
Dsco Dropship 4010/5010 EDI Specifications

Version 3.2 | 2018-10-25

<http://www.dsco.io>
support@dsco.io

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Change History

Version	Date	Author	Comments
1.0	2015-12-01	T. Whitney	Initial release.
2.0	2016-10-28	T. Whitney	<p>Adding support for DSCO standard schema fields that were previously unsupported within DSCO EDI.</p> <p>This marks a significant difference from our original EDI specification. If you are migrating to this version from the original version we strongly recommend that you review the new specifications in great detail to ensure that no mapping is missed or overlooked.</p>
2.1	2017-02-01	T. Whitney	Added 'Brand' field to 846 LIN segment and moved the Retailer Item Identifier fields to LIN30/LIN31 to allow for additional inventory fields in the future as needed.
2.2	2017-02-13	T. Whitney	Updated 846 documentation to better explain how the N1 segment should be used when providing total quantity versus warehouse quantities.
2.3	2017-05-08	T. Whitney	Added REF*CO (Customer Order Number) segment documentation to 810 specifications. This is already supported but was missing from this documentation.
2.4	2017-05-10	T. Whitney	Added call-out for all monetary amount formatting to ensure that it is clear that decimal places are always required.
2.5	2017-09-20	T. Whitney	Minor reference cleanup.
2.6	2017-11-13	T. Whitney, A. Toney	General formatting and verbiage cleanup.
2.7	2018-02-22	T. Whitney, A. Toney	Updated 856 LIN01 segment to map to line_item_line_number and moved the dsco_item_id to LIN16/17.
2.8	2018-03-21	T. Whitney	Updated 846 LIN segment map to include support for Partner SKU and Partner SKU Mapping (LIN16-LIN19).
3.0	2018-06-28	T. Whitney, A. Toney	<ul style="list-style-type: none"> Combined 4010 and 5010 documentation into this document Added new June 2018 schema fields <ul style="list-style-type: none"> 846 <ul style="list-style-type: none"> REF: DSCO Warehouse DSCO ID REF: Warehouse Retailer Code 850 <ul style="list-style-type: none"> PO1: Line Item Warehouse Code REF: Requested Warehouse Code REF: Requested Warehouse Retailer Code REF: Requested Warehouse DSCO ID REF: Ship Warehouse Code REF: Ship Warehouse Retailer Code REF: Ship Warehouse DSCO ID REF: DSCO Warehouse Code REF: DSCO Warehouse Retailer Code REF: DSCO Warehouse DSCO ID REF: Line-Item Retailer Item ID 1-3 N1: Line-Item Department ID/Name

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			<ul style="list-style-type: none"> ■ N1: Line-Item Merchandising Account ID/Name ○ 870 <ul style="list-style-type: none"> ■ REF: Line-Item Retailer Item ID 1-3 ■ N1: Line-Item Department ID/Name ■ N1: Line-Item Merchandising Account ID/Name ○ 856 <ul style="list-style-type: none"> ■ MAN: Package SSCC-Barcode ■ REF: Package Warehouse Code ■ REF: Package Warehouse Retailer Code ■ REF: Package Warehouse DSCO ID ■ REF: DSCO Warehouse Code ■ REF: DSCO Warehouse Retailer Code ■ REF: DSCO Warehouse DSCO ID ■ REF: Requested Warehouse Code ■ REF: Requested Warehouse Retailer Code ■ REF: Requested Warehouse DSCO ID ■ REF: Line-Item Retailer Item ID 1-3 ■ N1: Line-Item Department ID/Name ■ N1: Line-Item Merchandising Account ID/Name ○ 810 <ul style="list-style-type: none"> ■ REF: Ship SSCC-Barcode ■ REF: Ship Warehouse Code ■ REF: Ship Warehouse Retailer Code ■ REF: Ship Warehouse DSCO ID ■ REF: DSCO Warehouse Code ■ REF: DSCO Warehouse Retailer Code ■ REF: DSCO Warehouse DSCO ID ■ REF: Requested Warehouse Code ■ REF: Requested Warehouse Retailer Code ■ REF: Requested Warehouse DSCO ID ■ REF: Line-Item Ship SSCC-Barcode ■ REF: Line-Item Ship Warehouse Code ■ REF: Line-Item Ship Warehouse Retailer Code ■ REF: Line-Item Ship Warehouse DSCO ID ■ REF: Line-Item DSCO Warehouse Code ■ REF: Line-Item DSCO Warehouse Retailer Code ■ REF: Line-Item DSCO Warehouse DSCO ID ■ REF: Line-Item Requested Warehouse Code ■ REF: Line-Item Requested Warehouse Retailer Code ■ REF: Line-Item Requested Warehouse DSCO ID ■ REF: Line-Item Retailer Item ID 1-3 ■ N1: Line-Item Department ID/Name ■ N1: Line-Item Merchandising Account ID/Name ■ ● Updated PO1 and LIN usage to ensure no empty Qualifier/ID combinations are allowed <ul style="list-style-type: none"> ○ Changed Partner SKU to BP qualifier instead of ZZ ○ Changed Retailer Item Identifier to CB qualifier instead of ZZ ○ Changed DSCO Item ID qualifier to EM instead of ZZ ○ Changed 850 PO1 Line Item Title qualifier to PD instead of ZZ ○ Added 850 PO1 Line Item Warehouse Code as DV qualifier
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3.1	2018-09-20	A.Toney	<ul style="list-style-type: none"> ● 850 4010 <ul style="list-style-type: none"> ○ Updated PO1 segments within example - see 5.3 ● 850 5010 <ul style="list-style-type: none"> ○ Added Receipt ID and Gift Receipt ID to the top order level ○ Updated PO1 segments within example - see 6.3 ● 856 <ul style="list-style-type: none"> ○ Updated content and examples for HL segments ● Several informational updates within 850 (5010), 856, 870, & 810, and Appendix B (Dsco Standard Shipping Codes)
3.2	2018-10-25	A.Toney	<ul style="list-style-type: none"> ● 846 <ul style="list-style-type: none"> ○ Updated description on page 11, regarding the estimated available date, from SCH02 to SCH06 ● 850 5010 <ul style="list-style-type: none"> ○ Marked N2 (Ship To Company/Attention) as optional ● 855 and 856 <ul style="list-style-type: none"> ○ Marked N1 (Ship To Name), N2 (Ship To Company/Attention) - 856, N3 (Ship To Address), and N4 (Ship To Geographic Location) as optional ● 856/LIN01 and 810/IT101 <ul style="list-style-type: none"> ○ Updated with notice that this is required if multiple lines with same SKU

1.0 Introduction

DSCO solves the one-to-many integration relationships that challenge both retailers and suppliers when building a drop shipping operation. Our software platform is used for inventory and order management, consolidation, and automation for drop shipping. We connect the virtual data, about distributed product supply, to retail storefronts.

This document outlines the EDI specifications for both Suppliers and Retailers. Additional instructions for setting up the automated jobs within your DSCO account can be found at <http://support.dsco.io>.

2.0 General EDI Guidelines

Standard Version

DSCO supports EDI using the **004010VICS** and **5010** versions depending on the document/data type. For example, DSCO provides support for many 850 schema fields within the 5010 version of the 850 document. Although it is generally suggested that you utilize the version that is best suited for your needs, we strongly urge you to utilize the newer/5010 version to minimize the need to change your integration in the future.

Interchange ID

DSCO uses **DSCO** as the Interchange ID with a Qualifier of **ZZ**. However, DSCO also allows you to customize the sender and receiver ID's within the automation configuration.

Supported Exchange Protocols

SFTP

Every DSCO account includes an SFTP account that is specific to that account and is not shared with any other. EDI exchange can use the ftp.dsco.io server or you can use your own SFTP server.

For those utilizing the standard DSCO SFTP servers, please be aware of the following:

- Transactions coming from the Supplier to DSCO need to be placed in the "/in" directory.
- When DSCO processes incoming files, we move the files to the "/in/processing" directory temporarily, while we process those files, and then we move them to the "/in/archive" directory once the import has completed.
- Transactions being generated by DSCO will be deposited in the "/out" directory.
- Our servers monitor the "/out" directory and, upon successful download of any file in that directory, we will move the file(s) to the "/out/archive" folder where you will be able to access it again for a limited time.
- Please do not delete the files from the "/out" directory once you have downloaded them. It is helpful to both parties to have those files available in the archive if need be.

AS2

For those requiring a higher level of security, DSCO provides access to an AS2 server. The setup and configuration of the AS2 connection is currently manual so please contact our support team at support@dsco.io to make a request to utilize AS2.

Supported Transactions

Dsco supports the following transaction types:

- 846 Inventory Advice
- 850 Purchase Order 4010VICS
- 850 Purchase Order 5010
- 855 Purchase Order Acknowledgement
- 870 Order Status (Cancel and Estimated Shipment Dates)
- 856 Advanced Ship Notice
- 810 Invoice

If you wish to import rich product information, such as product descriptions and images, you will need to utilize our flat-file exchange using CSV, TAB or Excel formatted files.

ISA Control Numbers

For incoming EDI transactions, Dsco does not require that each transaction have a unique ISA Control Number, but it is best practice to do so, especially in the event that two parties need to research a specific transaction. Dsco will not reject ISA Control Numbers that are not unique.

For outgoing EDI transactions, Dsco will provide an ISA Control Number that starts at 1 and that increments sequentially for each subsequent document.

Delimiters

Although Dsco allows you to configure the following parameters for each individual job, we do utilize the following default settings:

Segment Terminator:	~	(Decimal Value 126 or HEX 7E)
Element Separator:	*	(Decimal Value 42 or HEX 2A)
Sub-element Separator:	>	(Decimal Value 62 or HEX 3E)
Repeat Separator:	<	(Decimal Value 60 or HEX 3C)

When the Standard Version (ISA12) is set to 00501, ISA11 will be designated as the Repeat Separator. Otherwise, ISA11 will be designated as the Interchange Standards Identifier.

For incoming EDI transactions, Dsco automatically detects the characters above as the EDI specification dictates that the Element Separator be the 104th character, the Sub-element Separator be the 105th character, and the Segment Terminator be the 106th character.

997 Acknowledgements

Dsco does not require that you return a 997 for each transaction that we send you, but it is considered best practice to do so and we encourage you to comply.

Dsco will generate a 997 for each transaction that we process if you have enabled this feature. All 997 documents we generate will be deposited on our SFTP server within the "/out" directory. Dsco does not currently support the generation of 997 documents that need to be delivered to external destinations.

A 997 is not a confirmation that the content delivered or received is correct, only that the transaction was received. If there are issues with the actual content of the transaction, please contact our support team.

Contact Information

For support with your EDI exchange, please visit <http://support.dsco.io> or email us at support@dsco.io.

2.1 Timing

It is extremely important to update inventory and orders as quickly as you have accurate/valid data. If you are only able to provide accurate inventory level information daily, it's best to send Dsco your inventory information on a daily basis rather than hourly. However, if you are able to provide accurate information hourly, please do so. Invoice data should be submitted within 24 hours of shipment.

2.2 Data Integrity

Data integrity of all transactions is vital to the quality of the customer experience and a successful Drop Ship program. Two components contribute to the accuracy of the program, EDI syntax and the data itself.

