a GS1-128 barcode or an SSCC18 Bar Code

- (The SSCC18 format is preferred)

Both bar code formats must have a human readable number below the bar code

Bar code must be printed in black

When feasible, a pallet should not contain product from multiple manufacturing dates and lots/batches.

- If a pallet is created with material from multiple manufacturing dates and / or batches/lots, multiple pallet labels are required.
- If a pallet is created with material from multiple manufacturing dates and / or batches/lots, a separator needs to be included on the pallet separating the product.
- Allergens must be listed on the bar code as a three character code. The applicable allergens and codes are:

○ Milk or its Derivatives	MLK
○ Eggs or its Derivatives	EGG
○ Wheat or its Derivatives	WHT
○ Soy or its Derivatives	SOY
○ Peanut or its Derivatives	PNT
○ Tree Nuts or Derivatives	NUT
○ Crustaceans	CRS
○ Fish Protein	FSH
○ Mollusks	MOL
○ Seeds & products	SDS



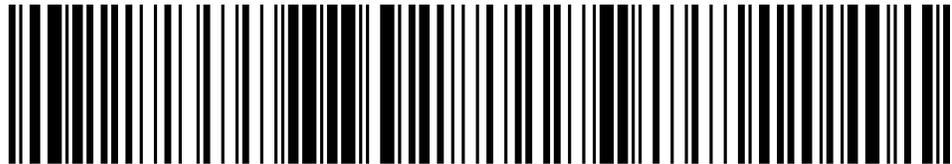
# SFC Global Supply Chain, Inc. Purchasing

Specific requirements of each format follow:

### GS1-128:

- The application identifiers of (01), (11) and (10) must be populated.
- The application identifier of (30) is optional.
- The application identifier of (01) must be used to indicate the bar code is GS1-128 and must be followed by the GS1 Company prefix
- The application identifier of (11) must contain the manufacturing date.
- The application identifier of (30) may contain the quantity.
- The application identifier of (10) must contain the lot or batch.

Here is an example of the GS1-128 bar code:



(01) 007218000116 (11) 020413 (30) 42 (10) 31303005A

Below is an example of the pallet label using a GS1-128 bar code. If the bar code is the GS1-128 format, the orientation of the pallet label must be horizontal.



(01)007218000116(11)020413(30)42(10)31303005A

**Vendor #: 140192      Food Company**

**Purchase Order: 179503**

**Material #: 116      CHS MOZZ LMPS**

**QTY: 42      CSE**

**MFG Date: 02/04/13      Lot Code: 011218562**

**Allergens: MLK, PNT, WHT, SOY, NUT, FSH, SDS, EGG, MOL, CRS**

02/04/13      14:08:35      ISATSLR

### SSCC18

- The application identifier must be (00) to indicate the bar code is SSCC-18
- The first digit after the application identifier is the extension digit
- The next set of digits is the GS1 company prefix. It is 7 – 10 digits.
- Following the company prefix is the serial number.
- The combination of the company prefix and serial number cannot exceed 16 digits.
- The final digit is a check digit calculated by using the Modulo 10 algorithm



# SFC Global Supply Chain, Inc. Purchasing

Here is an example of the SSCC18 bar code:



Here is an example of the pallet label using an SSCC18 bar code. If the bar code is the SSCC18 format, the orientation of the pallet label must be vertical.

**Material #: 116**  
**CHS MOZZ LMPS**  
**Vendor #: 140192**  
**Food Company**

(00)0 072180 31303005A 8

**Purchase Order: 179503**

**QTY: 42      CSE**

**MFG: 02/04/13**

**Lot Code: 011218562**

Allergens: MLK, EGG, WHT, SOY, NUT, FSH  
 SDS, EGG, MOL, CRS

02/04/13      14:08:35      ISATSLR



## SFC Global Supply Chain, Inc. Purchasing

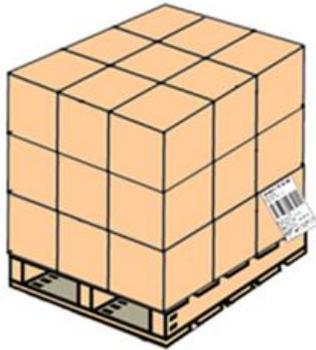
### Placement and Orientation:

A minimum of two labels must be applied per pallet / batch combination. One label must be placed under the shrink wrap in the lower right hand corner of the pallet on the longer (48 inch) side of the pallet. The second label must be applied on the outside of the shrink wrap in the adjacent, shorter (40 inch) side of the pallet. If additional labels are attached, they may be placed per the supplier's discretion.

