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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			



Jan 2014	1.9	Remove Schwan's Food Service divisions that are not active.		
Dec 2014	1.10	d the 860 Purchase Order Change Request – Buyer Initiated		
March 2016	1.11	Jpdate 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 <u>supplieredisetup@schwans.com</u>.

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		



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.

	TEST	Production
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.



GENERAL INFORMATION

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

CONTACTS

EDI Support Team	edisupport@schwans.com	
EDI Specialist	Donna Hensel donna.hensel@schwans.com	507-532-3274 Ext. 77200
EDI Specialist	Mike Dunn mike.dunn@schwans.com	507-532-3274 Ext. 72594

For business questions, please send an email to <u>supplieredisetup@schwans.com</u>.

COMMUNICATIONS CAPABILITIES

Currently, we use Liaison Exchange Network for our Van. Email: support@liaison.com Phone: 866-394-3571



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	255 South Street	Pottstown	PA	19464	US
	Supply					
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



EDI ENVELOPE INFORMATION

ISA - Interchange Control Header

ISA*00* *00* *01*022865398 *01*9088877320000 *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

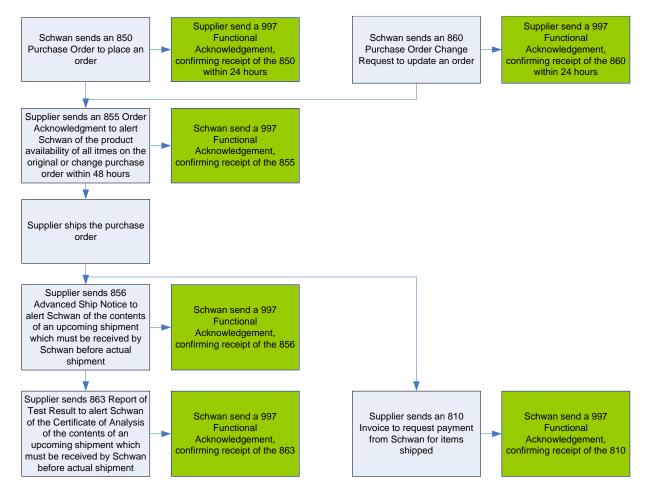
GS*PO*022865398*908887732000*20070703*1615*5*X*004010~

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



EDI FLOWCHART

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





850 Purchase Order

Functional Group ID= \mathbf{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:

М	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
М	020	BEG	Beginning Segment for Purchase Order	М	1		
	040	CUR	Currency	0	1		
	050	REF	Reference Identification	0	>1		
	080	FOB	F.O.B. Related Instructions	0	>1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	0	>1		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
			LOOP ID - N9			1000	
	295	N9	Reference Identification	0	1		
	300	MSG	Message Text	0	1000		
			LOOP ID - N1			200	
	310	N1	Name	0	1		
	330	N3	Address Information	0	2		
	340	N4	Geographic Location	0	>1		
	360	PER	Administrative Communications Contact	0	>1		



Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name LOOP ID - PO1	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u> 100000	Notes and <u>Comments</u>
М	010	PO1	Baseline Item Data	М	1	100000	nl
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	0	1		
	100	REF	Reference Identification	0	>1		
	210	DTM	Date/Time Reference	0	10		
	291	TXI	Tax Information	0	>1		

Summary:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	<u>Max.Use</u>	Loop <u>Repeat</u>	Notes and <u>Comments</u>
			LOOP ID - CTT			1	
	010	CTT	Transaction Totals	0	1		n2
М	030	SE	Transaction Set Trailer	М	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.







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

Data Element Summary

		Dau	i Element Summary		
Ref.	Data				
Des.	Element	<u>Name</u>		Att	ributes
ST01	143	Transaction	Set Identifier Code	Μ	ID 3/3
		850	Purchase Order		
ST02	329	Transaction	Set Control Number	Μ	AN 4/9
	<u>Des.</u> ST01	Des. <u>Element</u> ST01 143	Ref.DataDes.ElementNameST01143Transaction850	Ref.DataDes.ElementST01143Transaction Set Identifier Code850Purchase Order	Des. ST01Element 143Name Transaction Set Identifier CodeAttr850Purchase Order

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

Data Element Summary

	Ref.	Data		·		
	Des.	<u>Element</u>	<u>Name</u>		Att	<u>ributes</u>
Μ	BEG01	353	Transaction	n Set Purpose Code	Μ	ID 2/2
			00	Original		
Μ	BEG02	92	Purchase C	Order Type Code	Μ	ID 2/2
			CN	Consigned Order		
			NE	New Order		
Μ	BEG03	324	Purchase C	Order Number	Μ	AN 1/22
	BEG04	328	Release Nu	mber	0	AN 1/30
Μ	BEG05	373	Date		Μ	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.

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- 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. <u>Des.</u>	Data Element	Name		Attr	ibutes
Μ	CUR01	98	Entity Identifier (Code	M	ID 2/3
			BY	Buying Party (Purchaser)		
Μ	CUR02	100	Currency Code		Μ	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. Des.	Data Element	Name		Δ ffi	ributes
Μ	REF01	128	Reference Io	dentification Qualifier	Μ	ID 2/3
			AN	Associated Purchase Orders		
			PHC	Process Handling Code		
	REF02	127	Reference Io	dentification	Х	AN 1/30
			-	uals "AN", Purchase Order Number to be shipp uals "PHC", send an email acknowledgment. 7 uil address.	-	
	Segment:	FOF	F.O.B. Rel	ated Instructions		

beginent.	
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.



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4 If FOB08 is present, then FOB09 is required.

		Data I	Sement Summary		
Ref. <u>Des.</u> FOB01	Data <u>Element</u> 146	<u>Name</u> Shipment Met	hod of Payment		<u>ributes</u> ID 2/2
		CC	Collect		
		PB	Customer Pick-up/Backhaul		
FOB04	334	Transportation	n Terms Qualifier Code	0	ID 2/2
		01	Incoterms		
FOB05	335	Transportatio	n Terms Code	X	ID 3/3
		FOB	Free on Board		
FOB06	309	Location Qual	ifier	Х	ID 1/2
		AC	City and State		
FOB07	352	Description		0	AN 1/80
Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes:	2 If IT	D03 is present, t D08 is present, t	Deferred Terms of Sale hen at least one of ITD04 ITD05 or IT hen at least one of ITD04 ITD05 or IT hen at least one of ITD10 or ITD11 is	D13 is requi	

Data Element Summary

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
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.

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

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Data Element Summary

Ref. <u>Des.</u> TD501	Data <u>Element</u> 133	<u>Name</u> Routing Sequence	e Code	<u>Attı</u> O	<u>ributes</u> ID 1/2
		0	Origin Carrier (Air, Motor, or Ocean)		
TD504	91	Transportation M	fethod/Type Code	Х	ID 1/2
		Н	Customer Pickup		
		Μ	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.

If either C04005 or C04006 is present, then the other is required. 4

Data Element Summary

Ref. <u>Des.</u> N901	Data <u>Element</u> 128	<u>Name</u> Reference Ide	ntification Qualifier	<u>Attı</u> M	ributes ID 2/3
		L1	Letters or Notes		
N902	127	Reference Ide	ntification	Х	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		
	Des.	Element	Name	Attributes
Μ	MSG01	933	Free-Form Message Text	M AN 1/264

М



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		
Ref. <u>Des.</u> N101	Data <u>Element</u> 98	<u>Name</u> Entity Identi	fier Code	<u>Attı</u> M	<u>ributes</u> ID 2/3
		BT	Bill-to-Party		
		MF	Manufacturer of Goods		
		SF	Ship From		
		ST	Ship To		
N102	93	Name		Х	AN 1/60
N103	66	Identification	n Code Qualifier	Х	ID 1/2
		9	D-U-N-S+4, D-U-N-S Number with Fo	ur Ch	aracter Suffix
		92	Assigned by Buyer or Buyer's Agent		
N104	67	Identification	n Code	Х	AN 2/80
		This value wi	ll 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

Ref.	Data	·	
Des.	Element	<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.

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		Data Element Summary		
Ref.	Data			
Des.	Element	Name	Att	ributes
N401	19	City Name	0	AN 2/30
N402	156	State or Province Code	0	ID 2/2
N403	116	Postal Code	0	ID 3/15
N404	26	Country Code	0	ID 2/3
Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes:	360 N1 C Heading Optional >1	Administrative Communications Contact Dptional ther PER03 or PER04 is present, then the other is required.		
2.j	2 If eit	ther PER05 or PER06 is present, then the other is required. ther PER07 or PER08 is present, then the other is required.		

Data Element Summary

Ref.	Data		·		
Des.	Element	Name		Att	ributes
PER01	366	Contact Fu	inction Code	Μ	ID 2/2
		DC	Delivery Contact		
PER02	93	Name		0	AN 1/60
PER03	365	Communic	Communication Number Qualifier		
		TE	Telephone		
PER04	364	Communic	ation Number	X	AN 1/80
PER05	365	Communic	ation Number Qualifier	X	ID 2/2
		EM	Electronic Mail		
PER06	364	Communic	ation Number	X	AN 1/80

М

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.