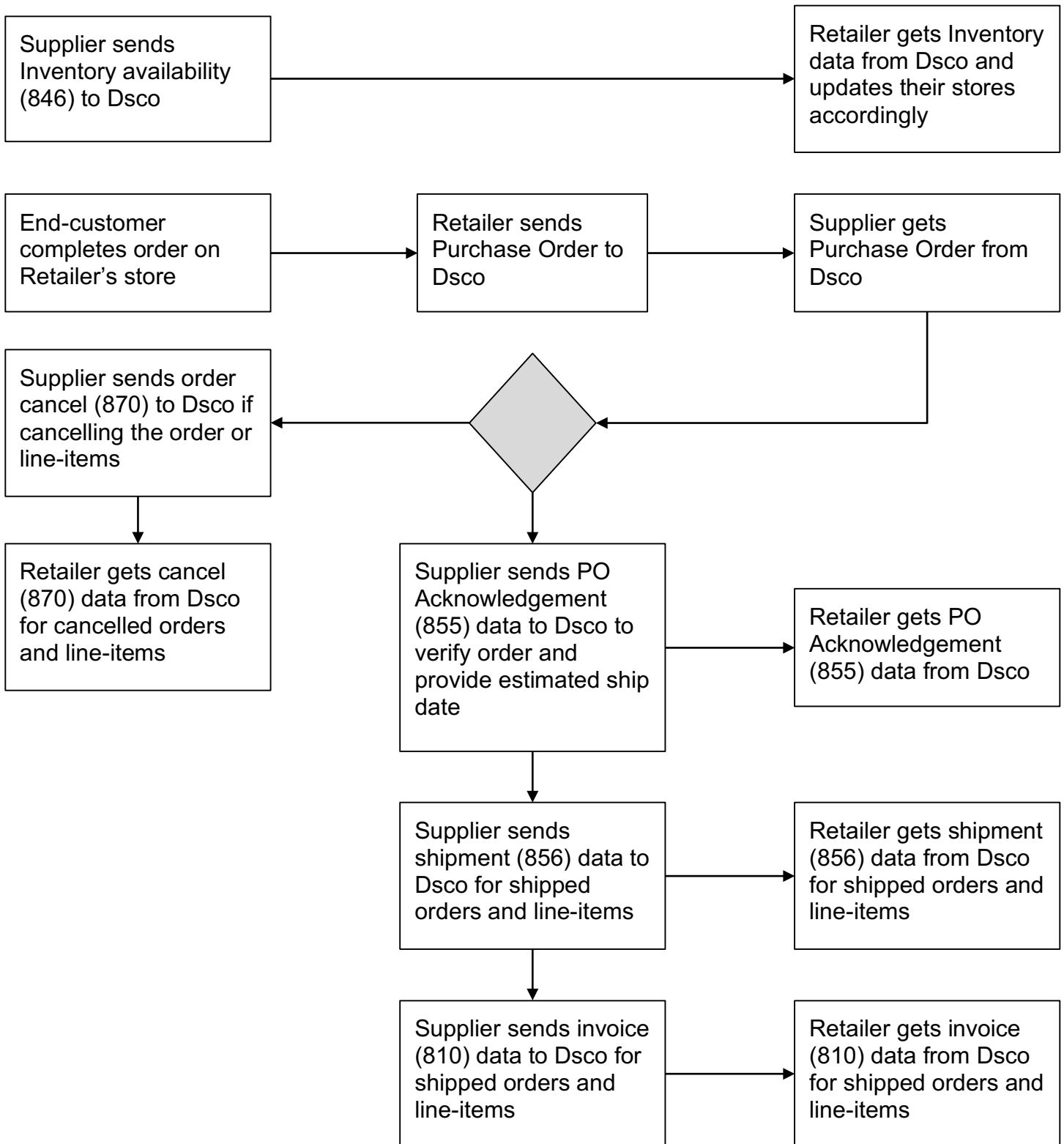
Processing History

Dsco keeps all detailed automation history for all imports and exports for at least 45 days and it is the responsibility of the Dsco user to review the automation history for any errors and to address any notifications sent as a result of processing errors. If questions arise as to any issues or problems, please contact Dsco support at support@dsco.io.

Quality of data

The Dsco Order ID or Purchase Order number, Dsco Item ID or SKU, and Line Item Number sent on the PO must be returned on the return transactions (870 Order Status, 856 Ship Notice, 855 PO Acknowledgement, and 810 Invoice) in order for the information to update properly within Dsco.

3.0 EDI Transaction Overview



EDI	Description	Path
846	Inventory Sending anything greater than '0' in the QTY02 segment indicates that the supplier has sufficient stock to fulfill orders. Sending a '0' indicates that the supplier is either out-of-stock on the particular item or, if the supplier has a safety stock level in place, the stock is low enough that the item may end up going on backorder. Please be sure to include actual quantities. Yes, sending a '1' will set the item to “in-stock” status, but if the retailer has opted to utilize the auto-inventory-decrementing feature within DSCO, that item will immediately be set to “out-of-stock” as soon as the first order is processed for that item.	Supplier to DSCO to Retailer
N/A	Product Copy & Images The supplier can upload product copy and images through batch automation or manually through the DSCO portal.	Supplier to DSCO to Retailer
850	Purchase Order Purchase Orders can be submitted to DSCO at any time of the day so it's important for suppliers to get orders from DSCO as often as possible. Hourly is recommended and daily if hourly is not feasible.	Retailer to DSCO to Supplier
855	Purchase Order Acknowledgement Purchase Order Acknowledgements are used to confirm that the supplier has successfully received the Purchase Order 850. They can also provide an Estimated Ship Date if available. Hourly is recommended and daily if hourly is not feasible.	Supplier to DSCO to Retailer
856	Ship Notice Also called an ASN (Advance Ship Notice) or Ship Confirm. The supplier must send DSCO this EDI transaction indicating the ship information for orders they have shipped at least daily but hourly if possible. In order to fulfill the delivery commitment to our mutual customer, it is expected that orders will ship based on the service level sent in the 850/PO from the first business day the purchase order is available within DSCO. To successfully update our system, we need to receive the correct SKUs and purchase order number as sent in the original 850/PO. This information will update our internal systems which notify the customer of the status of their order. If an 856 is sent for items that were cancelled previously, DSCO will reject the update.	Supplier to DSCO to Retailer
870	Order Status - Cancel This transaction will update the customer's order if the vendor is unable to fill the order within the expected service level. To successfully update our system, we need to receive the correct SKUs and purchase order number as sent in the original 850/PO. Do not send an EDI 870 for shipped items. If an 856 is sent AFTER an 870 has already been sent, DSCO will reject the shipment.	Supplier to DSCO to Retailer
810	Invoice Invoice information will only be accepted for items that have been shipped. To successfully update our system, we also need to receive the PO number and SKUs as sent in the original 850/PO. If an 810 is sent for items that were cancelled previously, DSCO will reject the invoice.	Supplier to DSCO to Retailer

4.0 Inventory Advice - EDI 846

The Inventory Advice transaction originates with the Supplier, is sent to DSCO, and then the Retailer gets the transaction from DSCO.

Purpose: To inform the Retailer of inventory availability with accurate inventory levels.

Frequency: Inventory information should be processed hourly. If hourly is not feasible, at least daily.

- DSCO recommends providing a valid quantity level (the quantity available in the supplier's warehouse that can be shipped upon receipt of a Purchase Order) although any value above 0 means that the item is in-stock.
 - An inventory quantity that is > 0 means the item is in-stock and can be purchased.
 - The supplier can implement any “safety net” algorithm they choose, such as sending a stock quantity of 0 when the item is not truly out-of-stock but rather in the critically low stock level. This level is determined by the supplier.
 - Sending a '1' or anything greater than '0' in the QTY02 segment indicates that the supplier has sufficient stock to fulfill orders. Sending a '0' indicates that the vendor is either out-of-stock on the particular item or stock is low enough that the item may end up going on backorder.

If a '0' quantity is sent, an SCH segment is also requested. This segment provides a future available date in SCH06 which should be either:

The date of expected availability of the item.

-or-

If the item is NOT planned to be available in the future, then the date will need to be '20391231' and the item will be considered to be discontinued.

NOTE:

- Sending a '0' quantity 846 record does not affect any orders pending for the item; 870 transactions must be sent to properly cancel any open orders containing that item.
- In the event that data integrity becomes an issue, DSCO may request that the Supplier submit a full inventory transaction rather than changes only.

Warehouse Quantities

When creating a new SKU, the N1 segment must be omitted and the QTY segment should include the total quantity available. When the N1 segment is provided, only the Quantity and Cost will be updated within the given Warehouse.

At this moment, DSCO does not calculate the total quantity available based on the quantities provided for each warehouse. In order for the total quantity to be set, a LIN segment without an N1 segment must be provided and then subsequent LIN/N1 segments can be provided which will update each warehouse with the corresponding quantity and cost information.

4.1 846 Segment Hierarchy

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

ISA	Interchange Header
GS	Group Header

Header

ST	Transaction Set Header
BIA	Beginning Segment for Inventory / Inquiry
CUR	Currency
REF	Internal Supplier Number

Line Item Detail Loop (The LIN segment indicates a new item record set)

LIN	Item Identification
PID	Item Title
CTP	Item Cost
QTY	Quantity
SCH	Line Item Schedule
N1	Warehouse Details *
REF	Reference - Item Status **
REF	Reference - DSCO Product ID **
REF	Reference - DSCO Retailer Assortments **
REF	Reference - DSCO Supplier Name **
REF	Reference - DSCO Supplier ID **
REF	Reference - DSCO Create Date **
REF	Reference - DSCO Last Quantity Update Date **
REF	Reference - DSCO Last Cost Update Date **
REF	Reference - DSCO Last Update Date **
REF	Reference - DSCO Trading Partner Identifier **
REF	Reference - DSCO Trading Partner Name **

Trailer

SE	Transaction Set Trailer
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GE	Group Trailer
IEA	Interchange Trailer

* When creating a new SKU, the N1 segment must be omitted and the QTY segment should include the total quantity available. When the N1 segment is provided, only the Quantity and Cost will be updated within the given Warehouse.

At this moment, DSCO does not calculate the total quantity available based on the quantities provided for each warehouse. In order for the total quantity to be set, a LIN segment without an N1 segment must be provided and then subsequent LIN/N1 segments can be provided which will update each warehouse with the corresponding quantity and cost information.

** Included in exports only. These are generated by the DSCO platform so suppliers do not need to include these segments.

4.2 846 Segment Specification

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

Element	Name	Comment
ST - Transaction Set Header (Mandatory)		
ST01	Transaction Set Identifier Code	'846'
ST02	Transaction Set Control Number	Unique number that is incremented by 1 for each transaction set sent. (Maximum of 9 digits)
BIA - Beginning Segment for Inventory Inquiry (Mandatory)		
BIA01	Transaction Set Purpose Code	'00' for Original
BIA02	Report Type Code	'MM' Manufacturers Inventory Report
BIA03	Reference Identification	Sequential Reference Number
BIA04	Date	Date (CCYYMMDD format)
BIA05	Time	Time (HHMMSS format)
CUR - Currency (Optional)		
CUR01	Entity Identifier Code	'SE' for Selling Party
CUR02	Currency Code	'USD'
REF - Internal Supplier Number (Optional)		
REF01	Reference Identification Qualifier	'IA' for Internal Supplier Number
REF02	Reference Identification	Trading Partner ID is used as the first priority, otherwise the DSCO Supplier ID will be utilized.
LIN - Item Identification (Mandatory)		
LIN01	Assigned ID	dsko_item_id - The internal DSCO identifier for this item. Will only be populated for exports from DSCO.
LIN02	Product ID Qualifier	'SK' for SKU
LIN03	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required. If a SKU is not available you may duplicate the UPC or EAN to this field.
LIN04	Product ID Qualifier	'UP' for UPC 'EN' for EAN 'MG' for Manufacturer's Part Number (MPN) 'IB' for International Standard Book Number (ISBN) 'UK' for Global Trade Number (GTIN) 'BL' for Brand/Label 'BP' for Partner SKU 'CB' for Retailer Item Identifier
LIN05	Product ID	When the qualifier is 'UP': Universal Product Code (UPC) When the qualifier is 'EN': European Article Number (EAN) When the qualifier is 'MG': Manufacturer's Part Number (MPN) When the qualifier is 'IB': International Standard Book Number (ISBN) When the qualifier is 'UK': Global Trade Item Number (GTIN) When the qualifier is 'BL': Brand/Manufacturer When the qualifier is 'BP': Your partner's SKU. This field can be used when you only work with one trading partner. When the qualifier is 'CB': Retailer Item Identifier - Was previously 'ZZ' (changed on 2018-06)

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LIN06	Product ID Qualifier	Same as LIN04
LIN07	Product ID	Same as LIN05
LIN08	Product ID Qualifier	Same as LIN04
LIN09	Product ID	Same as LIN05
LIN10	Product ID Qualifier	Same as LIN04
LIN11	Product ID	Same as LIN05
LIN12	Product ID Qualifier	Same as LIN04
LIN13	Product ID	Same as LIN05
LIN14	Product ID Qualifier	Same as LIN04
LIN15	Product ID	Same as LIN05
LIN16	Product ID Qualifier	Same as LIN04
LIN17	Product ID	Same as LIN05
LIN18	Product ID Qualifier	Same as LIN04
LIN19	Product ID	Same as LIN05
LIN20	Product ID Qualifier	Same as LIN04
LIN21	Product ID	Same as LIN05
LIN22	Product ID Qualifier	Same as LIN04
LIN23	Product ID	Same as LIN05
PID - Product/Item Description (Optional)		
PID01	Item Description Code	'F' for Free-form
PID02	Product/Process Characteristic Code	'08' for Product Title
PID03 - PID04	empty	empty
PID05	Description	The title of the SKU. A common practice is to concatenate this data with other fields (such as manufacturer and brand) to end up with a more complete title (e.g. 'Lenovo Thinkpad T410 Notebook').
CTP - Item Cost (Optional)		
CTP01	Class of Trade Code	'AS' for Seller
CTP02	Price Identifier Code	'WHL' for Wholesale
CTP03	Unit Price	The price of the SKU you are charging your retailers. When pricing tiers are used, this would be considered the default price. No thousand separators or currency signs are allowed. Format: 999.99 Attention: The decimal place must be included.
QTY - Quantity (Mandatory)		
QTY01	Quantity Qualifier	'33' for Quantity Available for Sale (stock quantity).
QTY02	Quantity	Numeric value of Quantity that is available for sale.
QTY03	Composite Unit of Measure	'EA' for Each
SCH - Line Item Schedule (Optional - Used only if the item is out-of-stock or discontinued)		
SCH01	Quantity	Quantity Being Manufactured '0' to indicate a SKU is no longer being manufactured ('1' OK if zero is not allowed by your translator)
SCH02	Unit or Basis for Measurement Code	'EA' for Each
SCH03	empty	empty
SCH04	empty	empty
SCH05	Date/Time Qualifier	'018' for Anticipated Availability Date ** If sending the SCH05 segment then the SCH06 segment is also required
SCH06	Date	Anticipated Availability Date (CCYYMMDD format)