If the GS1-128 barcode is used, the pallet label must be horizontal (landscaped)

If the SSCC18 barcode is used, the pallet label must be vertical (portrait)

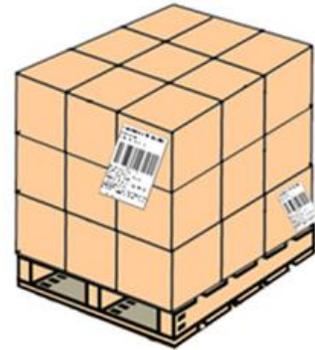
## Label Placement on Pallet



Step 1: Apply first Bar Code Label to Corrugate/ Case 48" side



Step 2: Shrink wrap pallet



Step 3: Apply second Bar Code Label on outside of shrink wrap 40" side



# SFC Global Supply Chain, Inc. Purchasing

## 863 Report of Test Results

Functional Group ID=**RT**

### Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Report of Test Results Transaction Set (863) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to transmit the results of tests performed to satisfy a specified product or process requirement. This includes, but is not limited to, test data such as inspection data, certification data, and statistical process control measurements.

### Notes:

When the Report of Test Results is sent, the following information must be sent.

Assigned Identification - See the LIN Segment for details.

Schwan's Product Code (PI) - See the LIN Segment for details.

### Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BTR	Beginning Segment for Test Results	M	1		
LOOP ID - N1						>1	
	080	N1	Name	O	1		
	100	N3	Address Information	O	2		
	110	N4	Geographic Location	O	1		

### Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - LIN						>1	
Must Use	010	LIN	Item Identification	O	1		
	020	PID	Product/Item Description	O	1000		
Must Use	034	QTY	Quantity	O	10		
Must Use	045	REF	Reference Identification	O	1000		
LOOP ID - CID						>1	
Must Use	060	CID	Characteristic/Class ID	O	1		
Must Use	130	REF	Reference Identification	O	10		
LOOP ID - MEA						>1	
Must Use	150	MEA	Measurements	O	1		
Must Use	170	REF	Reference Identification	O	10		

### Summary:

<u>Pos.</u>	<u>Seg.</u>	<u>Req.</u>	<u>Loop</u>	<u>Notes and</u>
-------------	-------------	-------------	-------------	------------------



# SFC Global Supply Chain, Inc. Purchasing

	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Max.Use</u>	<u>Repeat</u>	<u>Comments</u>
	005	CTT	Transaction Totals	O	1		
M	010	SE	Transaction Set Trailer	M	1		



# SFC Global Supply Chain, Inc. Purchasing



# SFC Global Supply Chain, Inc. Purchasing



# SFC Global Supply Chain, Inc. Purchasing

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	ST01	143 Transaction Set Identifier Code	M ID 3/3
M	ST02	329 Transaction Set Control Number	M AN 4/9

**Segment:** **BTR** Beginning Segment for Test Results  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Syntax Notes:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	BTR01	353 Transaction Set Purpose Code	M ID 2/2
		00 Original	
M	BTR02	373 Date	M DT 8/8
	BTR03	337 Time	O TM 4/8
	BTR05	127 Reference Identification	O AN 1/30
		Schwan Purchase Order Number	
	BTR06	127 Reference Identification	O AN 1/30
		Bill of Lading Number	

**Segment:** **N1** Name  
**Position:** 080  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:**

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

### Data Element Summary



## SFC Global Supply Chain, Inc. Purchasing

M	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	N101	98	Entity Identifier Code	M ID 2/3
			MF Manufacturer of Goods	
			SF Ship From	
			ST Ship To	
	N102	93	Name	X AN 1/60
	N103	66	Identification Code Qualifier	X ID 1/2
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		92	Assigned by Buyer or Buyer's Agent	
	N104	67	Identification Code	X AN 2/80
			This value will be the Schwan's Number.	