- **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

Ref.	Data	Data Elem	lent Summary		
Des.	<u>Element</u>	Name		Attr	ributes
PO101	350	Assigned Identification	0	AN 1/20	
			knowledgment, Ship Notice/Manifest, or		
	•••		gned Identification that was sent on the Pu		
PO102	330	Quantity Ordered		X	R 1/15
PO103	355		Aeasurement Code	0	ID 2/2
			knowledgment, Ship Notice/Manifest, or		
			of Measure that was on the Purchase Ordent on Purchase Order, then LB (Pound) m		-
		. ,	ment, Ship Notice/Manifest, or Invoice.	ust be	sent on the
		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		



		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		
DOAL		UN	Unit		5445
PO104	212	Unit Price		X	R 1/17
PO106	235		vice ID Qualifier	Х	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		
PO107	234	Product/Serv		Х	AN 1/48
PO108	235		vice 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		
PO109	234	Product/Serv		Х	AN 1/48
PO110	235	Product/Serv	vice ID Qualifier	Х	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		
PO111	234	Product/Serv	vice ID	Х	AN 1/48
Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes:	050 PID Detail Optiona 1 1 If P 2 At 1 3 If P 4 If P	ID04 is present, east one of PID ID07 is present, ID08 is present,	 h Description , then PID03 is required. 04 or PID05 is required. , then PID03 is required. , then PID04 is required. , then PID05 is required. 		

Data Element Summary

Data



М	<u>Des.</u> PID01	<u>Element</u> 349	<u>Name</u> Item Description T F	S ype Free-form		ributes ID 1/1		
	PID05	352	Description		X	AN 1/80		
	Segment: Position:	100	Reference Identif	ication				
	Loop: Level: Usage:	PO1 Detail Optional	Mandatory					
	Max Use: Syntax Notes:	2 If eit		REF03 is required. 04 is present, then the other is requ 06 is present, then the other is requ				
	Notes:		e will be the Schwan					
			Data Elem	ent Summary				
	Ref.	Data <u>Element</u>	<u>Name</u>		A ++	<u>ributes</u>		
Μ	<u>Des.</u> REF01	<u>128</u>	Reference Identific	cation Qualifier	M	ID 2/3		
			BD	Bid Number				
	REF02	127	Reference Identifie	cation	X	AN 1/30		
	Segment: DTM Date/Time Reference							
	Position:	210						
	Loop: Level:	PO1 Detail	Mandatory					
	Usage:	Optional						
	Max Use:	10						
	Syntax Notes:	2 If D'	TM04 is present, ther	07M03 or DTM05 is required. 1 DTM03 is required. 106 is present, then the other is requ	ired.			
			Data Elem	ent Summary				
	Ref.	Data				4		
М	<u>Des.</u> DTM01	Element 374	<u>Name</u> Date/Time Qualific	1		<u>ributes</u> ID 3/3		
IVI	DIMOI	574	002	Delivery Requested	171	10 5/5		
			010	Requested Ship				
	DTM02	373	Date		Χ	DT 8/8		
	Sagmante	тхі	Tax Information					
	Segment: Position:	2 91						
	Loop:	PO1	Mandatory					
	Level: Usage: Max Use:	Detail Optional >1						
			20		10 Revision			



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Syntax Notes: 1	At least one	of TXI02 TXI03 or	ΓXI06 is required.
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- 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. <u>Des.</u> TXI01	Data <u>Element</u> 963	<u>Name</u> Tax Type Code	·	Attı M	<u>ributes</u> ID 2/2
		TX	All Taxes		
TXI06	441	Tax Exempt Code		Х	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		
Des.	Element	Name	<u>Attributes</u>
CTT01	354	Number of Line Items	M N0 1/6

Segment:	${f SE}$ Transaction Set Trailer
Position:	030
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Syntax Notes:	

Data Element Summary

		Data Element Summary	
Ref.	Data		
Des.	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
SE01	96	Number of Included Segments	M N0 1/10
SE02	329	Transaction Set Control Number	M AN 4/9
	<u>Des.</u> SE01	Des.ElementSE0196	Ref. Data <u>Des. Element Name</u> SE01 96 Number of Included Segments



850 Purchase Order – Sample Data

00 ISA*00* *01*022865398 *01*9088877320000 *120806*1346*U*00401*000000010*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*00000010~



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:

М	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	Max.Use	Loop <u>Repeat</u>	Notes and <u>Comments</u>
M	020	всн	Beginning Segment for Purchase Order Change	M	1		
	040	CUR	Currency	0	1		
	050	REF	Reference Identification	0	>1		
	080	FOB	F.O.B. Related Instructions	0	>1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	0	5		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
			LOOP ID - N9			1000	
	285	N9	Reference Identification	0	1		
	290	MSG	Message Text	0	1000		
			LOOP ID - N1			200	
	300	N1	Name	0	1		
	320	N3	Address Information	0	2		
	330	N4	Geographic Location	0	>1		

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Detail:

Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u> LOOP ID - POC	Req. <u>Des.</u>	<u>Max.Use</u>	Loop <u>Repeat</u> >1	Notes and <u>Comments</u>
010	POC	Line Item Change	0	1		
		LOOP ID - PID			1000	
050	PID	Product/Item Description	0	1		
100	REF	Reference Identification	0	>1		
200	DTM	Date/Time Reference	0	10		
290	TXI	Tax Information	0	>1		

Summary:

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Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u>	Notes and <u>Comments</u>
		LOOP ID - CTT			1	
010	CTT	Transaction Totals	0	1		n1
030	SE	Transaction Set Trailer	М	1		

Transaction Set Notes

1. 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.

³⁵⁰ PER Administrative Communications Contact O >1







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

Data Element Summary

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

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

Data Element Summary

				ata Element Summary		
	Ref.	Data	N T			•••
	Des.	<u>Element</u>	<u>Name</u>		Atti	<u>ributes</u>
Μ	BCH01	353	Transactio	on Set Purpose Code	Μ	ID 2/2
			04	Change		
Μ	BCH02	92	Purchase	Order Type Code	Μ	ID 2/2
			CN	Consigned Order		
			CP	Change to Purchase Order		
Μ	BCH03	324	Purchase	Order Number	Μ	AN 1/22
	BCH04	328	Release Nu	umber	0	AN 1/30
Μ	BCH06	373	Date		Μ	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.



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- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
 - 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. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>		Attı	ributes
Μ	CUR01	98	Entity Identifier (Code	Μ	ID 2/3
			BY	Buying Party (Purchaser)		
Μ	CUR02	100	Currency Code		Μ	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. <u>Des.</u>	Data Element	Name		Attı	ributes
Μ	REF01	128		dentification Qualifier		ID 2/3
			AN	Associated Purchase Orders		
			PHC	Process Handling Code		
	REF02	127	Reference I	dentification	Х	AN 1/30
			-	uals "AN", Purchase Order Number to be shippe uals "PHC", send an email acknowledgment. Th ail address.		
	Segment: Position:	FOE 080	F .O.B. Re	lated 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.

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	Data Element Summary					
[Ref. <u>Des.</u> FOB01	Data <u>Element</u> 146	<u>Name</u> Shipment Met	hod of Payment		<u>ributes</u> ID 2/2
			CC	Collect		
			PB	Customer Pick-up/Backhaul		
	FOB04	334	Transportatio	n Terms Qualifier Code	0	ID 2/2
			01	Incoterms		
	FOB05	335	Transportatio	n Terms Code	Х	ID 3/3
			FOB	Free on Board		
	FOB06	309	Location Qual	lifier	Х	ID 1/2
			AC	City and State		
	FOB07	352	Description		0	AN 1/80
	Segment:	ITD	Terms of Sale/	/Deferred Terms of Sale		
	Position:	130				
	Loop:					
	Level:	Heading				
	Usage:	Optional				
	Max Use:	5				
	Syntax Notes:		-	then at least one of ITD04 ITD05 or IT	-	
			T .	then at least one of ITD04 ITD05 or IT		red.
		3 If IT	D09 is present, t	then at least one of ITD10 or ITD11 is	required.	

Data Element Summary

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

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

Data Element Summary

Ref. <u>Des.</u>	Data <u>Element</u>	Name		Attı	<u>ributes</u>
TD501	133	Routing Sequence	ce Code	0	ID 1/2
		0	Origin Carrier (Air, Motor, or Ocean)		
TD504	91	Transportation N	Method/Type Code	Х	ID 1/2
		Н	Customer Pickup		
		М	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

Ref. <u>Des.</u> N901	Data <u>Element</u> 128	<u>Name</u> Reference Identific	ation Qualifier	<u>Attr</u> M	<u>ributes</u> ID 2/3
		L1	Letters or Notes		
N902	127	Reference Identific	ation	Х	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

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

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

Segment:	N3	Address Information
Position:	320	
Loop:	N1	Optional
Level:	Headiı	ng
Usage:	Option	nal
Max Use:	2	
Syntax Notes:		

Data Element Summary

Ref.	Data	v	
Des.	Element	<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.

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		Data Element Summary		
Ref.	Data			
Des.	<u>Element</u>	Name	Att	<u>ributes</u>
N401	19	City Name	0	AN 2/30
N402	156	State or Province Code	0	ID 2/2
N403	116	Postal Code	0	ID 3/15
N404	26	Country Code	0	ID 2/3
Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes:	350 N1 C Heading Optional >1 1 If eit 2 If eit	Administrative Communications Contact Dptional ther PER03 or PER04 is present, then the other is required. ther PER05 or PER06 is present, then the other is required. ther PER07 or PER08 is present, then the other is required.		

Data Element Summary

Ref.	Data				
Des.	Element	Name		Attr	ributes
PER01	366	Contact F	unction Code	Μ	ID 2/2
		DC	Delivery Contact		
PER02	93	Name		0	AN 1/60
PER03	365	Communi	cation Number Qualifier	X	ID 2/2
		TE	Telephone		
PER04	364	Communi	cation Number	X	AN 1/80
PER05	365	Communi	cation Number Qualifier	X	ID 2/2
		EM	Electronic Mail		
PER06	364	Communi	cation Number	X	AN 1/80

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Segment: PC

POC Line Item Change

beginene.	
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.