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		**20391231 to indicate a SKU is discontinued
N1 - Name - Warehouse Details (When included, the quantity (QTY) information will be set only for the given warehouse)		
When creating a new SKU, the N1 segment must be omitted and the QTY segment should include the total quantity available. When the N1 segment is provided, only the Quantity and Cost will be updated within the given Warehouse.		
At this moment, Dsco does not calculate the total quantity available based on the quantities provided for each warehouse. In order for the total quantity to be set, a LIN segment without an N1 segment must be provided and then subsequent LIN/N1 segments can be provided which will update each warehouse with the corresponding quantity and cost information.		
N101	Entity Identifier Code	'SE' for Selling Party
N102	Free-form Name	Free-form Warehouse Name
N103	Identification Code Qualifier	'ZZ' for Mutually Defined
N104	Identification Code	Warehouse Code
REF - Item Status (Optional - If not provided we will infer the status from the Quantity)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Possible values include: in-stock, out-of-stock, discontinued, hidden
REF03	Description	'status'
REF - Dsco Product ID (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The product_id assigned by Dsco for this item.
REF03	Description	'dsco_product_id'
REF - Dsco Retailer Assortments (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The assortments the SKU is assigned to within Dsco in human readable format. Suppliers cannot set the assortments as this is a feature that Retailers have while organizing the products they have available to them. Multiple Assortments will be separated by the double caret "^".
REF03	Description	'dsco_retailer_assortments'
REF - Dsco Supplier Name (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the supplier within the Dsco platform for this item.
REF03	Description	'dsco_supplier_name'
REF - Dsco Supplier ID (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The supplier_id assigned by Dsco for this item.
REF03	Description	'dsco_supplier_id'
REF - Dsco Create Date (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the SKU was originally created within Dsco. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsco_create_date'
REF - Dsco Last Quantity Update Date (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the SKUs quantity was last updated by the supplier. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsco_last_quantity_update_date'
REF - Dsco Last Cost Update Date (Not used by Suppliers - Only included in Retailer Exports) **		

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REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the SKUs cost was last updated by the supplier. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsco_last_cost_update_date'
REF - DSCO Last Update Date (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the SKU was last updated by the supplier. This could include title or any other field that DSCO supports. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsco_last_update_date'
REF - DSCO Trading Partner Identifier (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailers DSCO account identifier of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsco_trading_partner_id'
REF - DSCO Trading Partner Name (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailers DSCO account name of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsco_trading_partner_name'
REF – DSCO Warehouse DSCO ID (Not used by Suppliers - Only included in Retailer Exports) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse DSCO ID suggested by DSCO.
REF03	Description	'dsco_warehouse_dsco_id'
REF – Warehouse Retailer Code (Not used by Suppliers - Only included in Retailer Exports) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse retailer code.
REF03	Description	'warehouse_retailer_code'
SE - Transaction Set Trailer (Required)		
SE01	Number of Included Segments	Number of segments in transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match value in ST02.

4.3 846 Example

A supplier is sending inventory status on 3 products (SKU's 1111, 2222 and 3333).

The first SKU (1111) has 145 in stock and includes every possible segment that DSCO supports, including two warehouse quantity designations.

The second SKU (2222) is out-of-stock but has a backorder of 80 due to arrive on 2/17/2017.

The third SKU (3333) is discontinued.

```
ISA*00*      *00*      *ZZ*ABCDEF      *ZZ*DSCO      *170124*0640*U*00401*000000001*0*P*>~
GS*IB*ABCDEF*DSCO*20170124*0640*1*X*004010VICS~
ST*846*0001~
BIA*00*MM*1*20170124*064000~
CUR*SE*USD~
REF*IA*123456~
LIN**SK*1111*UP*111111111111*EN*111111111111*MG*1111*IB*1111*UK*1111*BL*Fake Brand Name*BP*abc1234~
PID*F*08***Fake title of SKU 1111~
CTP*AS*WHL*47.23~
QTY*33*145*EA~
REF*ZZ*in-stock*status~
LIN**SK*1111*UP*111111111111*EN*111111111111*MG*1111~
PID*F*08***Fake title of SKU 1111~
CTP*AS*WHL*47.23~
QTY*33*145*EA~
N1*SE*Main Warehouse*ZZ*MW~
REF*ZZ*123456789*dsco_warehouse_dsco_id~
REF*ZZ*123456789*warehouse_retailer_code~
REF*ZZ*in-stock*status~
LIN**SK*1111*UP*111111111111*EN*111111111111*MG*1111~
PID*F*08***Fake title of SKU 1111~
CTP*AS*WHL*47.23~
QTY*33*0*EA~
SCH*33*EA***018*20170217~
N1*SE*Secondary Warehouse*ZZ*SW~
REF*ZZ*123456800*dsco_warehouse_dsco_id~
REF*ZZ*SW122334456*warehouse_retailer_code~
REF*ZZ*out-of-stock*status~
LIN**SK*2222*UP*222222222222*EN*222222222222*MG*2222*IB*222222222222*UK*222222222222~
QTY*33*0*EA~
SCH*80*EA***018*20170217~
REF*ZZ*out-of-stock*status~
LIN**SK*3333*UP*333333333333*EN*333333333333*MG*3333~
QTY*33*0*EA~
SCH*0*EA***018*20391231~
REF*ZZ*discontinued*status~
SE*31*0001~
GE*1*1~
IEA*1*000000001~
```

5.0 Purchase Order - EDI 850 - 4010

The Purchase Order transaction originates with the Retailer, is sent to DSCO and is then exported to the Supplier.

Purpose: To transmit new orders.

Frequency: Purchase Orders should be processed hourly. If hourly is not feasible, at least daily.

5.1 850 - 4010 Segment Hierarchy

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

ISA	Interchange Header
GS	Group Header

Header

ST	Transaction Set Header
BEG	Beginning Segment for Purchase Order
CUR	Currency
REF	Internal Supplier Number
REF	Channel **
REF	Test Flag **
REF	DSCO Order ID **
REF	DSCO Order Status **
REF	DSCO Retailer Name **
REF	DSCO Retailer ID **
REF	DSCO Supplier Name **
REF	DSCO Supplier ID **
REF	DSCO Create Date **
REF	DSCO Last Update Date **
REF	DSCO Trading Partner ID **
REF	DSCO Trading Partner Name **
DTM	Acknowledge-By Date/Time Reference
DTM	Cancel After Date/Time Reference
DTM	Ship-By Date/Time Reference
DTM	Invoice-By Date/Time Reference
DTM	Retailer Create Date/Time Reference
TD5	Carrier/Shipment Details
N9	Consumer Order Number
N1	Name
N3	Address Information
N4	Geographic Location
PER	Communications Contact

Item Detail

PO1	Baseline Item Data
LIN	Line-item Identification - Not required for 850 imports but it will be included in 850 exports. **

Trailer

SE	Transaction Set Trailer
----	-------------------------

GE	Group Trailer
IEA	Interchange Trailer

** Included in exports only. These are generated by the DSCO platform so suppliers do not need to include these segments.

5.2 850 - 4010 Segment Specification

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO Exports that document and does not need to be included in any Imports.

Element	Name	Comment
ST - Transaction Set Header (Mandatory)		
ST01	Transaction Set Identifier Code	'850'
ST02	Transaction Set Control Number	Unique number that is incremented by 1 for each transaction set sent. (Maximum of 9 digits)
BEG - Beginning Segment for Purchase Order (Mandatory)		
BEG01	Transaction Set Purpose Code	'00' Original
BEG02	Purchase Order Type Code	'SA' for Stand-Alone Order
BEG03	Purchase Order Number	Purchase Order Number
BEG04	empty	empty
BEG05	Date	Date in format (CCYYMMDD)
CUR - Currency (Optional)		
CUR01	Entity Identifier Code	'BY' for Buying Party
CUR02	Currency Code	'USD'
REF - Internal Supplier Number (Optional)		
REF01	Reference Identification Qualifier	'IA' for Internal Supplier Number
REF02	Reference Identification	Trading Partner ID is used as the first priority, otherwise the DSCO Supplier ID will be utilized.
REF - Channel (Not used by Suppliers - Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Channel - Allows retailers to specify which of their channels this order was sourced from. For example, if the retailer has two eCommerce channels it is helpful if we know which channel each order came from so that DSCO can return shipment data to the appropriate channel via automated export.
REF03	Description	'channel'
REF - Test Flag (Optional for Retailers - Will be included in Supplier exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	When set to '1', the order will be designated as a "test" order. Retailers and Suppliers will be able to filter on this flag within the

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		DSCO portal and Suppliers will be able to include these orders within their automated or manual order exports by specifying that they want test orders to be included. When set to '0' or not provided in the feed, the order will be considered a "live" order.
REF03	Description	'test_flag'
REF - DSCO Order Identifier (Not used by Retailers - Only included in Supplier Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The order ID assigned by DSCO for the given order within DSCO.
REF03	Description	'dsko_order_id'
REF - DSCO Order Status (Not used by Retailers - Only included in Supplier Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The status of the order assigned by DSCO. Possible values are: created, shipment pending, shipped, cancelled
REF03	Description	'dsko_order_status'
REF - DSCO Retailer Name (Not used by Retailers - Only included in Supplier Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the given retailer within the DSCO platform.
REF03	Description	'dsko_retailer_name'
REF - DSCO Retailer Identifier (Not used by Retailers - Only included in Supplier Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The DSCO retailer identifier of the given retailer within the DSCO platform.
REF03	Description	'dsko_retailer_id'
REF - DSCO Supplier Name (Not used by Retailers - Only included in Supplier Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the supplier within the DSCO platform for this item.
REF03	Description	'dsko_supplier_name'
REF - DSCO Supplier ID (Not used by Retailers - Only included in Supplier Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The supplier ID assigned by DSCO for this item.
REF03	Description	'dsko_supplier_id'
REF - DSCO Create Date (Not used by Retailers - Only included in Supplier Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the order was originally created within DSCO. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsko_create_date'
REF - DSCO Last Update Date (Not used by Retailers - Only included in Supplier Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the order was last updated in any way. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsko_last_update_date'
REF - DSCO Trading Partner Identifier (Not used by Retailers - Only included in Supplier Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's DSCO account identifier of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsko_trading_partner_id'
REF - DSCO Trading Partner Name (Not used by Retailers - Only included in Supplier Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's DSCO account name of the given SKU as specified using

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		the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsco_trading_partner_name'
DTM - Acknowledge-By Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'ACK' for Acknowledge - When the supplier is expected to acknowledge the order by.
DTM02	Date	Acknowledge-By Date in format CCYYMMDD
DTM03	Time	Acknowledge-By Time in format HHMM
DTM - Cancel-If-Not-Shipped-By Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'175' for Cancel-If-Not-Shipped-By Date- When the supplier is expected to cancel the order if not shipped by this date.
DTM02	Date	Cancel-After Date in format CCYYMMDD
DTM03	Time	Cancel-After Time in format HHMM
DTM - Ship-By Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'038' for Ship No Later - When the supplier is expected to ship the order by.
DTM02	Date	Ship-By Date in format CCYYMMDD
DTM03	Time	Ship-By Time in format HHMM
DTM - Invoice-By Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'003' for Invoice - When the supplier is expected to invoice the order by.
DTM02	Date	Invoice-By Date in format CCYYMMDD
DTM03	Time	Invoice-By Time in format HHMM
DTM - Retailer Create Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'004' for Purchase Order - When the order was created within the retailer's system.
DTM02	Date	Retailer Create Date in format CCYYMMDD
DTM03	Time	Retailer Create Time in format HHMM
TD5 - Carrier Details (Mandatory)		
TD501	Qualifier	'Z' for Mutually Defined
TD502	Qualifier	'ZZ' for Mutually Defined
TD503	Code	Ship Carrier - Examples: FedEx, UPS, USPS
TD504	Qualifier	'ZZ' for Mutually Defined
TD505	Code	Ship Method - Examples: Ground, SmartPost, Overnight
TD506	empty	empty
TD507	Location Qualifier	'ZZ' for Mutually Defined
TD508	Location Identifier	Shipping Service Level Code Available service codes can be found in Appendix B at the end of this document.
N9 - Reference Identification (Optional)		
N901	Reference Identification Qualifier	'CO' for Customer Order Number - consumer_order_number within Dsco's schema
N902	Reference Identification	Customer order number - consumer_order_number within Dsco's schema. May be required by the retailer that this be printed on the packing slip.
N1 - Name (Mandatory)		
N101	Entity Identifier Code	'ST' for Ship-To
N102	Name	Customer name that should be displayed on the package address label and packing slip.
N3 - Address Information (Mandatory)		
N301	Address Information	First address line of Ship-To that should be displayed on the package address label and packing slip.