**Segment:** N3 Address Information  
**Position:** 100  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Syntax Notes:**

### Data Element Summary

M	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	N301	166	Address Information	M AN 1/55
	N302	166	Address Information	O AN 1/55

**Segment:** N4 Geographic Location  
**Position:** 110  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Syntax Notes:** 1 If N406 is present, then N405 is required.

### Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
N402	156	State or Province Code	O ID 2/2
N403	116	Postal Code	O ID 3/15
N404	26	Country Code	O ID 2/3

**Segment:** LIN Item Identification  
**Position:** 010



# SFC Global Supply Chain, Inc. Purchasing

**Loop:** LIN    Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Syntax Notes:**

- 1 If either LIN04 or LIN05 is present, then the other is required.
- 2 If either LIN06 or LIN07 is present, then the other is required.
- 3 If either LIN08 or LIN09 is present, then the other is required.
- 4 If either LIN10 or LIN11 is present, then the other is required.
- 5 If either LIN12 or LIN13 is present, then the other is required.
- 6 If either LIN14 or LIN15 is present, then the other is required.
- 7 If either LIN16 or LIN17 is present, then the other is required.
- 8 If either LIN18 or LIN19 is present, then the other is required.
- 9 If either LIN20 or LIN21 is present, then the other is required.
- 10 If either LIN22 or LIN23 is present, then the other is required.
- 11 If either LIN24 or LIN25 is present, then the other is required.
- 12 If either LIN26 or LIN27 is present, then the other is required.
- 13 If either LIN28 or LIN29 is present, then the other is required.
- 14 If either LIN30 or LIN31 is present, then the other is required.

**Notes:** When the Report of Test Results is sent, it must have the Schwan's Product Code (PI) and the Assigned Identification that was sent on the Purchase Order.

PI (Purchase's Item Code) is the Schwan's Product Code.  
 UA (UPC/EAN Case Code) is the value that is maintained on Schwan's Product Master.  
 VC (Vendor's Catalog Number) is the value that is maintained on Schwan's Vendor's Info Master.

Please note that NOT all Schwan's Product Codes have a maintained UPC Code.

### Data Element Summary

Ref.	Data				
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>	
LIN01	350	Assigned Identification		O	AN 1/20
		The Assigned Identification that was on the Purchase Order must be sent on the Report of Test Results.			
M	LIN02	235	Product/Service ID Qualifier	M	ID 2/2
		PI	Purchaser's Item Code		
		UA	U.P.C./EAN Case Code (2-5-5)		
		VC	Vendor's (Seller's) Catalog Number		
M	LIN03	234	Product/Service ID	M	AN 1/48
	LIN04	235	Product/Service ID Qualifier	X	ID 2/2
		PI	Purchaser's Item Code		
		UA	U.P.C./EAN Case Code (2-5-5)		
		VC	Vendor's (Seller's) Catalog Number		
	LIN05	234	Product/Service ID	X	AN 1/48
	LIN06	235	Product/Service ID Qualifier	X	ID 2/2
		PI	Purchaser's Item Code		
		UA	U.P.C./EAN Case Code (2-5-5)		
		VC	Vendor's (Seller's) Catalog Number		
	LIN07	234	Product/Service ID	X	AN 1/48



# SFC Global Supply Chain, Inc. Purchasing

**Segment:** **PID** **Product/Item Description**  
**Position:** 020  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1000  
**Syntax Notes:**

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	PID01	349	Item Description Type	M ID 1/1
		F	Free-form	
	PID05	352	Description	X AN 1/80

**Segment:** **QTY** **Quantity**  
**Position:** 034  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 10  
**Syntax Notes:**

- 1 At least one of QTY02 or QTY04 is required.
- 2 Only one of QTY02 or QTY04 may be present.

**Notes:** The Unit of Measure that was on the Purchase Order must be sent on the Report of Test Results. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Report of Test Results.

### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	QTY01	673	Quantity Qualifier	M ID 2/2
		39	Shipped Quantity	
		SW	Sample Amount	
	QTY02	380	Quantity	X R 1/15
			The Quantity must be in the Unit of Measure that was sent on the Purchase Order.	
	QTY03	C001	Composite Unit of Measure	O
			The Unit of Measure that was on the Purchase Order must be sent on the Report of Test Results. Example: If LB (Pound) was sent on Purchase Order, then LB (Pound) must be sent on the Report of Test Results.	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
		BG	Bag	
		BX	Box	
		CA	Case	



# SFC Global Supply Chain, Inc. Purchasing

DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
KG	Kilogram
LB	Pound
LO	Lot
LT	Liter
PC	Piece
PH	Pack (PAK)
PR	Pair
RL	Roll

**Segment:** **REF** Reference Identification  
**Position:** 045  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1000  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		7D Tester Identification	
		LT Lot Number	
	REF02	127 Reference Identification	X AN 1/30
		Testing Lot Number when REF01 = LT	
		Tester Name when REF01 = 7D	
	REF03	352 Description	X AN 1/80

**Segment:** **CID** Characteristic/Class ID  
**Position:** 060  
**Loop:** CID Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Syntax Notes:**

- 1 At least one of CID01 CID02 CID04 or CID05 is required.
- 2 If either CID03 or CID04 is present, then the other is required.
- 3 If CID06 is present, then both CID03 and CID04 are required.
- 4 If CID07 is present, then at least one of CID04 or CID05 is required.

### Data Element Summary



# SFC Global Supply Chain, Inc. Purchasing

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
CID02	750	Product/Process Characteristic Code	X ID 2/3

When the Product Characteristic Code = 13, the REF segment (Position 130) must be used.

When the Product Characteristic Code = 68, the MEA segment (Position 150) and REF segment (Position 170) must be used.

13	Quality (Quality Level)
68	Chemistry

- Segment:** **REF** Reference Identification
- Position:** 130
- Loop:** CID Optional (Must Use)
- Level:** Detail
- Usage:** Optional (Must Use)
- Max Use:** 10
- Syntax Notes:**
- 1 At least one of REF02 or REF03 is required.
  - 2 If either C04003 or C04004 is present, then the other is required.
  - 3 If either C04005 or C04006 is present, then the other is required.

### Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M REF01	128	Reference Identification Qualifier	M ID 2/3

A1 Analysis number/Test number

REF02	127	Reference Identification	X AN 1/30
-------	-----	--------------------------	-----------

See Schwan Characteristic table for the value that needs to be used for each test characteristic.

REF03	352	Description	X AN 1/80
-------	-----	-------------	-----------

See Schwan Characteristic table for the Unit of Measure that needs to be used for each test characteristic.

- Segment:** **MEA** Measurements
- Position:** 150
- Loop:** MEA Optional (Must Use)
- Level:** Detail
- Usage:** Optional (Must Use)
- Max Use:** 1
- Syntax Notes:**
- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
  - 2 If MEA05 is present, then MEA04 is required.
  - 3 If MEA06 is present, then MEA04 is required.
  - 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
  - 5 Only one of MEA08 or MEA03 may be present.

### Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
----------------------------	-------------------------------	-------------	-------------------



# SFC Global Supply Chain, Inc. Purchasing

**MEA03      739      Measurement Value      X      R 1/20**

**Segment:**      **REF** Reference Identification  
**Position:**      170  
**Loop:**      MEA      Optional (Must Use)  
**Level:**      Detail  
**Usage:**      Optional (Must Use)  
**Max Use:**      10  
**Syntax Notes:**      1      At least one of REF02 or REF03 is required.  
                                  2      If either C04003 or C04004 is present, then the other is required.  
                                  3      If either C04005 or C04006 is present, then the other is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128      Reference Identification Qualifier A1                                      Analysis number/Test number	M      ID 2/3
	REF02	127      Reference Identification See Schwan Characteristic table for the value that needs to be used for each test characteristic.	X      AN 1/30
	REF03	352      Description See Schwan Characteristic table for the Unit of Measure that needs to be used for each test characteristic.	X      AN 1/80

**Segment:**      **CTT** Transaction Totals  
**Position:**      005  
**Loop:**  
**Level:**      Summary  
**Usage:**      Optional  
**Max Use:**      1  
**Syntax Notes:**      1      If either CTT03 or CTT04 is present, then the other is required.  
                                  2      If either CTT05 or CTT06 is present, then the other is required.

### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354      Number of Line Items	M      N0 1/6

**Segment:**      **SE** Transaction Set Trailer  
**Position:**      010  
**Loop:**  
**Level:**      Summary  
**Usage:**      Mandatory  
**Max Use:**      1  
**Syntax Notes:**



# SFC Global Supply Chain, Inc. Purchasing

## Data Element Summary

	<b>Ref.</b>	<b>Data</b>		
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	<b><u>Attributes</u></b>
M	SE01	96	Number of Included Segments	M N0 1/10
M	SE02	329	Transaction Set Control Number	M AN 4/9



SFC Global Supply Chain, Inc.
Purchasing

863 Report of Test Results – Sample Data

ISA\*00\* \*00\* \*01\*908887732000 \*01\*022865398 \*131115\*1119\*U\*00501\*00000016\*0\*T\*|~
GS\*RT\*908887732000\*022865398\*20131115\*1615\*16\*X\*004010~
ST\*863\*0016~
BTR\*00\*20131115\*1615\*\*4006860\*3409672356~
N1\*MF\*MAGGIE MCGILLICUTTY\*92\*0000121857~
N3\*103 NORTH MAIN STREET\*PO BOX 123~
N4\*COLUMBUS\*OH\*43017\*US~
N1\*ST\*Ice Cream Plant\*92\*0018~
N3\*600 Michigan\*PO BOX 123~
N4\*Marshall\*MN\*56258\*US~
LIN\*00010\*PI\*1837~
QTY\*39\*1\*CA~
REF\*7D\*TESTER432~
REF\*LT\*1027120001~
CID\*\*13~
REF\*A1\*COLORRED\*RED~
CID\*\*68~
MEA\*\*\*13.1~
REF\*A1\*PROTEIN\*%~
MEA\*\*\*13.99~
REF\*A1\*MOISTURE\*%~
MEA\*\*\*.51~
REF\*A1\*ASH\*%~
MEA\*\*\*237~
REF\*A1\*FALL\_NUM\*S~
MEA\*\*\*8~
REF\*A1\*FAR\_MIXP\*MIN~
LIN\*00020\*PI\*1837~
QTY\*SW\*.500\*DZ~
REF\*7D\*TESTER432~
REF\*LT\*1027120012~
CID\*\*13~
REF\*A1\*COLORRED\*RED~
CID\*\*68~
MEA\*\*\*13.1~
REF\*A1\*PROTEIN\*%~
MEA\*\*\*13.99~
REF\*A1\*MOISTURE\*%~
MEA\*\*\*.51~
REF\*A1\*ASH\*%~
MEA\*\*\*237~
REF\*A1\*FALL\_NUM\*S~
MEA\*\*\*8~
REF\*A1\*FAR\_MIXP\*MIN~
CTT\*10~
SE\*44\*0016~
GE\*1\*16~
IEA\*1\*000000016~



## SFC Global Supply Chain, Inc. Purchasing

### Schwan Characteristic

For questions about which characteristics are required for a product, please send an email to [supplieredisetup@schwans.com](mailto:supplieredisetup@schwans.com).

Description	Schwan Value	UOM
Amylograph	AMYLOGRA	ZBU
Ash	ASH	%
Color Red	COLORRED	None needed
Falling Number	FALL_NUM	S
Farinograph Absorption	FAR_ABSO	%
Farinograph Mixing Peak	FAR_MIXP	MIN
Farinograph MTI	FAR_MTI	ZBU
Farinograph Stability	FAR_STAB	MIN
Fat	FAT	%
Fat Dry	FDB	%
Free Fatty Acids	FFATACID	%
Moisture	MOISTURE	%
OSI @ 110°C	OSI_110C	HR
Peroxide Value	PEROXIDE	mEq/Kg
pH	PH	PH
Protein	PROTEIN	%
Risograph	RISGRAPH	CC
Salt	SALT	%
Trans Fatty Acids	TRANS_FA	%