	 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

Data Element Summary

the Order Acknowledgment, Ship Notice/Manifest, or Invoice.

	D.C	D (Data Elem	ient Summary		
	Ref.	Data Element	Nomo		A 44-	
	<u>Des.</u> POC01	Element 350	<u>Name</u> Assigned Identific	ation	$\frac{Au}{0}$	<u>ributes</u> AN 1/20
		000	When the Order Ac must have the Assig Change Request.	knowledgment, Ship Notice/Manifest, or gned Identification that was sent on the Pu	Invoi	ce is sent, it
Μ	POC02	670	Change or Respon	se Type Code	Μ	ID 2/2
			RZ will be sent in F	OC02 for all transactions.		
			RZ	Replace All Values		
	POC03	330	Quantity Ordered		0	R 1/15
	POC04	671	Quantity Left to R	Receive	Х	R 1/9
	POC05	C001	Composite Unit of	Measure	Х	
Μ	C00101	355	Unit or Basis for M	Aeasurement Code	Μ	ID 2/2
			Request. Example: Request, then LB (I Notice/Manifest, or		er Cha	ange
			BG	Bag		
			BX	Box		
			CA	Case		
			DZ	Dozen		
			EA	Each		
			FT	Foot		
			GA	Gallon		
			KG	Kilogram		
			LB	Pound		
			LO	Lot		

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		LT	Liter		
		PC	Piece		
		PH	Pack (PAK)		
		PR	Pair		
		RL	Roll		
POC06	212	Unit Price		Х	R 1/17
POC08	235	Product/Se	rvice ID Qualifier	Х	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		
POC09	234	Product/Se	rvice ID	Х	AN 1/48
POC10	235	Product/Se	rvice ID Qualifier	Х	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		
POC11	234	Product/Se	rvice ID	Х	AN 1/48
POC12	235	Product/Se	rvice ID Qualifier	Х	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		
POC13	234	Product/Se	rvice ID	Х	AN 1/48
Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes:	050 PID Detail Optional 1 1 If PI 2 At le 3 If PI 4 If PI	Optional D04 is presere east one of PI D07 is preser D08 is preser	m Description ht, then PID03 is required. D04 or PID05 is required. ht, then PID03 is required. ht, then PID04 is required. ht, then PID05 is required.		
Ref.	Data	Dat	ta Element Summary		
<u>Des.</u> PID01	Element 349	<u>Name</u> Item Descri			<u>ributes</u> ID 1/1
		F	Free-form		
PID05	352	Description	l de la constante de	X	AN 1/80
Segment: Position: Loop: Level:	REF 100 POC Detail	Reference Optional	Identification		

Μ



	Usage: Max Use: Syntax Notes: Notes:	 If eit If eit 	east one of REF02 or REF03 is required. ther C04003 or C04004 is present, then the other is required. ther C04005 or C04006 is present, then the other is required. the will be the Schwan's Contract Number.		
			Data Element Summary		
	Ref.	Data			
М	<u>Des.</u> REF01	Element 128	<u>Name</u> Reference Identification Qualifier		<u>ributes</u> ID 2/3
IVI	KEFUI	120	BD Bid Number	IVI	11) 2/3
	REF02	127	Reference Identification	Х	AN 1/30
	Segment:	DTN	✓ ↓ Date/Time Reference		
	Position:	200	Date/ Time Reference		
	Loop:	POC	Optional		
	Level:	Detail			
	Usage:	Optional			
	Max Use: Syntax Notes:	10 1 At le	east one of DTM02 DTM03 or DTM05 is required.		
	Syntax Hotes.		TM04 is present, then DTM03 is required.		
			ther DTM05 or DTM06 is present, then the other is required.		
			Data Flomont Summary		
	Ref.	Data	Data Element Summary		
	Des.	Element	Name	Attr	<u>ributes</u>
Μ			<u>Name</u> Date/Time Qualifier	<u>Attr</u> M	<u>ributes</u> ID 3/3
М	Des.	Element	Name Date/Time Qualifier 002 Delivery Requested		
М	<u>Des.</u> DTM01	Element 374	NameDate/Time Qualifier002Delivery Requested010Requested Ship	Μ	ID 3/3
М	Des.	Element	Name Date/Time Qualifier 002 Delivery Requested		
М	<u>Des.</u> DTM01 DTM02	Element 374 373	NameDate/Time Qualifier0020010Requested ShipDate	Μ	ID 3/3
М	Des. DTM01 DTM02 Segment:	<u>Element</u> 374 373 TXI	NameDate/Time Qualifier002Delivery Requested010Requested Ship	Μ	ID 3/3
М	Des. DTM01 DTM02 Segment: Position:	Element 374 373 TXI 290	Name Date/Time Qualifier002Delivery Requested010Requested ShipDateTax Information	Μ	ID 3/3
М	Des. DTM01 DTM02 Segment: Position: Loop:	Element 374 373 TXI 290 POC	NameDate/Time Qualifier0020010Requested ShipDate	Μ	ID 3/3
М	Des. DTM01 DTM02 Segment: Position: Loop: Level:	Element 374 373 TXI 290 POC Detail	Name Date/Time Qualifier002Delivery Requested010Requested ShipDateTax InformationOptional	Μ	ID 3/3
М	Des. DTM01 DTM02 Segment: Position: Loop:	Element 374 373 TXI 290 POC	Name Date/Time Qualifier002Delivery Requested010Requested ShipDateTax InformationOptional	Μ	ID 3/3
М	Des. DTM01 DTM02 Segment: Position: Loop: Level: Usage:	Element 374 373 TXI 290 POC Detail Optional >1 1 At la	Name Date/Time Qualifier 002 Delivery Requested 010 Requested Ship Date Date Tax Information Optional east one of TXI02 TXI03 or TXI06 is required.	Μ	ID 3/3
М	Des. DTM01 DTM02 Segment: Position: Loop: Level: Usage: Max Use:	Element 374 373 TXI 290 POC Detail Optional >1 1 At le 2 If eit	Name Date/Time Qualifier 002 Delivery Requested 010 Requested Ship Date Tax Information Optional east one of TXI02 TXI03 or TXI06 is required. ther TXI04 or TXI05 is present, then the other is required.	Μ	ID 3/3
М	Des. DTM01 DTM02 Segment: Position: Loop: Level: Usage: Max Use:	Element 374 373 TXI 290 POC Detail Optional >1 1 At le 2 If eit	Name Date/Time Qualifier 002 Delivery Requested 010 Requested Ship Date Date Tax Information Optional east one of TXI02 TXI03 or TXI06 is required.	Μ	ID 3/3
М	Des. DTM01 DTM02 Segment: Position: Loop: Level: Usage: Max Use:	Element 374 373 TXI 290 POC Detail Optional >1 1 At le 2 If eit	Name Date/Time Qualifier 002 Delivery Requested 010 Requested Ship Date Tax Information Optional east one of TXI02 TXI03 or TXI06 is required. ther TXI04 or TXI05 is present, then the other is required. XI08 is present, then TXI03 is required.	Μ	ID 3/3
М	Des. DTM01 DTM02 Segment: Position: Loop: Level: Usage: Max Use:	Element 374 373 TXI 290 POC Detail Optional >1 1 At le 2 If eit	Name Date/Time Qualifier 002 Delivery Requested 010 Requested Ship Date Tax Information Optional east one of TXI02 TXI03 or TXI06 is required. ther TXI04 or TXI05 is present, then the other is required.	Μ	ID 3/3
	Des. DTM01	Element 374 373 TXI 290 POC Detail Optional >1 1 At la 2 If en 3 If T2 Data Element	Name Date/Time Qualifier 002 Delivery Requested 010 Requested Ship Date Tax Information Optional east one of TXI02 TXI03 or TXI06 is required. ther TXI04 or TXI05 is present, then the other is required. XI08 is present, then TXI03 is required. Data Element Summary Name	M X	ID 3/3 DT 8/8
М	Des. DTM01	Element 374 373 TXI 290 POC Detail Optional >1 1 At le 2 If eiu 3 If T2 Data	Name Date/Time Qualifier 002 Delivery Requested 010 Requested Ship Date Tax Information Optional east one of TXI02 TXI03 or TXI06 is required. ther TXI04 or TXI05 is present, then the other is required. XI08 is present, then TXI03 is required. Data Element Summary	M X	ID 3/3 DT 8/8



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TXI06	441 Tax Exempt Code			X	ID 1/1
		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes:	010 CTT Summar Optiona 1 1 If et	ither CTT03 or CTT0	Is 4 is present, then the other is required. 6 is present, then the other is required.		
Data Element Summary Ref. Data					
Des.	<u>Element</u>				<u>ributes</u>
CTT01	354	Number of Line It	ems	Μ	N0 1/6
Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes:	SEE Transaction Set Trailer 030 Summary Mandatory 1				
Data Element Summary Ref. Data					
<u>Des.</u> SE01	Element 96	<u>Name</u> Number of Include	ed Segments	<u>Attı</u> M	<u>ributes</u> N0 1/10
DEVI	20	i uniber of meluu		TAT	110 1/10

M AN 4/9

Transaction Set Control Number



860 Purchase Order Change Request – Buyer Initiated – Sample Data

*01*9088877320000 *141211*1112*U*00501*00000007*0*T*|~ ISA*00* *00* *01*022865398 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*00000007~



855 Purchase Order Acknowledgment

Functional Group ID= \mathbf{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:

М	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
М	020	BAK	Beginning Segment for Purchase Order Acknowledgment	М	1		
Must Use	240	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
			LOOP ID - N9			1000	
	280	N9	Reference Identification	0	1		
	290	MSG	Message Text	0	1000		
			LOOP ID - N1			200	
Must Use	300	N1	Name	0	1		
Must Use	320	N3	Address Information	0	2		
Must Use	330	N4	Geographic Location	0	1		

Detail:

	Pos.	Seg.			Req.		Loop	Notes and
	<u>No.</u>	ID	<u>Name</u>		Des.	Max.Use	Repeat	Comments
			LOOP ID - PO1				100000	
Must Use	010	PO1	Baseline Item Data		0	1		n1
				38		ANSI 401	0 Revision	1.12
					Updated June 2016			2016



			LOOP ID - PID			1000
	050	PID	Product/Item Description	0	1	
Must Use	100	REF	Reference Identification	0	>1	
	100	REF	Reference Identification	0	>1	
Must Use	200	DTM	Date/Time Reference	0	10	

Summary:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	<u>Max.Use</u>	Loop <u>Repeat</u>	Notes and <u>Comments</u>
			LOOP ID - CTT			1	
Must Use	010	CTT	Transaction Totals	0	1		n2
М	030	SE	Transaction Set Trailer	М	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.