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N302	Address Information	Second address line of Ship-To that should be displayed on the package address label and packing slip.
N4 - Geographic Locations (Mandatory)		
N401	City Name	Ship-To City that should be displayed on the package address label and packing slip.
N402	State Code	Ship-To State that should be displayed on the package address label and packing slip.
N403	Postal Code	Ship-To Zip code excluding punctuation (hyphens) and blanks. Should be displayed on the package address label and packing slip.
N404	Country Code	Ship-To Country code. Should be displayed on the package address label and packing slip.
PER - Communications Contact (Optional)		
PER01	Contact Function Code	'IC' for Individual Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number
PER04	Communication Number	10-digit phone number + up to 6-digit extension formatted as (XXX)XXX-XXXX XXXXXX
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	Ship-to Email Address
PO1 - Baseline Item Data (Mandatory)		
PO101	Assigned Identification	Line item number on the PO. Starts with 1 for the first line-item and then increments for each subsequent line-item.
PO102	Quantity Ordered	1 or more
PO103	Unit or Basis for Measurement	'EA' for Each
PO104	Unit Price	The expected cost of the item being ordered. Max with format: 9999.99 Attention: The decimal place must be included.
PO105	empty	empty
PO106	Product ID Qualifier	'SK' for SKU
PO107	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required. If a SKU is not available you may duplicate the UPC or EAN to this field.
PO108	Product ID Qualifier	'UP' for UPC 'EN' for EAN 'MG' for Manufacturer's Part Number (MPN) 'EM' for dsco_item_id 'PD' for line_item_title 'CB' for line_item_retailer_item_identifier
PO109	Product ID	When the Qualifier is 'UP': Universal Product Code (UPC) When the Qualifier is 'EN': European Article Number (EAN) When the Qualifier is 'MG': Manufacturer's Part Number (MPN) When the Qualifier is 'CB': Retailer Item Identifier
PO110	Product ID Qualifier	Same as PO108
PO111	Product ID	Same as PO109
PO112	Product ID Qualifier	Same as PO108
PO113	Product ID	Same as PO109
PO114	Product ID Qualifier	Same as PO108
PO115	Product ID	Same as PO109
PO116	Product ID Qualifier	Same as PO108
PO117	Product ID	Same as PO109
PO118	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no line_item_consumer_price is

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		available.
PO119	Product ID	line_item_consumer_price - The price that the retailer charged their customer for the given SKU. Format: 9999.99
PO120	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no line_item_personalization is available.
PO121	Product ID	line_item_personalization - Instructions for personalization.
PO122	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no line_item_warehouse_code is available.
PO123	Product ID	line_item_warehouse_code - Used in conjunction with the new DSCO Catalog Object which allows for quantities to be specified for multiple warehouses. If the Retailer wishes for the Supplier to ship from a specific warehouse, that specific warehouse's warehouse code should be specified using this field. Since this is a line_item level field, each line_item_sku being ordered can specify a warehouse_code.
PO124	Product ID Qualifier	Same as PO108
PO125	Product ID	Same as PO109
LIN - Line-Item Identification (Optional - Not required for 850 imports but will be included in 850 exports)		
LIN01	Assigned ID	dSCO_item_id - The internal DSCO identifier for this item. Will only be populated for exports from DSCO.
LIN02	Product ID Qualifier	'SK' for SKU - Empty if no SKU is available.
LIN03	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required. If a SKU is not available you may duplicate the UPC or EAN to this field.
LIN04	Product ID Qualifier	'UP' for UPC Qualifier - Empty if no UPC is available.
LIN05	Product ID	The Universal Product Code (UPC).
LIN06	Product ID Qualifier	'EN' for EAN Qualifier - Empty if no EAN is available.
LIN07	Product ID	The European Article Number (EAN).
LIN08	Product ID Qualifier	'MG' for Manufacturer's Part Number (MPN) Qualifier - Empty if no MPN is available.
LIN09	Product ID	The Manufacturer's Part Number (MPN).
LIN10	Product ID Qualifier	'IB' for International Standard Book Number (ISBN) Qualifier - Empty if no ISBN is available.
LIN11	Product ID	The International Standard Book Number (ISBN).
LIN12	Product ID Qualifier	'UK' for Global Trade Number (GTIN) Qualifier - Empty if no GTIN is available.
LIN13	Product ID	The Global Trade Item Number (GTIN).
LIN14	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no retailer_item_identifier is available.
LIN15	Product ID	Retailer Item Identifier * Suppliers can ignore this as this is utilized only by the retailer to map their internal identifier to the given item.
SE - Transaction Set Trailer (Mandatory)		
SE01	Number of Included Segments	Number of segments in transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match value in ST02.

5.3 850 - 4010 Example

```

ISA*00*      *00*      *ZZ*DSCO      *ZZ*ABCD      *170124*0640*U*00401*000000001*0*P*>~
GS*PO*DSCO*ABCD*20170124*0640*1*X*004010VICS~
ST*850*0001~
BEG*00*SA*12345678**20171225~
CUR*BY*USD~

```

Dsco Dropship EDI Specification

REF*IA*123456~
REF*ZZ*1*test_flag~
REF*ZZ*123456*dsco_order_id~
REF*ZZ*created*dsco_order_status~
REF*ZZ*Retailer Name*dsco_retailer_name~
REF*ZZ*123456789*dsco_retailer_id~
REF*ZZ*Supplier Name*dsco_supplier_name~
REF*ZZ*123456789*dsco_supplier_id~
REF*ZZ*2017-12-25T23:45:59+06:00*dsco_create_date~
REF*ZZ*2017-12-25T23:45:59+06:00*dsco_last_update_date~
REF*ZZ*123456789*dsco_trading_partner_id~
REF*ZZ*Trading Partner Name*dsco_trading_partner_name~
DTM*ACK*20171225*1240~
DTM*175*20171225*2340~
DTM*038*20171226*2340~
DTM*003*20171227*2340~
DTM*004*20171224*2340~
TD5*Z*ZZ*FedEx*ZZ*Ground**ZZ*FESP~
N9*CO*10007241899999~
N1*ST*John Smith~
N3*1234 E Main Street~
N4*City*UT*84003~
PER*IC**TE*801123456789*EM*fake@domain.com~
PO1*1*2*EA*14.40**SK*1111*UP*111111111111*EN*111111111111*MG*1111*EM*123456*PD*Title of Line
Item*ZZ*26.45*ZZ*Personalization instructions*ZZ*W01*CB*AAAA~
LIN*123456*SK*1111*UP*111111111111*EN*111111111111*MG*1111*IB*1111*UK*1111*ZZ*AAAA~
SE*25*0001~
ST*850*0002~
BEG*00*SA*12345679**20171225~
CUR*BY*USD~
REF*IA*123456~
REF*ZZ*1*test_flag~
REF*ZZ*123456*dsco_order_id~
REF*ZZ*created*dsco_order_status~
REF*ZZ*Retailer Name*dsco_retailer_name~
REF*ZZ*123456789*dsco_retailer_id~
REF*ZZ*Supplier Name*dsco_supplier_name~
REF*ZZ*123456789*dsco_supplier_id~
REF*ZZ*2017-12-25T23:45:59+06:00*dsco_create_date~
REF*ZZ*2017-12-25T23:45:59+06:00*dsco_last_update_date~
REF*ZZ*123456789*dsco_trading_partner_id~
REF*ZZ*Trading Partner Name*dsco_trading_partner_name~
DTM*ACK*20171225*1240~
DTM*175*20171225*2340~
DTM*038*20171226*2340~
DTM*003*20171227*2340~
DTM*004*20171224*2340~
TD5*Z*ZZ*FedEx*ZZ*Ground**ZZ*FESP~
N9*CO*10007241899999~
N1*ST*Fake Name~
N3*456 N 200 S*Suite 2B~
N4*Nowhereville*UT*84003~
PER*IC**TE*978123456789*EM*email@fake.com~
PO1*1*2*EA*14.40**SK*1111*UP*111111111111*EN*111111111111*MG*1111*EM*123456*PD*Title of Line
Item*ZZ*26.45*ZZ*Personalization instructions*ZZ*W01*CB*AAAA~
LIN*123456*SK*1111*UP*111111111111*EN*111111111111*MG*1111*IB*1111*UK*1111*ZZ*AAAA~
PO1*1*2*EA*14.40**SK*2222*UP*222222222222*EN*222222222222*MG*2222*EM*123456*PD*Title of Line
Item*ZZ*26.45*ZZ*Personalization instructions*ZZ*W01*CB*AAAA~

Dsco Dropship EDI Specification

LIN*123470*SK*2222*UP*222222222222*EN*222222222221*MG*2222*IB*2222*UK*2222*ZZ*AAAA~
SE*27*0002~
GE*2*1~
IEA*1*000000001~

6.0 Purchase Order - EDI 850 - 5010

The Purchase Order transaction originates with the Retailer, is sent to DSCO and is then exported to the Supplier.

Purpose: To transmit new orders.

Frequency: Purchase Orders should be processed hourly. If hourly is not feasible, at least daily.

6.1 850 - 5010 Segment Hierarchy

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

ISA	Interchange Header
GS	Group Header

Header

ST	Transaction Set Header
BEG	Beginning Segment for Purchase Order
CUR	Currency
REF	Internal Supplier Number
REF	Channel **
REF	Test Flag **
REF	Gift Flag **
REF	Gift Receipt ID **
BAF	Receipt ID **
REF	DSCO Order ID **
REF	DSCO Order Status **
REF	DSCO Retailer ID **
REF	DSCO Retailer Name **
REF	DSCO Supplier ID **
REF	DSCO Supplier Name **
REF	DSCO Trading Partner ID **
REF	DSCO Trading Partner Name **
REF	DSCO Create Date **
REF	DSCO Last Update Date **
REF	Payment Card Type 1-X
REF	Payment Card Last Four 1-X
REF	Tax Percentage 1-X
REF	Tax Type Code 1-X
REF	Coupon Amount 1-X
REF	Coupon Percentage 1-X
REF	DSCO Ship Carrier **
REF	DSCO Ship Method **
REF	DSCO Shipping Service Level Code **
REF	Retailer Ship Carrier **
REF	Retailer Ship Method **

Dsco Dropship EDI Specification

REF	Retailer Shipping Service Level Code **
REF	Requested Warehouse Code - Added 2018-06
REF	Requested Warehouse Retailer Code - Added 2018-06
REF	Requested Warehouse Dsco ID - Added 2018-06
REF	Dsco Warehouse Code - Added 2018-06 **
REF	Dsco Warehouse Retailer Code - Added 2018-06 **
REF	Dsco Warehouse Dsco ID - Added 2018-06 **
REF	Ship Warehouse Code - Added 2018-06 **
REF	Ship Warehouse Retailer Code - Added 2018-06 **
REF	Ship Warehouse Dsco ID - Added 2018-06 **
SAC	Shipping Surcharge
DTM	Acknowledge-By Date/Time Reference
DTM	Cancel After Date/Time Reference
DTM	Ship-By Date/Time Reference
DTM	Invoice-By Date/Time Reference
DTM	Retailer Create Date/Time Reference
DTM	Expected Delivery Date/Time Reference
DTM	Required Delivery Date/Time Reference
TD5	Carrier/Shipment Details
TD4	Signature Required Flag
N9	Consumer Order Number
N9	Order Notes **
MTX	Marketing Message
MTX	Shipping Instructions
MTX	Packing Instructions
MTX	Packing Slip Message
MTX	Returns Message
MTX	Message
MTX	Gift Message
N1	Gift-To Name
N1	Gift-From Name
N1	Ship-To Name
N2	Ship-To Company/Attention
N3	Ship-To Address Information
N4	Ship-To Geographic Location
REF	Ship-To Store Number
PER	Ship-To Communications Contact
N1	Bill-To Name
N2	Bill-To Company/Attention
N3	Bill-To Address Information
N4	Bill-To Geographic Location
PER	Bill-To Communications Contact

Item Detail

PO1	Baseline Item Data
LIN	Line-item Identification - Not required for 850 imports but it will be included in 850 exports.
CTP	Consumer Price
CTP	Retail Price
REF	Retailer Item ID 1-X - Added 2018-06
REF	Personalization

DSCO Dropship EDI Specification

REF	Tax Percentage 1-X - Added 2018-01
REF	Tax Type Code 1-X - Added 2018-01
REF	Warehouse Retailer Code - Added 2018-06
REF	Warehouse DSCO ID - Added 2018-06
SAC	Shipping Surcharge
N9	Line Level Notes **
MTX	Ship Instructions
MTX	Packing Instructions
MTX	Returns Message
MTX	Message
MTX	Gift Message
MTX	Packing Slip Message
N1	Gift-To Name
N1	Gift-From Name - Added 2018-01
N1	Department ID/Name - Added 2018-06
N1	Merchandising Account ID/Name - Added 2018-06

Trailer

CTT	Transaction Totals
SE	Transaction Set Trailer

GE	Group Trailer
IEA	Interchange Trailer

** Included in exports only. These are generated by the DSCO platform, so suppliers do not need to include these segments.

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Elements with an orange background are Mandatory.
Elements with a blue background are Conditionally Required.
Elements with a yellow background are Recommended.
Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

Element	Name	Comment
ST - Transaction Set Header (Mandatory)		
ST01	Transaction Set Identifier Code	'850'
ST02	Transaction Set Control Number	Unique number that is incremented by 1 for each transaction set sent. (Maximum of 9 digits)
BEG - Beginning Segment for Purchase Order (Mandatory)		
BEG01	Transaction Set Purpose Code	'00' Original
BEG02	Purchase Order Type Code	'SA' for Stand-Alone Order
BEG03	Purchase Order Number	Purchase Order Number
BEG04	empty	empty
BEG05	Order Create Date	Date in format (CCYYMMDD)
CUR - Currency (Optional)		

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CUR01	Entity Identifier Code	'BY' for Buying Party
CUR02	Currency Code	'USD'
REF - Internal Supplier Number (Optional)		
REF01	Reference Identification Qualifier	'IA' for Internal Supplier Number
REF02	Reference Identification	Trading Partner ID is used as the first priority, otherwise the DSCO Supplier ID will be utilized.
REF - Channel (Optional for Retailers - Will be included in Supplier exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Channel - Allows retailers to specify which of their channels this order was sourced from. For example, if the retailer has two eCommerce channels it is helpful if we know which channel each order came from so that DSCO can return shipment data to the appropriate channel via automated export.
REF03	Description	'channel'
REF - Test Flag (Optional for Retailers - Will be included in Supplier exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Test Flag - When set to '1', the order will be designated as a "test" order. Retailers and Suppliers will be able to filter on this flag within the DSCO portal and Suppliers will be able to include these orders within their automated or manual order exports by specifying that they want test orders to be included. When set to '0' or not provided in the feed, the order will be considered a "live" order.
REF03	Description	'test_flag'
REF - Gift Flag (Optional for Retailers - Will be included in Supplier exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Gift Flag - When set to '1', the order will be designated as a "gift" order. When set to '0' or not provided in the feed, the order will be considered a "normal", or "non-gift" order.
REF03	Description	'gift_flag'
REF - Gift Receipt ID (Optional for Retailers - Will be included in Supplier exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Gift Receipt ID - Gift receipt ID assigned to the order by the retailer.
REF03	Description	'gift_receipt_id'
REF - Receipt ID (Optional for Retailers - Will be included in Supplier exports) **		
REF01	Reference Identification Qualifier	'BAF' for Receipt Number
REF02	Reference Identification	Receipt ID - receipt ID assigned to the order by the retailer.
REF03	Description	'receipt_id'
REF - DSCO Order Identifier (Not used by Retailers - Only included in Supplier Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The order ID assigned by DSCO for the given order within DSCO.
REF03	Description	'dsko_order_id'
REF - DSCO Order Status (Not used by Retailers - Only included in Supplier Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The status of the order assigned by DSCO. Possible values are: created, shipment pending, shipped, cancelled
REF03	Description	'dsko_order_status'
REF - DSCO Retailer Identifier (Not used by Retailers - Only included in Supplier Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The DSCO retailer identifier of the given retailer within the DSCO platform.

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REF03	Description	'dsco_retailer_id'
REF - DSCO Retailer Name (Not used by Retailers - Only included in Supplier Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the given retailer within the DSCO platform.
REF03	Description	'dsco_retailer_name'
REF - DSCO Supplier ID (Not used by Retailers - Only included in Supplier Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The supplier ID assigned by DSCO for this item.
REF03	Description	'dsco_supplier_id'
REF - DSCO Supplier Name (Not used by Retailers - Only included in Supplier Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the supplier within the DSCO platform for this item.
REF03	Description	'dsco_supplier_name'
REF - DSCO Trading Partner Identifier (Not used by Retailers - Only included in Supplier Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's DSCO account identifier of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsco_trading_partner_id'
REF - DSCO Trading Partner Name (Not used by Retailers - Only included in Supplier Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's DSCO account name of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsco_trading_partner_name'
REF - DSCO Create Date (Not used by Retailers - Only included in Supplier Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the order was originally created within DSCO. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsco_create_date'
REF - DSCO Last Update Date (Not used by Retailers - Only included in Supplier Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the order was last updated in any way. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsco_last_update_date'
REF – Payment Card Type (Optional) - Added 2018-01		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Type of payment card used by the customer.
REF03	Description	'payment_card_type_x' (x can be 1 through 99)
REF – Payment Card Last Four (Optional) - Added 2018-01		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Last 4 digits of the payment card.
REF03	Description	'payment_card_last_four_x' (x can be 1 through 99)
REF – Tax Percentage (Optional) - Added 2018-01		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Percentage of tax applied to the order.
REF03	Description	'tax_percentage_x' (x can be 1 through 99)
REF – Tax Type Code (Optional) - Added 2018-01		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Type of tax applied to the order.
REF03	Description	'tax_type_code_x' (x can be 1 through 99)
REF – Coupon Amount (Optional) - Added 2018-01		

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REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Coupon Amount.
REF03	Description	'coupon_amount_x' (x can be 1 through 99)
REF – Coupon Percentage (Optional) - Added 2018-01		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Coupon Percentage.
REF03	Description	'coupon_percentage_x' (x can be 1 through 99)
REF – DSCO Ship Carrier (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping carrier the supplier should ship the order with.
REF03	Description	'dsko_ship_carrier'
REF – DSCO Ship Method (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping method the supplier should ship the order.
REF03	Description	'dsko_ship_method'
REF – DSCO Shipping Service Level Code (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping service level code the supplier should ship the order at.
REF03	Description	'dsko_shipping_service_level_code'
REF – Retailer Ship Carrier (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping carrier requested by the retailer.
REF03	Description	'retailer_ship_carrier'
REF – Retailer Ship Method (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping method requested by the retailer.
REF03	Description	'retailer_ship_method'
REF – Retailer Shipping Service Level Code (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping service level requested by the retailer.
REF03	Description	'retailer_shipping_service_level_code'
REF – Requested Warehouse Code (Optional) - Imported by retailers only - Added 2018-06		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse code requested by the retailer.
REF03	Description	'requested_warehouse_code'
REF – Requested Warehouse Retailer Code (Optional) - Imported by retailers only - Added 2018-06		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse retailer code requested by the retailer.
REF03	Description	'requested_warehouse_retailer_code'
REF – Requested Warehouse DSCO ID (Optional) - Imported by retailers only - Added 2018-06		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse DSCO ID requested by the retailer.
REF03	Description	'requested_warehouse_dsko_id'
REF – DSCO Warehouse Code (Optional) - Only included in exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse code suggested by DSCO.
REF03	Description	'dsko_warehouse_code'
REF – DSCO Warehouse Retailer Code (Optional) - Only included in exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse retailer code suggested by DSCO.
REF03	Description	'dsko_warehouse_retailer_code'

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REF – DSCO Warehouse DSCO ID (Optional) - Only included in exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse DSCO ID suggested by DSCO.
REF03	Description	'dsko_warehouse_dsko_id'
REF – Ship Warehouse Code (Optional) - Only included in exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse code the supplier should ship from.
REF03	Description	'ship_warehouse_code'
REF – Ship Warehouse Retailer Code (Optional) - Only included in exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse retailer code the supplier should ship from.
REF03	Description	'ship_warehouse_retailer_code'
REF – Ship Warehouse DSCO ID (Optional) - Only included in exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse DSCO ID the supplier should ship from.
REF03	Description	'ship_warehouse_dsko_id'
SAC – Service, Promotion, Allowance, or Charge Information (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D230' for Freight Surcharge
SAC03	empty	empty
SAC04	empty	empty
SAC05	Amount	Shipping surcharge amount – Implied Decimal – EDI Type N2
DTM - Acknowledge-By Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'ACK' for Acknowledge - When the supplier is expected to acknowledge the order by.
DTM02	Date	Acknowledge-By Date in format CCYYMMDD
DTM03	Time	Acknowledge-By Time in format HHMM
DTM - Cancel-If-Not-Shipped-By Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'175' for Cancel-If-Not-Shipped-By Date- When the supplier is expected to cancel the order if not shipped by this date.
DTM02	Date	Cancel-After Date in format CCYYMMDD
DTM03	Time	Cancel-After Time in format HHMM
DTM - Ship-By Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'038' for Ship No Later - When the supplier is expected to ship the order by.
DTM02	Date	Ship-By Date in format CCYYMMDD
DTM03	Time	Ship-By Time in format HHMM
DTM - Invoice-By Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'003' for Invoice - When the supplier is expected to invoice the order by.
DTM02	Date	Invoice-By Date in format CCYYMMDD
DTM03	Time	Invoice-By Time in format HHMM
DTM - Retailer Create Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'004' for Purchase Order - When the order was created within the retailer's system.
DTM02	Date	Retailer Create Date in format CCYYMMDD
DTM03	Time	Retailer Create Time in format HHMM

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DTM - Retailer Expected Delivery Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'074' for Purchase Order – Requested for delivery (on/before this date).
DTM02	Date	Retailer expected delivery date in format CCYYMMDD
DTM03	Time	Retailer expected delivery time in format HHMM
DTM - Retailer Required Delivery Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'996' for Required Delivery – the order must be delivered ON this date (not before or after).
DTM02	Date	Retailer required delivery date in format CCYYMMDD
DTM03	Time	Retailer required delivery time in format HHMM
TD5 - Carrier Details (Mandatory)		
TD501	Qualifier	'Z' for Mutually Defined
TD502	Qualifier	'ZZ' for Mutually Defined – Only set if TD503 is not empty
TD503	Code	Ship Carrier - Examples: FedEx, UPS, USPS
TD504	Qualifier	'ZZ' for Mutually Defined – Only set if TD505 is not empty
TD505	Code	Ship Method - Examples: Ground, SmartPost, Overnight
TD506	empty	empty
TD507	Location Qualifier	'ZZ' for Mutually Defined – Only set if TD508 is not empty
TD508	Location Identifier	Shipping Service Level Code Available service codes can be found in Appendix B at the end of this document.
TD4 - Signature Required Flag (Optional)		
TD401	Special Handling Code	'OTD' for Time of Delivery and Signature Required
TD402	empty	empty
TD403	empty	empty
TD404	Description	Is a signature required for delivery? signature_required_flag
TD405	Yes/No Condition or Response Code	'Y' for Yes 'N' for No
N9 - Customer Order Number (Optional)		
N901	Reference Identification Qualifier	'CO' for Customer Order Number - consumer_order_number within DSCO's schema
N902	Reference Identification	Customer order number - consumer_order_number within DSCO's schema. May be required by the retailer that this be printed on the packing slip.
N9 - Messages (Optional) – Only Included if an MTX segment will be included **		
N901	Reference Identification Qualifier	'L1' for order Letters or Notes
N902	Reference Identification	Additional Order Messages and Instructions.
MTX – Marketing Message (Optional)		
MTX01	Note Reference Code	'MKN' for Marketing Notes
MTX02	Text	Free-form text field for Marketing Message
MTX – Ship Instructions (Optional)		
MTX01	Note Reference Code	'LAB' for Ship/Label Instructions
MTX02	Text	Free-form text field for Shipping Instructions
MTX – Packing Instructions (Optional)		
MTX01	Note Reference Code	'PKG' for Packaging Instructions
MTX02	Text	Free-form text field for Packing Instructions
MTX – Packing Slip Message (Optional)		
MTX01	Note Reference Code	'OTH' for Packing Slip Message
MTX02	Text	Free-form text field for Packing Slip Message – To be included in the packing slip if the supplier is generating their own packing slip rather