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

Data Element Summary

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

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

Data Element Summary

	Ref.	Data		Ducu Element Summary		
	Des.	<u>Element</u>	Name		Attı	<u>ributes</u>
Μ	BAK01	353	Transac	tion Set Purpose Code	Μ	ID 2/2
			00	Original		
			04	Change		
Μ	BAK02	587	Acknow	ledgment Type	Μ	ID 2/2
			AC	Acknowledge - With Detail and Change		
			AT	Accepted		
Μ	BAK03	324	Purchas	e Order Number	Μ	AN 1/22
Μ	BAK04	373	Date		М	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.



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

		Data Elen	nent Summary		
Ref.	Data				
Des.	Element	<u>Name</u>		Att	ributes
TD504	91	Transportation M	lethod/Type Code	Х	ID 1/2
		Н	Customer Pickup		
		Μ	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> N901	Data <u>Element</u> 128	<u>Name</u> Reference I	Identification Qualifier	<u>Attı</u> M	<u>ributes</u> 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.	Data		
Des.	<u>Element</u>	Name	<u>Attributes</u>
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)



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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. <u>Des.</u> N101	Data <u>Element</u> 98	<u>Name</u> Entity Identifier Co	ode	<u>Attr</u> M	<u>ributes</u> ID 2/3
		MF	Manufacturer of Goods		
		SF	Ship From		
		ST	Ship To		
N102	93	Name		Х	AN 1/60
N103	66	Identification Code	e Qualifier	Х	ID 1/2
		9	D-U-N-S+4, D-U-N-S Number with Fou	r Ch	aracter Suffix
		92	Assigned by Buyer or Buyer's Agent		
N104	67	Identification Code		Х	AN 2/80
		This value will be th	e 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	•	
Des.	Element	<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 (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		
Des.	Element	Name	Attributes
N401	19	City Name	O AN 2/30
N402	156	State or Province Code	O ID 2/2

ANSI 4010 Revision 1.12 Updated June 2016

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N403	116	Postal Code	0	ID 3/15
N404	26	Country Code	0	ID 2/3
		1		

Purchasing

Segment:	PO1	Baseline Item	Data				
Position:	010						
Loop:	PO1	Optional (Must	Use)				
Level:	Detail						
Usage:		(Must Use)					
Max Use:	1	102	1 DO1001 1				
Syntax Notes:		-	then PO102 is required.				
		-	then PO104 is required. O107 is present, then the oth	hor is required			
			O107 is present, then the oth O109 is present, then the oth	-			
			O103 is present, then the oth				
			O113 is present, then the oth	-			
			O115 is present, then the oth				
	8 If eit	her PO116 or PO	O117 is present, then the oth	ner is required.			
			O119 is present, then the oth	-			
			O121 is present, then the oth	-			
			O123 is present, then the oth	-			
Notor			O125 is present, then the oth	-	's Droduct		
Notes:			r Acknowledgment is sent, i ed Identification (PO101) th				
	DI (D 1			1			
) is the Schwan's Product Co		uat Mastar		
			de) is the value that is maintaumber) is the value that is m				
	Master.	dor 5 Catalog 14	uniber / is the value that is in	annamed on Benwan s	vendor s mio		
	Please no	te that NOT all	Schwan's Product Codes ha	ve a maintained UPC C	ode.		
	The Unit	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 I	Element Summary				
Ref.	Data	Data I	chement Summary				
Des.	Element	Name		Att	ributes		
PO101	350	Assigned Iden	tification	0	AN 1/20		
			Identification that was on the	e Purchase Order must b	be sent on the		
		Order Acknowl					
PO102	330	Quantity Orde	ered	Х	R 1/15		
		The Quantity C	Ordered must be in the Unit	of Measure that was sen	it on the		
		Purchase Order					
PO103	355		for Measurement Code	0	ID 2/2		
			easure that was on the Purch				
		-	ent. Example: If LB (Pound		Order, then		
		LB (Pound) mu BG	ust be sent on the Order Ack	nowledgment.			
		BCBX	Bag Box				
		DA	DUX				



		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		5445
PO104	212	Unit Price		X	R 1/17
PO106	235		ervice ID Qualifier	Х	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		
PO107	234	Product/Se		Х	AN 1/48
PO108	235		ervice 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		
PO109	234	Product/Se		X	AN 1/48
PO110	235		ervice 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		
PO111	234	Product/Se	ervice ID	X	AN 1/48
Segment:	PID	Product/Ite	em Description		
Position:	050	1100000/10			
Loop:	PID	Optional			
Level:	Detail	opuonai			
Usage:	Optiona	1			
Max Use:	1				
Syntax Notes:		-	nt, then PID03 is required.		
			ID04 or PID05 is required.		
	3 If PID07 is present, then PID03 is required.4 If PID08 is present, then PID04 is required.				
			nt, then PID05 is required.		
			-		

Data Element Summary

Ref.DataDes.ElementName

Attributes



М	PID01	349	Item Description Type	М	ID 1/1
			F Free-form		
	PID05	352	Description	X	AN 1/80
	Segment:	REI	Reference Identification		
	Position:	100			
	Loop:	PO1	Optional (Must Use)		
	Level:	Detail			
	Usage:	Optional	(Must Use)		
	Max Use:	>1			
	Syntax Notes:	1 At l	east one of REF02 or REF03 is required.		
			ther C04003 or C04004 is present, then the other is require	d.	
		3 If ei	ther C04005 or C04006 is present, then the other is require	d.	
			Data Element Summary		
	Ref.	Data	-		
	Des.	Element	Name		<u>ributes</u>
Μ	REF01	128	Reference Identification Qualifier	Μ	ID 2/3
			VN Vendor Order Number		
	REF02	127	Reference Identification	X	AN 1/30
			_		
	Segment:	REI	Reference Identification		
	Position:	100			
	Loop:	PO1	Optional (Must Use)		
	Level:	Detail			
	Usage:	Optional			
	Max Use:	>1			
	Syntax Notes:		east one of REF02 or REF03 is required.	1	
			ther C04003 or C04004 is present, then the other is require ther $C04005$ or $C04006$ is present, then the other is require		
	Notes:		ther C04005 or C04006 is present, then the other is require the must be the Schwan's Contract Number.	u.	
	notes.	1 ms van	a must be the Schwart's Contract Number.		
			Data Element Summary		
	Ref.	Data Element	Nomo	A 44-	ributos
Μ	<u>Des.</u> REF01	Element 128	<u>Name</u> Reference Identification Qualifier		ributes ID 2/3
IVI	KLI VI	120	BD Bid Number	191	10 2/3
	DEEQ	105		v	A NI 1/20
	REF02	127	Reference Identification	X	AN 1/30
	Segment:	рт	V Date/Time Reference		
	Position:	200			
	Loop:	200 PO1	Optional (Must Usa)		
	Loop: Level:	Detail	Optional (Must Use)		
	Usage:		(Must Use)		
	Max Use:	10			
	Syntax Notes:		east one of DTM02 DTM03 or DTM05 is required.		
	•		TM04 is present, then DTM03 is required.		
			47 ANSI 4010	Revision	1.12
				ted June 2	



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

			Data Element Summary	
	Ref.	Data	Data Excitent Summary	
	Des.	Element	Name	Attributes
Μ	DTM01	<u>374</u>	Date/Time Qualifier	M ID 3/3
			When the Purchase Order is a Customer Pickup (TD504 = 'H	
			send the Requested Pick-up date (DTM01 = '118').	i), you need to
			When the Purchase Order is a Motor ($TD504 = 'M'$), you nee	d to send the
			Current Schedule Delivery date (DTM $01 = '067'$).	
			067 Current Schedule Delivery	
			118 Requested Pick-up	
	DTM02	373	Date	X DT 8/8
		010	Dutt	
	Segment:	C'I''	Transaction Totals	
	Position:	010		
	Loop:	CTT	Optional (Must Use)	
	Level:	Summary	· · · · · · · · · · · · · · · · · · ·	
	Usage:	•	(Must Use)	
	Max Use:	1		
	Syntax Notes:	1 If eit	her CTT03 or CTT04 is present, then the other is required.	
	-		her CTT05 or CTT06 is present, then the other is required.	
			Data Element Summary	
	Ref.	Data		
	Des.	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Μ	CTT01	354	Number of Line Items	M N0 1/6
	Segment:	SE T	ransaction Set Trailer	
	Position:	030		
	Loop:	030		
	Level:	Summary	r	
	Usage:	Mandato		
	Max Use:	1	.)	
	Syntax Notes:	-		
	~J			
	D A	D. 4	Data Element Summary	
	Ref.	Data Element	Nama	A 44A - - -
м	Des. SE01	Element	<u>Name</u> Number of Included Segments	<u>Attributes</u> M N0 1/10
M	SE01	96 220	0	
Μ	SE02	329	Transaction Set Control Number	M AN 4/9