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		than using the packing slip provided by DSCO.
MTX – Returns Message (Optional)		
MTX01	Note Reference Code	'GPL' for General Policy – general returns information
MTX02	Text	Free-form text field for Returns Message
MTX – Message (Optional)		
MTX01	Note Reference Code	'INT' for General Order Instructions (Message)
MTX02	Text	Free-form text field for Message – a general message/instructions to the supplier concerning your order.
MTX – Gift Message (Optional)		
MTX01	Note Reference Code	'EAJ' for Gift Message
MTX02	Text	Free-form text field for Gift Message
N1 – Gift-To Name (Optional)		
N101	Entity Identifier Code	'GIR' for Gift Recipient
N102	Name	Gift Recipient Name
N1 – Gift-From Name (Optional)		
N101	Entity Identifier Code	'BY' for Buying Party/Purchaser (Gift-From Name)
N102	Name	Gift-From Name
N1 – Ship-To Name (Mandatory)		
N101	Entity Identifier Code	'ST' for Ship-To Address
N102	Name	Customer name that should be displayed on the package address label and packing slip.
N2 – Ship To Company/Attention (Optional)		
N201	Company	Ship-To Company
N202	Attention	Ship-To Attention
N3 - Address Information (Mandatory)		
N301	Address Line 1 Information	First address line of Ship-To that should be displayed on the package address label and packing slip.
N302	Address Line 2 Information	Second address line of Ship-To that should be displayed on the package address label and packing slip.
N4 - Geographic Locations (Mandatory)		
N401	City Name	Ship-To City that should be displayed on the package address label and packing slip.
N402	State Code	Ship-To State that should be displayed on the package address label and packing slip.
N403	Postal Code	Ship-To Zip code excluding punctuation (hyphens) and blanks. Should be displayed on the package address label and packing slip.
N404	Country Code	Ship-To Country code. Should be displayed on the package address label and packing slip.
REF – Ship-To Store Number (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The ship-to-store-number provided by the retailer.
REF03	Description	'ship_store_number'
PER - Communications Contact (Optional)		
PER01	Contact Function Code	'OC' for Order Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number
PER04	Communication Number	10-digit phone number + up to 6-digit extension formatted as XXX-XXX-XXXX XXXXXX
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	Ship-to Email Address

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N1 – Bill-To Name (Optional) - Added 2018-01		
N101	Entity Identifier Code	'BT' for Bill-To Party
N102	Name	Bill-to Name
N2 – Bill-To Company/Attention (Optional) - Added 2018-01		
N201	Company	Bill-To Company If Bill-To Company is empty and Bill-To Attention is not, Bill-To Attention will be moved to N201
N202	Attention	Bill-To Attention
N3 – Bill-To Address Information (Optional) - Added 2018-01		
N301	Address Line 1 Information	First address line of the Bill-To
N302	Address Line 2 Information	Second address line of the Bill-To
N4 – Bill-To Geographic Locations (Optional) - Added 2018-01		
N401	City Name	Bill-To City that should be displayed
N402	State Code	Bill-To State that should be displayed
N403	Postal Code	Bill-To Zip code that should be displayed
N404	Country Code	Bill-To Country code that should be displayed
PER – Bill-To Communications Contact (Optional) - Added 2018-01		
PER01	Contact Function Code	'IC' for Information Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number
PER04	Communication Number	10-digit phone number + up to 6-digit extension formatted as XXX-XXX-XXXX XXXXXX
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	Bill-To Email Address
PO1 - Baseline Item Data (Mandatory)		
PO101	Assigned Identification	Line Number – If the retailer set a desired line-number, it will be included here. Otherwise, Dsco will assign the first line number to 1 and increment each additional line.
PO102	Unit Quantity Ordered	Quantity Orders – 1 or more
PO103	Unit or Basis for Measurement	'EA' for Each
PO104	Unit Price	The expected cost of the item being ordered. What the retailer expects the supplier to invoice them for this order. Max with format: 9999.99 Attention: The decimal place must be included.
PO105	empty	empty
PO106	Product ID Qualifier	'SK' for SKU
PO107	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required. If a SKU is not available you may duplicate the UPC or EAN to this field.
PO108	Product ID Qualifier	'UP' for UPC 'EN' for EAN 'MG' for Manufacturer's Part Number (MPN) 'BP' for Partner SKU 'EM' for Dsco Item ID 'PD' for Line Item Title 'CB' for Retailer Item Identifier 'DV' for Warehouse Location Code
PO109	Product ID	When the Qualifier is 'UP': Universal Product Code (UPC) When the Qualifier is 'EN': European Article Number (EAN) When the Qualifier is 'MG': Manufacturer's Part Number (MPN) When the Qualifier is 'BP': Partner SKU

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		When the Qualifier is 'EM': DSCO Item ID When the Qualifier is 'PD': Line Item Title When the Qualifier is 'CB': Retailer Item Identifier When the Qualifier is 'DV': Warehouse Location Code
PO110	Product ID Qualifier	Same as PO108
PO111	Product ID	Same as PO109
PO112	Product ID Qualifier	Same as PO108
PO113	Product ID	Same as PO109
PO114	Product ID Qualifier	Same as PO108
PO115	Product ID	Same as PO109
PO116	Product ID Qualifier	Same as PO108
PO117	Product ID	Same as PO109
PO118	Product ID Qualifier	Same as PO108
PO119	Product ID	Same as PO109
PO120	Product ID Qualifier	Same as PO108
PO121	Product ID	Same as PO109
LIN - Line-Item Identification (Optional)		
LIN01	Assigned ID	dsko_item_id - The internal DSCO identifier for this item. Will only be populated for exports from DSCO.
LIN02	Product ID Qualifier	'SK' for SKU - Empty if no SKU is available.
LIN03	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required. If a SKU is not available you may duplicate the UPC or EAN to this field.
LIN04	Product ID Qualifier	'UP' for UPC Qualifier - Empty if no UPC is available.
LIN05	Product ID	The Universal Product Code (UPC).
LIN06	Product ID Qualifier	'EN' for EAN Qualifier - Empty if no EAN is available.
LIN07	Product ID	The European Article Number (EAN).
LIN08	Product ID Qualifier	'MG' for Manufacturer's Part Number (MPN) Qualifier - Empty if no MPN is available.
LIN09	Product ID	The Manufacturer's Part Number (MPN).
LIN10	Product ID Qualifier	'IB' for International Standard Book Number (ISBN) Qualifier - Empty if no ISBN is available.
LIN11	Product ID	The International Standard Book Number (ISBN).
LIN12	Product ID Qualifier	'UK' for Global Trade Number (GTIN) Qualifier - Empty if no GTIN is available.
LIN13	Product ID	The Global Trade Item Number (GTIN).
LIN14	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no partner_sku is available.
LIN15	Product ID	Partner_sku - The partner_sku defined by the retailer when creating the order.
LIN16	Product ID Qualifier	'CL' for Mutually Defined - Empty if no line_item_color is available.
LIN17	Product ID	Line Item Color – the Color assigned by the retailer within their system to track and manage the item.
LIN18	Product ID Qualifier	'IZ' for Size code - Empty if no line_item_size is available.
LIN19	Product ID	Line Item Size – the size of the line item being ordered.
LIN20	Product ID Qualifier	'ZZ' for gift_flag - Empty if no line_item_gift_flag is available.
LIN21	Product ID	Line Item Gift Flag – whether the item is a gift or not.
LIN22	Product ID Qualifier	'ZZ' for Gift Receipt ID - Empty if no line_item_gift_receipt_id is available.
LIN23	Product ID	Line Item Gift Receipt ID – Gift Receipt ID for the order.
LIN24	Product ID Qualifier	'ZZ' for Receipt ID - Empty if no line_item_receipt_id is available.
LIN25	Product ID	Line Item Receipt ID – Receipt ID for the order.

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LIN26	Product ID Qualifier	'ZZ' for BOGO Flag - Empty if no line_item_bogo_flag is available.
LIN27	Product ID	Line Item BOGO Flag – whether the item is part of a BOGO purchase.
LIN28	Product ID Qualifier	'ZZ' for BOGO Instructions - Empty if no line_item_bogo_instructions is available.
LIN29	Product ID	Line Item BOGO Instructions – Instructions to include when the item is part of a BOGO purchase.
CTP - Line-Item Consumer Pricing Information (Optional)		
CTP01	Class of Trade Code	'GR' for General Retail
CTP02	Price Identifier Code	'PUR' for Retail Price
CTP03	Unit Price	Consumer Price of the line item (line_item_consumer_price). The price the customer paid for the item.
CTP - Line-Item Retail Pricing Information (Optional)		
CTP01	Class of Trade Code	'GR' for General Retail
CTP02	Price Identifier Code	'RTL' for Retail Price
CTP03	Unit Price	Actual retail price of the line item (line_item_retail_price). What the customer would normally pay for the item if it weren't on sale.
REF – Line-Item Retailer Item ID (Optional) - Added 2018-06		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Retailer Item Identifiers for this line-item.
REF03	Description	'line_item_retailer_item_id_x' (x can be 1 through 99)
REF – Line-Item Personalization (Optional) - Added 2018-01		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Personalization instructions for this line-item.
REF03	Description	'line_item_personalization'
REF – Line-Item Tax Percentage (Optional) - Added 2018-01		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Percentage of tax applied to the order.
REF03	Description	'line_item_tax_percentage_x' (x can be 1 through 99)
REF – Line-Item Tax Type Code (Optional) - Added 2018-01		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Type of tax applied to the order.
REF03	Description	'line_item_tax_type_code_x' (x can be 1 through 99)
REF – Line-Item Warehouse Retailer Code (Optional) - Added 2018-06		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Retailer Code for the given warehouse.
REF03	Description	'line_item_warehouse_retailer_code'
REF – Line-Item Warehouse DSCO ID (Optional) - Added 2018-06		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Retailer Code for the given warehouse.
REF03	Description	'line_item_warehouse_dsco_id'
SAC – Line-Item Shipping Surcharge Information (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D230' for Freight Surcharge
SAC03	empty	empty
SAC04	empty	empty
SAC05	Amount	Line item shipping surcharge amount – Implied Decimal – EDI Type N2
N9 – Line-Item Messages (Optional) – Only Included if an MTX segment will be included - Added 2018-01		
N901	Reference Identification Qualifier	'L1' for order Letters or Notes
N902	Reference Identification	Additional Order Messages and Instructions.

MTX – Line-Item Ship Instructions (Optional) - Added 2018-01		
MTX01	Note Reference Code	'INT' for Ship Instructions
MTX02	Text	Free-form text field for Line-Item Shipping Instructions
MTX – Line-Item Packing Instructions (Optional) - Added 2018-01		
MTX01	Note Reference Code	'PKG' for Packaging Instructions
MTX02	Text	Free-form text field for Line-Item Packing Instructions
MTX – Line-Item Returns Message (Optional) - Added 2018-01		
MTX01	Note Reference Code	'GPL' for General Policy – general returns information
MTX02	Text	Free-form text field for Line-Item Returns Message
MTX – Line-Item Message (Optional) - Added 2018-01		
MTX01	Note Reference Code	'LIN' for General Line Item Message (Line-Item Message)
MTX02	Text	Free-form text field for Message – a general message/instructions to the supplier concerning your order.
MTX – Line-Item Gift Message (Optional) - Added 2018-01		
MTX01	Note Reference Code	'EAI' for Gift Message
MTX02	Text	Free-form text field for Line-Item Gift Message
MTX – Line-Item Packing Slip Message (Optional) - Added 2018-01		
MTX01	Note Reference Code	'OTH' for Packing Slip Message
MTX02	Text	Free-form text field for Line-Item Packing Slip Message
N1 – Line-Item Gift-To Name (Optional) - Added 2018-01		
N101	Entity Identifier Code	'GIR' for Gift Recipient
N102	Name	Gift Recipient Name
N1 – Gift-From Name (Optional) - Added 2018-01		
N101	Entity Identifier Code	'BY' for Buying Party/Purchaser (Gift-From Name)
N102	Name	Gift-From Name
N1 – Line-Item Department (Optional) - Added 2018-06		
N101	Entity Identifier Code	'OH' for Other Department
N102	Name	Line-Item Department Name
N103	Identification Code Qualifier	ZZ
N104	Identification Code	Line-Item Department ID
N1 – Line-Item Merchandising Account (Optional) - Added 2018-06		
N101	Entity Identifier Code	'JF' for Buying Party/Purchaser
N102	Name	Line-Item Merchandising Account Name
N103	Identification Code Qualifier	ZZ
N104	Identification Code	Line-Item Merchandising Account ID
CTT - Transaction Totals (Mandatory)		
CTT01	Number of Line Items	Total number of line items in the transaction set.
SE - Transaction Set Trailer (Mandatory)		
SE01	Number of Included Segments	Number of segments in transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match value in ST02.