855 Purchase Order Acknowledgment – Sample Data

ISA*00*

*01*022865398

00

*01*9088877320000 *120828*0840*U*00401*000000011*0*T*|~



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*00000011~



856 Ship Notice/Manifest

Functional Group ID=SH

Updated June 2016

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:

М	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
М	020	BSN	Beginning Segment for Ship Notice	М	1		
Detail:	Pos.	Seg.		Req.		Loop	Notes and
			50		ANSI 401	0 Revision	1.12



	<u>No.</u>	<u>ID</u>	Name	Des.	Max.Use	Repeat	Comments
			LOOP ID - HL			200000	
М	010	HL	Hierarchical Level	М	1		c1
Must Use	120	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
Must Use	130	TD3	Carrier Details (Equipment)	0	12		
Must Use	150	REF	Reference Identification	0	>1		
Must Use	200	DTM	Date/Time Reference	0	10		
			LOOP ID - N1			200	
	220	N1	Name	0	1		
	240	N3	Address Information	0	2		
	250	N4	Geographic Location	0	1		
			LOOP ID - HL			200000	
М	010	HL	Hierarchical Level	М	1		
Must Use	050	PRF	Purchase Order Reference	0	1		
Must Use	150	REF	Reference Identification	0	>1		
			LOOP ID - HL			200000	
М	010	HL	Hierarchical Level	М	1		
Must Use	190	MAN	Marks and Numbers	0	>1		
			LOOP ID - HL			200000	
М	010	HL	Hierarchical Level	М	1		
Must Use	020	LIN	Item Identification	0	1		
Must Use	030	SN1	Item Detail (Shipment)	0	1		
	070	PID	Product/Item Description	0	200		
Must Use	200	DTM	Date/Time Reference	0	10		

Summary:

	Pos.	Seg.		Req.		Loop	Notes and
	<u>No.</u>	ID	<u>Name</u>	Des.	Max.Use	Repeat	Comments
Must Use	010	CTT	Transaction Totals	0	1		n1
М	020	SE	Transaction Set Trailer	М	1		

Transaction Set Notes

1. 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

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







ST Transaction Set Header
010
Heading
Mandatory
1

Data Element Summary

			Data	a Element Summary		
	Ref.	Data				
	Des.	Element	<u>Name</u>		Attı	ributes
Μ	ST01	143	Transaction	Set Identifier Code	Μ	ID 3/3
			856	Ship Notice/Manifest		
М	ST02	329	Transaction	Set Control Number	Μ	AN 4/9
	Segment:	BSN	Beginning	Segment for Ship Notice		
	Position:	020	0 0			
	Loop:					
	Level:	Heading				
	Usage:	Mandato	ry			

Usage:	Manualory	
Max Use:	1	
Syntax Notes:	1 If BSN07 is present, then BSN06 is required.	

Data Element Summary

Μ	Ref. <u>Des.</u> BSN01	Data <u>Element</u> 353	<u>Name</u> Transactio	n Set Purpose Code	Attr M	<u>ributes</u> ID 2/2
			00	Original		
			01	Cancellation		
			04	Change		
Μ	BSN02	396	Shipment I	dentification	Μ	AN 2/30
Μ	BSN03	373	Date		Μ	DT 8/8
Μ	BSN04	337	Time		М	TM 4/8

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

Data Element Summary

ata



Segment:

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М	<u>Des.</u> HL01	Element 628	<u>Name</u> Hierarchica	l ID Number		<u>ributes</u> AN 1/12
				nical ID Number is a counter, starting with 1 urrence of the HL Segment.	and incre	ementing by 1
	HL02	734	Hierarchica	l Parent ID Number	0	AN 1/12
Μ	HL03	735	Hierarchica	l Level Code	Μ	ID 1/2
			S	Shipment		

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.
Synux notes.	 If TD502 is present, then TD503 is required. If TD507 is present, then TD508 is required. If TD510 is present, then TD511 is required. If TD513 is present, then TD512 is required. If TD514 is present, then TD513 is required.

Data Element Summary

Ref. <u>Des.</u> TD504	Data <u>Element</u> 91	<u>Name</u> Transpor	tation Method/Type Code	Atta X	<u>ributes</u> ID 1/2
		Н	Customer Pickup		
		М	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			
Des.	Element	Name	Attı	ributes
TD301	40	Equipment Description Code	Х	ID 2/2
TD302	206	Equipment Initial	0	AN 1/4
TD303	207	Equipment Number	Х	AN 1/10
TD307	102	Ownership Code	0	ID 1/1
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М

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TD308	407	Seal Status Code		0	ID 2/2
		01	Intact		
		03	Missing		
TD309	225	Seal Number		0	AN 2/15
Segment:	REF	Reference Identif	ication		
Position:	150				
Loop:	HL 1	Mandatory			
Level:	Detail	•			
Usage:	Optional	(Must Use)			
Max Use:	>1				
Syntax Notes:		east one of REF02 or	-		
			04 is present, then the other is required.		
	3 If eit	ther C04005 or C040	06 is present, then the other is required.		
		Data Elem	ent Summary		
Ref.	Data				
Des.	<u>Element</u>	<u>Name</u>		Attı	ributes
REF01	128	Reference Identifie	cation Qualifier	Μ	ID 2/3
		BM	Bill of Lading Number		
REF02	127	Reference Identifie	cation	Х	AN 1/30

DTM Date/Time Reference

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.			

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

Data Element Summary

			ν	ata Element Bunnary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>		Att	<u>ributes</u>
Μ	DTM01	374	Date/Tim	e Qualifier	Μ	ID 3/3
			send the S When the Current So	Purchase Order is a Customer Pickup (TD504 = 'H hipped date (DTM01 = '011'). Purchase Order is a Motor (TD504 = 'M'), you new chedule Delivery date (DTM01 = '067'). If possible	ed to s	send the
				ate (DTM01 = '011').		
			011	Shipped		
			067	Current Schedule Delivery		
	DTM02	373	Date		Х	DT 8/8
	DTM03	337	Time		Х	TM 4/8



DTM04	623	Time Code		0	ID 2/2
		СТ	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

М

Ref. <u>Des.</u> N101	Data <u>Element</u> 98	<u>Name</u> Entity Identifier Co	ode	<u>Attı</u> M	ributes ID 2/3
		MF	Manufacturer of Goods		
		SF	Ship From		
		ST	Ship To		
N102	93	Name		Х	AN 1/60
N103	66	Identification Code	e Qualifier	Х	ID 1/2
		9	D-U-N-S+4, D-U-N-S Number with For	ur Ch	aracter Suffix
		92	Assigned by Buyer or Buyer's Agent		
N104	67	Identification Code	2	Х	AN 2/80
		This value will be th	ne Schwan's Number.		

Segment:	N3	Address Information
Position:	240	
Loop:	N1	Optional
Level:	Detail	
Usage:	Option	al
Max Use:	2	
Syntax Notes:		

Data	Element Summary
------	------------------------

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

Segment:	N4	Geographic Location
Position:	250	



N1 Optional
Detail
Optional
1
1 If N406 is present, then N405 is required.

Data Element Summary

Ref.	Data	·	
Des.	<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:	Manda	tory
Max Use:	1	
Syntax Notes:		

Data Element Summary

			Dutu L	Achient Builling		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>		Att	<u>ributes</u>
Μ	HL01	628	Hierarchical I	D Number	Μ	AN 1/12
			The Hierarchica	al ID Number is a counter, starting with 1 and	d incre	ementing by 1
			for each occurre	ence of the HL Segment.		
	HL02	734	Hierarchical P	arent ID Number	0	AN 1/12
Μ	HL03	735	Hierarchical L	evel Code	Μ	ID 1/2
			0	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	
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	Ref.	Data		
	Des.	Element	Name	<u>Attributes</u>
Μ	PRF01	324	Purchase Order Number	M AN 1/22



М

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.		

If either C04005 or C04006 is present, then the other is required. 3

Data Element Summary

Ref. <u>Des.</u>	Data <u>Element</u>	Name	·	Atti	<u>ributes</u>
REF01	128	Reference Io	dentification Qualifier	\mathbf{M}	ID 2/3
		VN	Vendor Order Number		
REF02	127	Reference I	dentification	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

М	Ref. <u>Des.</u> HL01	Data <u>Element</u> 628	<u>Name</u> Hierarchica	al ID Number		<u>ributes</u> AN 1/12
				hical ID Number is a counter, starting wi urrence of the HL Segment.	th 1 and incre	ementing by 1
	HL02	734	Hierarchica	al Parent ID Number	0	AN 1/12
Μ	HL03	735	Hierarchica	al Level Code	Μ	ID 1/2
			Т	Shipping Tare		

MAN Marks and Numbers

Segment:	${f MAN}$ Marks and Numbers
Position:	190
Loop:	HL Mandatory
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	>1
Syntax Notes:	 If either MAN04 or MAN05 is present, then the other is required. If MAN06 is present, then MAN05 is required.

Data Element Summary

Ref. Data



	Des.	<u>Element</u>				ributes
Μ	MAN01	88	Marks and Numbe	-	Μ	ID 1/2
			AA	SSCC-18		
			GM	SSCC-18 and Application Identifier		
			S	Entire Shipment		
Μ	MAN02	87	Marks and Numbe		Μ	AN 1/48
			ASN line item. Thi 128 or SSCC18.	nbers field contains the unique pallet id b is would correspond to the pallet ID bar c n is for a non palletized product, this valu g the shipment.	ode, e	ither GS1-
			The second se	2 · · · I · · ·		
	Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes:	010	Hierarchical Level Mandatory ry			
			Data Elem	ent Summary		
	Ref.	Data	2 2			
	Des.	Element				ributes
Μ	HL01	628	Hierarchical ID N			AN 1/12
				• Number is a counter, starting with 1 and of the HL Segment.	1 incre	ementing by 1
	HL02	734	Hierarchical Pare	8	0	AN 1/12
Μ	HL03	735	Hierarchical Level	l Code	Μ	ID 1/2
			Р	Pack		
	Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes:	020 HL M Detail Optional 1 1 If eit 2 If eit 3 If eit 4 If eit 5 If eit 6 If eit 7 If eit 8 If eit 9 If eit 10 If eit	Item Identification Mandatory (Must Use) ther LIN04 or LIN05 ther LIN06 or LIN07 ther LIN08 or LIN09 ther LIN10 or LIN11 ther LIN12 or LIN13 ther LIN14 or LIN15 ther LIN16 or LIN17 ther LIN18 or LIN19 ther LIN20 or LIN21 ther LIN22 or LIN23			1 12

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	Notes:	 13 If eit 14 If eit When the was sent PI (Purch UA (UPC VC (Ven Master. 	ther LIN28 or LIN29 ther LIN30 or LIN31 e Ship Notice/Manife on the Purchase Ord nase's Item Code) is C/EAN Case Code) i dor's Catalog Numb	the Schwan's Product Code. Is the value that is maintained on Schwan' er) is the value that is maintained on Schw	's Prod wan's V	uct Master. Vendor's Info
		Please no	that NOT all Sch	wan's Product Codes have a maintained U	JPC C	ode.
		— .	Data Elen	nent Summary		
Μ	Ref. <u>Des.</u> LIN02	Data <u>Element</u> 235	<u>Name</u> Product/Service I	D Qualifier		<u>ributes</u> ID 2/2
			LT	Lot Number		
			DI	Lot Number cannot be longer than 15 c	charact	ters.
			PI	Purchaser's Item Code		
			UA	U.P.C./EAN Case Code (2-5-5)		
м		224	VC Product/Sourcias I	Vendor's (Seller's) Catalog Number	м	A NI 1/40
Μ	LIN03	234	Product/Service I		M	AN 1/48
	LIN04	235	Product/Service I	Lot Number	X	ID 2/2
			LI	Lot Number cannot be longer than 15 of	charac	tors
			PI	Purchaser's Item Code	marac	ters.
			UA	U.P.C./EAN Case Code (2-5-5)		
			VC	Vendor's (Seller's) Catalog Number		
	LIN05	234	Product/Service I		Х	AN 1/48
	LIN06	235	Product/Service I		X	ID 2/2
			LT	Lot Number		
				Lot Number cannot be longer than 15 of	charac	ters.
			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 I	D	Х	AN 1/48
	Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes: Notes:	030 HL M Detail Optional 1 1 If eit When the		6 is present, then the other is required. est is sent, it must have the Assigned Iden	ntificat	ion (PO101)
		that was	sent on the 1 trendse	ordon.		



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

			Data ER	ement Summary		
	Ref.	Data Element	Nama			
	<u>Des.</u> SN101	Element 350	<u>Name</u> Assigned Identif	lication	Atti O	<u>ributes</u> AN 1/20
	511101	550		entification that was on the Purchase Order	-	
			Ship Notice/Man		mast	be sent on the
Μ	SN102	382	Number of Unit	s Shipped	М	R 1/10
			The Number of U the Purchase Ord	Units Shipped must be in the Unit of Measurer.	re that	was sent on
Μ	SN103	355	Unit or Basis for	r Measurement Code	Μ	ID 2/2
			Notice/Manifest.	sure that was on the Purchase Order must be Example: If LB (Pound) was sent on Purch 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		

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

Ref.

Data

Data Element Summary



100	COMPANY				
	Des.	<u>Element</u>	Name		ributes
Μ	PID01	349	Item Description Type	Μ	ID 1/1
	PID05	352	Description	Х	AN 1/80
			<i>π</i>		
	Segment:	DIN	✓ ↓ Date/Time Reference		
	Position:	200			
	Loop:		Mandatory		
	Level:	Detail			
	Usage:	-	(Must Use)		
	Max Use: Syntax Notes:	10 1 At le	east one of DTM02 DTM03 or DTM05 is required.		
	Syntax Hotes.		TM04 is present, then DTM03 is required.		
			ther DTM05 or DTM06 is present, then the other is required.		
			Data Element Summary		
	Ref.	Data	Duta Element Summary		
	Des.	Element	Name	Att	<u>ributes</u>
Μ	DTM01	374	Date/Time Qualifier		ID 3/3
			Date of Manufacture		
			405 Production		
	DTM02	373	Date	Х	DT 8/8
	Segment:	СТТ	Transaction Totals		
	Position:	010	I Transaction Totais		
	Loop:	010			
	Level:	Summar	<i>y</i>		
	Usage:		(Must Use)		
	Max Use:	1			
	Syntax Notes:		ther CTT03 or CTT04 is present, then the other is required.		
		2 If ei	ther CTT05 or CTT06 is present, then the other is required.		
			Data Element Summary		
	Ref.	Data	N.		
М	Des.	<u>Element</u> 354	<u>Name</u> Number of Line Items		ributes
Μ	CTT01	354	Number of Line Items	IVI	N0 1/6
		ST			
	Segment:		ransaction Set Trailer		
	Position:	020			
	Loop:	C			
	Level:	Summar			
	Usage: Max Use:	Mandato 1	ıy		
	Niax Use: Syntax Notae	1			

Syntax Notes:

Data Element Summary

Ref.

Data

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	Des.	Element	Name	<u>Attributes</u>
Μ	SE01	96	Number of Included Segments	M N0 1/10
Μ	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*3939348930IDKDLSIA~ 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*00000013~



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:

М	Pos. <u>No.</u> 010	Seg. ID ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and Comments
М	020	BIG	Beginning Segment for Invoice	М	1		
			LOOP ID - N1			200	
	070	N1	Name	0	1		

Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	<u>Max.Use</u>	Loop <u>Repeat</u>	Notes and <u>Comments</u>
			LOOP ID - IT1			200000	
	010	IT1	Baseline Item Data (Invoice)	0	1		
	040	TXI	Tax Information	0	10		
Rec	050	CTP	Pricing Information	0	25		
			LOOP ID - PID			1000	
	060	PID	Product/Item Description	0	1		

Summary:

М	Pos. <u>No.</u> 010	Seg. <u>ID</u> TDS	<u>Name</u> Total Monetary Value Summary	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
	020	TXI	Tax Information	0	10		
			LOOP ID - SAC			25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	0	1		
Must Use	070	CTT	Transaction Totals	0	1		n1

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M 080 SE Transaction Set Trailer M	
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Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.







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

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	<u>Attributes</u>
Μ	ST01	143	Transaction Set Identifier Code	M ID 3/3
Μ	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

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
Μ	BIG01	373	Date	M DT 8/8
Μ	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		
	Ref.	Data				
	Des.	<u>Element</u>	Name		Attri	ibutes
Μ	N101	98	Entity I	dentifier Code	Μ	ID 2/3
			BT	Bill-to-Party		

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M/U

SFC Global Supply Chain, Inc. Purchasing

		RE	Party to receive	commercial invoice remi	ttan	ce
		ST	Ship To			
N102	93	Name			Х	AN 1/60
N103	66	Identification	n Code Qualifier		Х	ID 1/2
		9	D-U-N-S+4, D-U	U-N-S Number with Four	Ch	aracter Suffix
		92	Assigned by Buy	yer or Buyer's Agent		
N104	67	Identification	1 Code		Х	AN 2/80
		This value wil	ll be the Schwan's Numb	ber.		
Segment:		Baseline Item	Data (Invoice)			
Position:	010					
Loop: Level:	IT1 (Detail	Optional				
Usage:	Optional					
Max Use:	1					
Syntax Notes:			03 or IT104 is present,			
			$\Gamma 107$ is present, then the	1		
			$\Gamma 109$ is present, then the $\Gamma 111$ is present, then the			
			$\Gamma 111$ is present, then the $\Gamma 113$ is present, then the	-		
			Γ 115 is present, then the	-		
			Γ117 is present, then the	-		
			Γ119 is present, then the	-		
			Γ 121 is present, then the			
			$\Gamma 123$ is present, then the $\Gamma 125$ is present, then the			
Notes:			-	an's Product Code (PI) ar	nd A	ssigned
			at was sent on the Purch			8
			e) is the Schwan's Produ			
				naintained on Schwan's P		
	VC (Ven Master.	dor's Catalog N	lumber) is the value that	t is maintained on Schwar	n's N	endor's Info
	Please no	te that NOT all	l Schwan's Product Code	es have a maintained UP	C C	ode.
				Order must be sent on the		
	Example the Invoi		was sent on Purchase C	Order, then LB (Pound) m	iust	be sent on
	the myor		Element C			
Ref.	Data	Data	Element Summary			
Des.	<u>Element</u>	Name			Attı	ributes
IT101	350	Assigned Ide	ntification		0	AN 1/20
		-		on the Purchase Order mu	ast ł	be sent on the
		Invoice.				
IT102	358	Quantity Inv			Х	R 1/10
		Purchase Orde	er.	Unit of Measure that was	s ser	nt on the
IT103	355	Unit or Basis	for Measurement Cod	le	Х	ID 2/2
			70	ANSI 4010 Revis	ion	1.12

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			easure that was on the Purchase Order must baple: If LB (Pound) was sent on Purchase Ord		
		(Pound) must b	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		
IT104	212	Unit Price		Х	R 1/17
IT106	235	Product/Servi	ce ID Qualifier	Х	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		
IT107	234	Product/Servi	ce ID	Х	AN 1/48
IT108	235	Product/Servi	ce ID Qualifier	Х	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		
IT109	234	Product/Servi		Х	AN 1/48
IT110	235	Product/Servi	ce ID Qualifier	Х	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		
IT111	234	Product/Servi	-	X	AN 1/48
G (TV	I Tax Informati			
Segment:		Tax Informati	ion		
Position: Loop:	040 IT1	Optional			
Loop: Level:	Detail	Optional			
Usage:	Optiona	al			
Max Use:	10				

Max Use:10Syntax Notes:1At least one of TXI02 TXI03 or TXI06 is required.2If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.