6.3 850 - 5010 Version 5010 Example

```

ISA*00*      *00*      *ZZ*DSCO      *ZZ*DSCO      *180221*1736*<*00501*000002073*0*T*>~
GS*PO*DSCO*DSCO*20180221*1736*000000005*X*005010~
ST*850*0005~
BEG*00*SA*2018-02-20_01**20180220~
CUR*BY*USD~
REF*IA*100545~
REF*ZZ*channel*channel~
REF*ZZ*0*test_flag~
REF*ZZ*1008732505*dsko_order_id~
REF*ZZ*created*dsko_order_status~
REF*ZZ*1000000001*dsko_retailer_id~
REF*ZZ*test_retailer*dsko_retailer_name~
REF*ZZ*1000005928*dsko_supplier_id~
REF*ZZ*20170210*dsko_supplier_name~
REF*ZZ*100545*dsko_trading_partner_id~
REF*ZZ*TRUE*dsko_trading_partner_name~
REF*ZZ*2018-02-20T23:54:16+00:00*dsko_create_date~
REF*ZZ*2018-02-20T23:56:03+00:00*dsko_last_update_date~
REF*ZZ*VISA*payment_card_type_1~
REF*ZZ*1234*payment_card_last_four_1~
REF*ZZ*DISC*payment_card_type_2~
REF*ZZ*5678*payment_card_last_four_2~
REF*ZZ*GIFT*payment_card_type_3~
REF*ZZ*6546*payment_card_last_four_3~
REF*ZZ*1.3*tax_percentage_1~
REF*ZZ*T1*tax_type_code_1~
REF*ZZ*3.1*tax_percentage_2~
REF*ZZ*T2*tax_type_code_2~
REF*ZZ*2.1*tax_percentage_3~
REF*ZZ*T3*tax_type_code_3~
REF*ZZ*10*coupon_amount_1~
REF*ZZ*6.2*coupon_percentage_1~
REF*ZZ*2.1*coupon_amount_2~
REF*ZZ*4.3*coupon_percentage_2~
REF*ZZ*5*coupon_amount_3~
REF*ZZ*1.1*coupon_percentage_3~
REF*ZZ*FedEx*dsko_ship_carrier~
REF*ZZ*Ground*dsko_ship_method~
REF*ZZ*123*ship_warehouse_code~
REF*ZZ*WEST1*ship_warehouse_retailer_code~
REF*ZZ*w12345789900496357*ship_warehouse_dsko_id~
SAC*C*D230***2111~
DTM*ACK*20180402*1100~
DTM*175*20180402*1100~
DTM*038*20180402*1100~
DTM*003*20180402*1100~
DTM*004*20180511*1100~
TD5*Z*ZZ*FedEx*ZZ*Ground~
TD4*OTD***Is a signature required for delivery?*Y~
N9*L1*001*Additional Order Messages and Instructions~
MTX*MKN*marketing_message~
MTX*LAB*ship_instructions~
MTX*PKG*packing_instructions~
MTX*OTH*packing_slip_message~
MTX*GPL*returns_message~

```

Dsco Dropship EDI Specification

MTX*INT*message~
MTX*EAJ*gift_message~
N1*GIR*gift_to_name~
N1*BY*gift_from_name~
N1*ST*asdf asdf~
N2*ship_company*ship_attention~
N3*ship_address_1*ship_address_2~
N4*city*IL*123456*US~
REF*ZZ*01*ship_store_number~
PER*OC**TE*801-123-1234*EM*travis@dsco.io~
N1*BT*bill_to_last_name~
N2*bill_to_attention*bill_to_company~
N3*bill_to_address_1*bill_to_address_2~
N4*bill_to_city*UT*123456*US~
PER*IC**TE*801-123-1234*EM*travis@dsco.io~
PO1*0001*1*EA*50.01**SK*SKU01*UP*122256777999*EN*1222567779990*MG*SKU01*BP*7216SKU01*EM*1027337051*PD*SKU01 is Ãmazing! SKU01 is awesome!*CB*1236789*Dv*wh01~
LIN*1027337051*SK*SKU01*UP*122256777999*EN*1222567779990*MG*SKU01*****BP*7216SKU01*CL*red*IZ*large*ZZ*1*ZZ*987*ZZ*123*ZZ*1*ZZ*line_item_bogo_instructions~
CTP*GR*PUR*65.99~
CTP*GR*RTL*99.99~
REF*ZZ*ABC*line_item_retailer_item_id_1~
REF*ZZ*DEF*line_item_retailer_item_id_2~
REF*ZZ*GHI*line_item_retailer_item_id_3~
REF*ZZ*fred*line_item_personalization~
REF*ZZ*c1*line_item_tax_type_code_1~
REF*ZZ*c2*line_item_tax_type_code_2~
REF*ZZ*c3*line_item_tax_type_code_3~
REF*ZZ*123456*line_item_warehouse_retailer_code~
REF*ZZ*654321*line_item_warehouse_dsco_id~
N9*L1*002*Additional Order Messages and Instructions~
MTX*INT*line_item_ship_instructions~
MTX*PKG*line_item_packing_instructions~
MTX*GPL*line_item_returns_message~
MTX*EAJ*A message for you~
N1*GIR*ned~
N1*BY*me~
N1*OH*Department Name*ZZ*123~
N1*JF*Merchandising Account*ZZ*123~
PO1*0002*1*EA*50.01**SK*SKU01*UP*122256777999*EN*1222567779990*MG*SKU01*BP*7216SKU01*EM*1027337051*PD*SKU01 is Ãmazing! SKU01 is awesome!*CB*12876956*Dv*wh02~
LIN*1027337051*SK*SKU01*UP*122256777999*EN*1222567779990*MG*SKU01*****BP*7216SKU01*CL*blue*IZ*small*ZZ*0*ZZ*654*ZZ*456*ZZ*0~
CTP*GR*PUR*99.99~
CTP*GR*RTL*99.99~
REF*ZZ*ABC*line_item_retailer_item_id_1~
REF*ZZ*DEF*line_item_retailer_item_id_2~
REF*ZZ*GHI*line_item_retailer_item_id_3~
REF*ZZ*john*line_item_personalization~
REF*ZZ*c1*line_item_tax_type_code_1~
REF*ZZ*c2*line_item_tax_type_code_2~
REF*ZZ*c3*line_item_tax_type_code_3~
REF*ZZ*123456*line_item_warehouse_retailer_code~
REF*ZZ*654321*line_item_warehouse_dsco_id~
N9*L1*002*Additional Order Messages and Instructions~
MTX*INT*line_item_ship_instructions~
MTX*PKG*line_item_packing_instructions~
MTX*GPL*line_item_returns_message~

Dsco Dropship EDI Specification

MTX*EAJ*happy birthday doc~
N1*GIR*doc~
N1*BY*you~
N1*OH*Department Name*ZZ*123~
N1*JF*Merchandising Account*ZZ*123~
PO1*0003*1*EA*50.01**SK*SKU01*UP*122256777999*EN*1222567779990*MG*SKU01*BP*7216SKU01*EM*1027337051*PD*SK
U01 is Ãmazing! SKU01 is awesome!*CB*55637856*D*V*wh03~
LIN*1027337051*SK*SKU01*UP*122256777999*EN*1222567779990*MG*SKU01*****BP*7216SKU01*CL*green*IZ*tiny*ZZ*1*ZZ
*321*ZZ*654*ZZ*1*ZZ*line_item_bogo_instructions~
CTP*GR*PUR*50.00~
CTP*GR*RTL*100.98~
REF*ZZ*ABC*line_item_retailer_item_id_1~
REF*ZZ*DEF*line_item_retailer_item_id_2~
REF*ZZ*GHI*line_item_retailer_item_id_3~
REF*ZZ*sally*line_item_personalization~
REF*ZZ*c1*line_item_tax_type_code_1~
REF*ZZ*c2*line_item_tax_type_code_2~
REF*ZZ*c3*line_item_tax_type_code_3~
REF*ZZ*123456*line_item_warehouse_retailer_code~
REF*ZZ*654321*line_item_warehouse_dsco_id~
N9*L1*002*Additional Order Messages and Instructions~
MTX*INT*line_item_ship_instructions~
MTX*PKG*line_item_packing_instructions~
MTX*GPL*line_item_returns_message~
MTX*EAJ*message for you~
N1*GIR*fido~
N1*BY*both of us~
N1*OH*Department Name*ZZ*123~
N1*JF*Merchandising Account*ZZ*123~
PO1*0004*1*EA*50.01**SK*SKU01*UP*122256777999*EN*1222567779990*MG*SKU01*BP*7216SKU01*EM*1027337051*PD*SK
U01 is Ãmazing! SKU01 is awesome!*CB*576483746*D*V*wh04~
LIN*1027337051*SK*SKU01*UP*122256777999*EN*1222567779990*MG*SKU01*****BP*7216SKU01*CL*yellow*IZ*XL*ZZ*0*ZZ*
741*ZZ*987*ZZ*0~
CTP*GR*PUR*99.99~
CTP*GR*RTL*99.98~
REF*ZZ*molly*line_item_personalization~
N9*L1*002*Additional Order Messages and Instructions~
MTX*INT*line_item_ship_instructions~
MTX*PKG*line_item_packing_instructions~
MTX*GPL*line_item_returns_message~
MTX*EAJ*message for you~
N1*GIR*fred~
N1*BY*mom and dad~
N1*OH*Department Name*ZZ*123~
N1*JF*Merchandising Account*ZZ*123~
CTT*13~
SE*150*0005~
GE*1*000000005~
IEA*1*000002073~

7.0 Purchase Order Acknowledgement - EDI 855

The Purchase Order Acknowledgement originates with the Supplier, is sent to DSCO and is then exported to the Retailer.

Purpose: To acknowledge new orders and to provide an Estimated Ship Date (ESD).

Frequency: Purchase Orders should be acknowledged daily at the very least although hourly is preferred.

7.1 855 Segment Hierarchy

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

ISA	Interchange Header
GS	Group Header

Header

ST	Transaction Set Header
BAK	Beginning Segment for Purchase Order Acknowledgement
CUR	Currency
REF	Internal Supplier Number
REF	Channel **
REF	Test Flag **
REF	DSCO Order ID **
REF	DSCO Order Status **
REF	DSCO Retailer Name **
REF	DSCO Retailer ID **
REF	DSCO Supplier Name **
REF	DSCO Supplier ID **
REF	DSCO Create Date **
REF	DSCO Last Update Date **
REF	DSCO Trading Partner ID **
REF	DSCO Trading Partner Name **
DTM	Cancel After Date/Time Reference
DTM	Retailer Order Create Date/Time Reference
TD5	Carrier/Shipment Details
N9	Consumer Order Number
N1	Name
N3	Address Information
N4	Geographic Location
PER	Communications Contact

Item Detail

PO1	Baseline Item Data
LIN	Line-item Identification - Not required for 855 imports but it will be included in 855 exports.
ACK	Line-item Acknowledgment

Trailer

SE	Transaction Set Trailer
----	-------------------------

GE	Group Trailer
IEA	Interchange Trailer

** Included in exports only. These are generated by the DSCO platform so suppliers do not need to include these segments.

7.2 855 Segment Specification

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

Element	Name	Comment
ST - Transaction Set Header (Mandatory)		
ST01	Transaction Set Identifier Code	'855'
ST02	Transaction Set Control Number	Unique number that is incremented by 1 for each transaction set sent. (Maximum of 9 digits)
BAK - Beginning Segment for Purchase Order Acknowledgment (Mandatory)		
BAK01	Transaction Set Purpose Code	'00' Original
BAK02	Purchase Order Type Code	'AD' for Acknowledge - With Detail/No Changes
BAK03	Purchase Order Number	Purchase Order Number
BAK04	Date	Date in format (CCYYMMDD)
CUR - Currency (Optional)		
CUR01	Entity Identifier Code	'BY' for Buying Party
CUR02	Currency Code	'USD'
REF - Internal Supplier Number (Optional)		
REF01	Reference Identification Qualifier	'IA' for Internal Supplier Number
REF02	Reference Identification	Trading Partner ID is used as the first priority, otherwise the DSCO Supplier ID will be utilized.
REF - Channel (Not used by Suppliers - Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Channel - Allows retailers to specify which of their channels this order was sourced from. For example, if the retailer has two eCommerce channels it is helpful if we know which channel each order came from so that DSCO can return shipment data to the appropriate channel via automated export.
REF03	Description	'channel'
REF - Test Flag (Optional for Retailers - Will be included in exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	When set to '1', the order will be designated as a "test" order. Retailers and Suppliers will be able to filter on this flag within the DSCO portal and Suppliers will be able to include these orders within their automated or manual Order exports by specifying that they want test orders to be included. When set to '0' or not provided in the feed, the order will be considered a "live" order.