	D 4	Data Element Summary	
	Ref.	Data N	A • 1
	Des.	Element Name	<u>Attributes</u>
Μ	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:	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	er 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	
	Des.	<u>Element</u> <u>Name</u>	<u>Attributes</u>
	CTP02	236 Price Identifier Code	X ID 3/3
		ACT Actual	
R	CTP08	782 Monetary Amount	O R 1/18
	G (PID Product/Item Description	
	Segment:	-	
	Position:	060	
	Loop:	PID Optional	
	Level:	Detail	
	Usage:	Optional	
	Max Use:	1 If PID04 is recent than PID02 is required	
	Syntax Notes:	 If PID04 is present, then PID03 is required. At least one of PID04 or PID05 is required. 	
		 At least one of PID04 or PID05 is required. 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 Elerer 4 Server	
	Ref.	Data Element Summary Data	
	Des.	Element Name	<u>Attributes</u>
Μ	<u>Des.</u> PID01	349 Item Description Type	M ID 1/1
-·-			

<u>Des.</u> PID01	<u>Element</u> 349	<u>Name</u> Item Descrip	tion Type		A ID 1/1
		F	Free-form		
PID05	352	Description		Σ	X AN 1/80
			70		1.10



Segment:	${f TDS}$ Total Monetary Value Summary
Position:	010
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Syntax Notes:	

Data Element Summary

М

М

Data Name Element 610

Attributes M N2 1/15

Ref.

Des.

TDS01

ш	Iname
	Amount

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

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

Segment:	${f SAC}$ 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.



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

 \mathbf{M}

Ref. Des.	Data <u>Element</u>	<u>Name</u>	1		ributes
SAC01	248		Charge Indicator	Μ	ID 1/1
		А	Allowance		
		С	Charge		
SAC02	1300	Service, Promo	tion, Allowance, or Charge Code	Х	ID 4/4
		Certificate of Co	onformance (B020) is being used for the	Certificate	e of Analysis
		Charge.			
		B020	Certificate of Conformance		
		D240	Freight		
		D260	Fuel Charge		
		F180	Pallet		
		G760	Set-up		
SAC05	610	Amount		0	N2 1/15
SAC15	352	Description		Х	AN 1/80

Data Element Summary

ita	
<u>nent</u> <u>Name</u>	<u>Attributes</u>
54 Number of Line Items	M N0 1/6
n	nent <u>Name</u>

М

Segment:SE Transaction Set TrailerPosition:080Loop:Lovel:SummarySummaryUsage:MandatoryMax Use:1Syntax Notes:1



Data Element Summary

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

810 Invoice – Sample Data

ISA*00* *00* *01*9088877320000 *01*022865398 *120426*0946*U*00401*00000009*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*00000009~



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



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:

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



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 (30) may contain the quantify. The application identifier of (10) must contain the lot or batch.

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



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)0072180000	116(11)020413(30)42(10)31303005A
Vendor #: 140192	Food Company
Purchase Order: 179	9503
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	

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



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.





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)

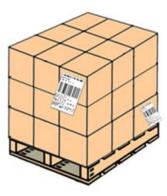
Label Placement on Pallet



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



863 Report of Test Results

Functional Group ID= \mathbf{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:

М	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
М	020	BTR	Beginning Segment for Test Results	М	1		
			LOOP ID - N1			>1	
	080	N1	Name	0	1		
	100	N3	Address Information	0	2		
	110	N4	Geographic Location	0	1		

Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u>	Notes and <u>Comments</u>
			LOOP ID - LIN			>1	
Must Use	010	LIN	Item Identification	0	1		
	020	PID	Product/Item Description	0	1000		
Must Use	034	QTY	Quantity	0	10		
Must Use	045	REF	Reference Identification	0	1000		
			LOOP ID - CID			>1	
Must Use	060	CID	Characteristic/Class ID	0	1		
Must Use	130	REF	Reference Identification	0	10		
			LOOP ID - MEA			>1	
Must Use	150	MEA	Measurements	0	1		
Must Use	170	REF	Reference Identification	0	10		

Req.

Summary:

Pos. Seg.

81



	<u>No.</u>	ID	<u>Name</u>	Des.	Max.Use	<u>Repeat</u>	Comments
	005	CTT	Transaction Totals	0	1		
М	010	SE	Transaction Set Trailer	М	1		







Segment:	${f ST}$ Transaction Set Header
Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Syntax Notes:	

Data Element Summary

	Ref.	Data	·	
	Des.	Element	Name	<u>Attributes</u>
Μ	ST01	143	Transaction Set Identifier Code	M ID 3/3
Μ	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

			Dutu Element Summury	
	Ref.	Data		
	Des.	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Μ	BTR01	353	Transaction Set Purpose Code	M ID 2/2
			00 Original	
Μ	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



	Ref.	Data				
	Des.	Element				ributes
Μ	N101	98	-	ntifier Code	M	ID 2/3
			MF	Manufacturer of Goods		
			SF	Ship From		
			ST	Ship To		
	N102	93	Name		X	AN 1/60
	N103	66		tion Code Qualifier	X	ID 1/2
			9	D-U-N-S+4, D-U-N-S Number with Fou	ır Ch	aracter Suffix
			92	Assigned by Buyer or Buyer's Agent		
	N104	67	Identificat		X	AN 2/80
			This value	will be the Schwan's Number.		
	Loop: Level: Usage: Max Use: Syntax Notes:	N1 C Heading Optional 2	Optional			
		D (Da	ata Element Summary		
	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>		Δttı	<u>ributes</u>
Μ	<u>Des.</u> N301	<u>166</u>		nformation	M	AN 1/55
	N302	166	Address I	nformation	0	AN 1/55
	Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes:	110 N1 C Heading Optional 1		Location nt, then N405 is required.		
	Ref.	Data	Da	ata Element Summary		
	Des.	<u>Element</u>	Name		Attı	<u>ributes</u>
	N401	19	City Name	e	0	AN 2/30
	N402	156	State or P	rovince Code	0	ID 2/2
	N403	116	Postal Co	de	0	ID 3/15

Country Code N404 26

LIN Item Identification Segment: 010

Position:

86

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O ID 2/3



Μ

Μ

Loop:		Optional (Must Use	e)			
Level:	Detail					
Usage: Max Use:	Optional 1	(Must Use)				
Syntax Notes:	 If either LIN04 or LIN05 is present, then the other is required. 					
Syntux 1 (otes:			7 is present, then the other is required.			
			9 is present, then the other is required.			
	4 If eit	ther LIN10 or LIN1	1 is present, then the other is required.			
			3 is present, then the other is required.			
			5 is present, then the other is required.			
			7 is present, then the other is required.			
			9 is present, then the other is required. 21 is present, then the other is required.			
			23 is present, then the other is required.			
			25 is present, then the other is required.			
			27 is present, then the other is required.			
			29 is present, then the other is required.			
NT (31 is present, then the other is required.	1		
Notes:		-	sults is sent, it must have the Schwan's Pro	oduct C	Code (PI) and	
	the Assig	gned Identification t	hat was sent on the Purchase Order.			
	PI (Purch	nase's Item Code) is	the Schwan's Product Code.			
			is the value that is maintained on Schwan	's Prod	uct Master.	
			ber) is the value that is maintained on Sch			
	Master.					
	Please no	sta that NOT all Sak		IDC C		
	i lease ne	ne that NOT all Sch	hwan's Product Codes have a maintained U	JPUU	ode.	
	i lease ne		nwan's Product Codes have a maintained C ment Summary	JPUU	ode.	
Ref.	Data	Data Eler				
Des.	Data <u>Element</u>	Data Eler <u>Name</u>	ment Summary	Attı	<u>ributes</u>	
	Data	Data Eler <u>Name</u> Assigned Identifi	ment Summary ication	<u>Attı</u> O	<u>ributes</u> AN 1/20	
Des.	Data <u>Element</u>	Data Eler <u>Name</u> Assigned Identifi The Assigned Ider	ment Summary ication ntification that was on the Purchase Order	<u>Attı</u> O	<u>ributes</u> AN 1/20	
<u>Des.</u> LIN01	Data <u>Element</u> 350	Data Eler <u>Name</u> Assigned Identifi The Assigned Ider Report of Test Res	ment Summary cation ntification that was on the Purchase Order sults.	Attı O must b	ributes AN 1/20 be sent on the	
Des.	Data <u>Element</u>	Data Eler <u>Name</u> Assigned Identifi The Assigned Ider Report of Test Res Product/Service I	ment Summary ication ntification that was on the Purchase Order sults. ID Qualifier	<u>Attı</u> O	<u>ributes</u> AN 1/20	
<u>Des.</u> LIN01	Data <u>Element</u> 350	Data Eler <u>Name</u> Assigned Identifi The Assigned Ider Report of Test Res Product/Service I PI	ment Summary ication ntification that was on the Purchase Order sults. ID Qualifier Purchaser's Item Code	Attı O must b	ributes AN 1/20 be sent on the	
<u>Des.</u> LIN01	Data <u>Element</u> 350	Data Eler <u>Name</u> Assigned Identifi The Assigned Ider Report of Test Res Product/Service I PI UA	ment Summary ication ntification that was on the Purchase Order sults. ID Qualifier Purchaser's Item Code U.P.C./EAN Case Code (2-5-5)	Attı O must b	ributes AN 1/20 be sent on the	
Des. LIN01 LIN02	Data <u>Element</u> 350 235	Data Eler <u>Name</u> Assigned Identifi The Assigned Ider Report of Test Res Product/Service I PI UA VC	ment Summary ication ntification that was on the Purchase Order sults. ID Qualifier Purchaser's Item Code U.P.C./EAN Case Code (2-5-5) Vendor's (Seller's) Catalog Number	<u>Attı</u> O must b M	ributes AN 1/20 be sent on the ID 2/2	
Des. LIN01 LIN02 LIN03	Data <u>Element</u> 350 235 234	Data Eler <u>Name</u> Assigned Identifi The Assigned Ider Report of Test Res Product/Service D UA VC Product/Service D	ment Summary ication ntification that was on the Purchase Order sults. ID Qualifier Purchaser's Item Code U.P.C./EAN Case Code (2-5-5) Vendor's (Seller's) Catalog Number ID	Atti O must b M	ributes AN 1/20 De sent on the ID 2/2 AN 1/48	
Des. LIN01 LIN02	Data <u>Element</u> 350 235	Data Eler <u>Name</u> Assigned Identifi The Assigned Ident Report of Test Res Product/Service I PI UA VC Product/Service I Product/Service I	ment Summary ication ntification that was on the Purchase Order sults. ID Qualifier Purchaser's Item Code U.P.C./EAN Case Code (2-5-5) Vendor's (Seller's) Catalog Number ID ID Qualifier	<u>Attı</u> O must b M	ributes AN 1/20 be sent on the ID 2/2	
Des. LIN01 LIN02 LIN03	Data <u>Element</u> 350 235 234	Data Eler <u>Name</u> Assigned Identifi The Assigned Ident Report of Test Res Product/Service I PI UA VC Product/Service I PI PI PI PI PI PI PI PI PI PI PI	ment Summary ication ntification that was on the Purchase Order sults. ID Qualifier Purchaser's Item Code U.P.C./EAN Case Code (2-5-5) Vendor's (Seller's) Catalog Number ID ID Qualifier Purchaser's Item Code	Atti O must b M	ributes AN 1/20 De sent on the ID 2/2 AN 1/48	
Des. LIN01 LIN02 LIN03	Data <u>Element</u> 350 235 234	Data Eler <u>Name</u> Assigned Identifi The Assigned Ident Report of Test Res Product/Service I PI UA VC Product/Service I PI UA UA	ment Summary ication ntification that was on the Purchase Order sults. ID Qualifier Purchaser's Item Code U.P.C./EAN Case Code (2-5-5) Vendor's (Seller's) Catalog Number ID ID Qualifier Purchaser's Item Code U.P.C./EAN Case Code (2-5-5)	Atti O must b M	ributes AN 1/20 De sent on the ID 2/2 AN 1/48	
Des. LIN01 LIN02 LIN03	Data <u>Element</u> 350 235 234	Data Eler <u>Name</u> Assigned Identifi The Assigned Ident Report of Test Res Product/Service I PI UA VC Product/Service I PI PI PI PI PI PI PI PI PI PI PI	ment Summary ication ntification that was on the Purchase Order sults. ID Qualifier Purchaser's Item Code U.P.C./EAN Case Code (2-5-5) Vendor's (Seller's) Catalog Number ID ID Qualifier Purchaser's Item Code	Atti O must b M	ributes AN 1/20 De sent on the ID 2/2 AN 1/48	
Des. LIN01 LIN02 LIN03	Data <u>Element</u> 350 235 234	Data Eler <u>Name</u> Assigned Identifi The Assigned Ident Report of Test Res Product/Service I PI UA VC Product/Service I PI UA UA	ment Summary ication ntification that was on the Purchase Order sults. ID Qualifier Purchaser's Item Code U.P.C./EAN Case Code (2-5-5) Vendor's (Seller's) Catalog Number ID ID Qualifier Purchaser's Item Code U.P.C./EAN Case Code (2-5-5) Vendor's (Seller's) Catalog Number	Atti O must b M	ributes AN 1/20 De sent on the ID 2/2 AN 1/48	
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Des. LIN01 LIN02 LIN03 LIN04 LIN05	Data <u>Element</u> 350 235 234 234 234	Data Eler <u>Name</u> Assigned Identifi The Assigned Identifi The Assigned Identifi The Assigned Identifi Product/Service I PI UA VC Product/Service I PI UA VC Product/Service I PI UA VC	ment Summary ication ntification that was on the Purchase Order sults. ID Qualifier Purchaser's Item Code U.P.C./EAN Case Code (2-5-5) Vendor's (Seller's) Catalog Number ID UU	Attu O must b M X X X	ributes AN 1/20 be sent on the ID 2/2 AN 1/48 ID 2/2 AN 1/48	



Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes:	020 LIN Detail Optional 1000 1 If PI 2 At le 3 If PI	east one of PID04 of D07 is present, the			
			en PID05 is required.		
		Data El			
Ref.	Data	Data Ele	ement Summary		
Des.	Element	Name		Att	ributes
PID01	349	Item Description	1 Туре		ID 1/1
		F	Free-form		
PID05	352	Description		X	AN 1/80
		-			
Segment: Position: Loop: Level: Usage: Max Use: Syntax Notes: Notes:	034 LIN Detail Optional 10 1 At le 2 Only	one of QTY02 or	or QTY04 is required QTY04 may be preser	nt.	n art of Toot
notes.				ler must be sent on the Re chase Order, then LB (Por	
	sent on th	ne Report of Test H	Results.		
		Data Fl	ement Summary		
Ref.	Data	Data En	summary		
Des.	Element	<u>Name</u>		Att	t <u>ributes</u>
QTY01	673	Quantity Qualif	ier	Μ	ID 2/2
		39	Shipped Quantity		
		SW	Sample Amount		
QTY02	380	Quantity		X	R 1/15
			st be in the Unit of Me	asure that was sent on the	Purchase
073/02	C001	Order.	- C M	0	
QTY03	C001	Composite Unit		0	an the Demant
				rchase Order must be sent d) was sent on Purchase O	
			sent on the Report of T		
C00101	355		r Measurement Code	Μ	ID 2/2
		BG	Bag		
		BX	Box		
		CA	Case		
		8	8	ANSI 4010 Revision	1.12

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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.

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Data Element Summary

[Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	<u>Name</u> Reference Id	lentification Qualifier	<u>Attı</u> M	ributes ID 2/3	
			7D	Tester Identification			
			LT	Lot Number			
	REF02	127	Reference Id	lentification	Х	AN 1/30	
			U	Number when REF01 = LT when REF01 = 7D			
	REF03	352	Description		Х	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

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Ref.	Data			
Des.	Element	<u>Name</u>		Attributes
CID02	750	Product/Process Characte	eristic Code	X ID 2/3
		When the Product Characte must be used.	ristic Code = 13, the REF segmer	it (Position 130)
		When the Product Characte	ristic Code $= 68$, the MEA segme	ent (Position 150)
		and REF segment (Position	170) must be used.	
		13 Qualit	y (Quality Level)	
		68 Chem	istry	
Segment: Position:	REF 130	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

		Data Element Summary		
Ref.	Data			
Des.	<u>Element</u>	Name	Attr	ributes
REF01	128	Reference Identification Qualifier	\mathbf{M}	ID 2/3
		A1 Analysis number/Test number		
REF02	127	Reference Identification	Х	AN 1/30
		See Schwan Characteristic table for the value that needs to l characteristic.	oe used	for each test
REF03	352	Description	Х	AN 1/80
		See Schwan Characteristic table for the Unit of Measure that for each test characteristic.	t needs	s to be used
Segment:	ME	A Measurements		
Position:	150			
Loop:	MEA	Optional (Must Use)		
Level:	Detail			
Usage:	Optional	(Must Use)		
Max Use:	1			

Max Use: 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
Ref.	Data		
Des.	<u>Element</u>	Name	

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<u>Attributes</u>

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SFC Global Supply Chain, Inc. Purchasing

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MEA03	739	Measurement Value
	DE	

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

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

Kel.	Data		
Des.	Element	Name	Attributes
CTT)1 354	Number of Line Items	M N0 1/6

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

Syntax Notes:

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Data Element Summary

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



863 Report of Test Results - Sample Data

00 *01*9088877320000 *01*022865398 ISA*00* *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*00000016~



Schwan Characteristic

For questions about which characteristics are required for a product, please send an email to <u>supplieredisetup@schwans.com</u>.

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	
рН	PH	РН	
Protein	PROTEIN	%	
Risograph	RISGRAPH	CC	
Salt	SALT	%	
Trans Fatty Acids	TRANS_FA	%	