DSCO Dropship EDI Specification

REF03	Description	'test_flag'
REF - DSCO Order Identifier (Not used by Suppliers - Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Order ID assigned by DSCO for the given order within DSCO.
REF03	Description	'dsko_order_id'
REF - DSCO Order Status (Not used by Suppliers - Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The status of the order assigned by DSCO. Possible values are: created, shipment pending, shipped, cancelled
REF03	Description	'dsko_order_status'
REF - DSCO Retailer Name (Not used by Suppliers - Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the given retailer within the DSCO platform.
REF03	Description	'dsko_retailer_name'
REF - DSCO Retailer Identifier (Not used by Suppliers - Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The DSCO retailer identifier of the given retailer within the DSCO platform.
REF03	Description	'dsko_retailer_id'
REF - DSCO Supplier Name (Not used by Suppliers - Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the supplier within the DSCO platform for this item.
REF03	Description	'dsko_supplier_name'
REF - DSCO Supplier ID (Not used by Suppliers - Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The supplier ID assigned by DSCO for this item.
REF03	Description	'dsko_supplier_id'
REF - DSCO Create Date (Not used by Suppliers - Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the order was originally created within DSCO. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsko_create_date'
REF - DSCO Last Update Date (Not used by Suppliers - Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the order was last updated in any way. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsko_last_update_date'
REF - DSCO Trading Partner Identifier (Not used by Suppliers - Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's DSCO account identifier of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsko_trading_partner_id'
REF - DSCO Trading Partner Name (Not used by Suppliers - Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's DSCO account name of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsko_trading_partner_name'
DTM - Cancel After Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'001' for Cancel After
DTM02	Date	Cancel-After Date in format CCYYMMDD

DSCO Dropship EDI Specification

DTM03	Time	Cancel-After Time in format HHMM
DTM - Retailer Order Create Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'004' for Purchase Order
DTM02	Date	Retailer Order Create Date in format CCYYMMDD
DTM03	Time	Retailer Order Create Time in format HHMM
TD5 - Carrier/Shipment Details (Mandatory)		
TD501	Qualifier	'Z' for Mutually Defined
TD502	Qualifier	'ZZ' for Mutually Defined
TD503	Code	Ship Carrier - Examples: FedEx, UPS, USPS
TD504	Qualifier	'ZZ' for Mutually Defined
TD505	Code	Ship Method - Examples: Ground, SmartPost, Overnight
TD506	empty	empty
TD507	Location Qualifier	'ZZ' for Mutually Defined
TD508	Location Identifier	Shipping Service Level Code Available service codes can be found in Appendix B at the end of this document.
N9 - Reference Identification (Optional)		
N901	Reference Identification Qualifier	'CO' for Customer Order Number - consumer_order_number within DSCO's schema
N902	Reference Identification	Customer order number - consumer_order_number within DSCO's schema. May be required by the retailer that this be printed on the packing slip.
N1 - Name (Optional)		
N101	Entity Identifier Code	'ST' for Ship-To
N102	Name	Customer name that should be displayed on the package address label and packing slip.
N3 - Address Information (Optional)		
N301	Address Information	First address line of Ship-To that should be displayed on the package address label and packing slip.
N302	Address Information	Second address line of Ship-To that should be displayed on the package address label and packing slip.
N4 - Geographic Locations (Optional)		
N401	City Name	Ship-To City that should be displayed on the package address label and packing slip.
N402	State Code	Ship-To State that should be displayed on the package address label and packing slip.
N403	Postal Code	Ship-To Zip code excluding punctuation (hyphens) and blanks. Should be displayed on the package address label and packing slip.
N404	Country Code	Ship-To Country code. Should be displayed on the package address label and packing slip.
PER - Communications Contact (Optional)		
PER01	Contact Function Code	'IC' for Individual Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number
PER04	Communication Number	10-digit phone number + up to 6-digit extension formatted as (XXX)XXX-XXXX XXXXXX
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	Ship-to Email Address
PO1 - Baseline Item Data (Mandatory)		
PO101	Assigned Identification	Line item number on the PO. Starts with 1 for the first line-item and then increments for each subsequent line-item.

DSCO Dropship EDI Specification

PO102	Quantity Ordered	1 or more
PO103	Unit or Basis for Measurement	'EA' for Each
PO104	Unit Price	The expected cost of the item being ordered. Max with format: 9999.99 Attention: The decimal place must be included.
PO105	empty	empty
PO106	Product ID Qualifier	'SK' for SKU
PO107	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required. If a SKU is not available you may duplicate the UPC or EAN to this field.
PO108	Product ID Qualifier	'UP' for UPC Qualifier - Empty if no UPC is available.
PO109	Product ID	The Universal Product Code (UPC).
PO110	Product ID Qualifier	'EN' for EAN Qualifier - Empty if no EAN is available.
PO111	Product ID	The European Article Number (EAN).
PO112	Product ID Qualifier	'MG' for Manufacturer's Part Number (MPN) Qualifier - Empty if no MPN is available.
PO113	Product ID	The Manufacturer's Part Number (MPN).
PO114	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no dsco_item_id is available.
PO115	Product ID	dsco_item_id - The item_id assigned by DSCO for the given SKU.
PO116	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no line_item_title is available.
PO117	Product ID	line_item_title - The title of the SKU being ordered. If the option to create unknown SKUs is enabled, this title will be used as the new SKUs title.
PO118	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no line_item_consumer_price is available.
PO119	Product ID	line_item_consumer_price - The price that the retailer charged their customer for the given SKU. Format: 9999.99
PO120	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no line_item_personalization is available.
PO121	Product ID	line_item_personalization - Instructions for personalization.
PO122	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no line_item_warehouse_code is available.
PO123	Product ID	line_item_warehouse_code - Used in conjunction with the new DSCO Catalog Object which allows for quantities to be specified for multiple warehouses. If the Retailer wishes for the Supplier to ship from a specific warehouse, that specific warehouse's warehouse code should be specified using this field. Since this is a line_item level field, each line_item_sku being ordered can specify a warehouse_code.
PO124	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no retailer_item_identifier is available.
PO125	Product ID	Retailer Item Identifier * If provided by the retailer, this will be used to determine the item being ordered in lieu of the SKU. Suppliers can ignore this as this is utilized only by the retailer to map their internal identifier to the given item.

LIN - Item Identification (Optional - Not required for 850 imports but will be included in 850 exports)

LIN01	Assigned ID	dsco_item_id - The internal DSCO identifier for this item. Will only be populated for exports from DSCO.
LIN02	Product ID Qualifier	'SK' for SKU

DSCO Dropship EDI Specification

LIN03	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required. If a SKU is not available you may duplicate the UPC or EAN to this field.
LIN04	Product ID Qualifier	'UP' for UPC Qualifier - Empty if no UPC is available.
LIN05	Product ID	The Universal Product Code (UPC).
LIN06	Product ID Qualifier	'EN' for EAN Qualifier - Empty if no EAN is available.
LIN07	Product ID	The European Article Number (EAN).
LIN08	Product ID Qualifier	'MG' for Manufacturer's Part Number (MPN) Qualifier - Empty if no MPN is available.
LIN09	Product ID	The Manufacturer's Part Number (MPN).
LIN10	Product ID Qualifier	'IB' for International Standard Book Number (ISBN) Qualifier - Empty if no ISBN is available.
LIN11	Product ID	The International Standard Book Number (ISBN).
LIN12	Product ID Qualifier	'UK' for Global Trade Number (GTIN) Qualifier - Empty if no GTIN is available
LIN13	Product ID	The Global Trade Item Number (GTIN).
LIN14	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no retailer_item_identifier is available.
LIN15	Product ID	Retailer Item Identifier * Suppliers can ignore this as this is utilized only by the retailer to map their internal identifier to the given item.
ACK - Line Item Acknowledgement (Mandatory)		
ACK01	Line Item Status Code	'IA' for Item Accepted 'IB' for Item Backordered - ACK04/ACK05 requested
ACK02	Quantity	Line Item Quantity from original Purchase Order or quantity being cancelled.
ACK03	Unit or Basis for Measurement Code	'EA' for Each
ACK04	Date/Time Qualifier	'369' for Estimated Departure Date
ACK05	Estimated Ship Date	Estimated Ship Date in format CCYYMMDD
ACK06	empty	empty
ACK07	Product ID Qualifier	'SK' for SKU
ACK08	Product ID	The SKU of the line item.
SE - Transaction Set Trailer (Mandatory)		
SE01	Number of Included Segments	Number of segments in transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match value in ST02.

7.3 855 Example

```

ISA*00*      *00*      *ZZ*ABCD      *ZZ*DSCO      *170124*0640*U*00401*000000001*0*P*>~
GS*PR*ABCD*DSCO*20170124*0640*1*X*004010VICS~
ST*855*0001~
BAK*00*AD*12345678*20171225~
CUR*BY*USD~
REF*IA*123456~
DTM*001*20171225*2340~
TD5*Z*ZZ*FedEx*ZZ*Ground**ZZ*FESP~
N9*CO*10007241899999~
N1*ST*John Smith~
N3*1234 E Main Street~
N4*City*UT*84003~
PER*IC**TE*801123456789*EM*fake@domain.com~
PO1*1*2*EA*14.40**SK*1111*UP*111111111111*EN*111111111111*MG*1111*ZZ*123456*ZZ*Title of Line
Item*ZZ*26.45*ZZ*Personalization instructions*ZZ*W01*ZZ*AAAA~
LIN*123456*SK*1111*UP*111111111111*EN*111111111111*MG*1111*IB*1111*UK*1111*ZZ*AAAA~
ACK*IB*2*EA*369*20171229**SK*1111~
SE*15*0001~
ST*855*0002~
BAK*00*AD*12345679*20171225~
CUR*BY*USD~
REF*IA*123456~
DTM*001*20171225*2340~
TD5*Z*ZZ*FedEx*ZZ*Ground**ZZ*FESP~
N9*CO*10007241899999~
N1*ST*Fake Name~
N3*456 N 200 S*Suite 2B~
N4*Nowhereville*UT*84003~
PER*IC**TE*978123456789*EM@email@fake.com~
PO1*1*2*EA*14.40**SK*1111*UP*111111111111*EN*111111111111*MG*1111*ZZ*123456*ZZ*Title of Line
Item*ZZ*26.45*ZZ*Personalization instructions*ZZ*W01*ZZ*AAAA~
LIN*123456*SK*1111*UP*111111111111*EN*111111111111*MG*1111*IB*1111*UK*1111*ZZ*AAAA~
ACK*IB*2*EA*369*20171229**SK*1111~
PO1*1*2*EA*14.40**SK*2222*UP*222222222222*EN*222222222222*MG*2222*ZZ*123456*ZZ*Title of Line
Item*ZZ*26.45*ZZ*Personalization instructions*ZZ*W01*ZZ*AAAA~
LIN*123470*SK*2222*UP*222222222222*EN*222222222222*MG*2222*IB*2222*UK*2222*ZZ*AAAA~
ACK*IA*2*EA***SK*1111~
SE*18*0002~
GE*2*1~
IEA*1*000000001~

```


8.0 Advanced Ship Notice - EDI 856

The Advanced Ship Notice (ASN or Ship Confirm) transaction originates with the Supplier, is sent to DSCO, and is then exported to the Retailer.

Purpose: To inform the customer of the tracking information they can use to track the progress of the order that has been shipped.

Frequency: Shipment information should be processed hourly. If hourly is not feasible, at least daily.

8.1 856 Segment Hierarchy

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

ISA	Interchange Header
GS	Group Header

Header

ST	Transaction Set Header
BSN	Beginning Segment for Ship Notice

Shipment Detail

HL	Shipment Hierarchical Level
TD5	Carrier Details
REF	Internal Supplier Number
REF	Package Tracking Number
REF	Package Warehouse Code - Added 2018-06
REF	Package Warehouse Retailer Code - Added 2018-06 **
REF	Package Warehouse DSCO ID - Added 2018-06 **
REF	DSCO Package ID **
MAN	Package SSCC-Barcode - Added 2018-06
DTM	Ship Date-Time
DTM	DSCO Actual Delivery Date-Time **
DTM	DSCO Actual Pickup Date-Time **
CUR	Currency

Order Detail

HL	Order Hierarchical Level
PRF	Purchase Order Reference
REF	Consumer Order Number
REF	Vendor's Order Number
REF	DSCO Order ID **
REF	DSCO Order Status **
REF	DSCO Retailer Name **
REF	DSCO Retailer ID **
REF	DSCO Supplier Name **
REF	DSCO Supplier ID **
REF	DSCO Order Create Date **

DSCO Dropship EDI Specification

REF	DSCO Last Update Date **
REF	DSCO Trading Partner ID **
REF	DSCO Trading Partner Name **
REF	DSCO Ship Carrier **
REF	DSCO Ship Method **
REF	DSCO Shipping Service Level Code **
REF	Retailer Ship Carrier **
REF	Retailer Ship Method **
REF	Retailer Shipping Service Level Code **
REF	DSCO Actual Ship Carrier **
REF	DSCO Actual Ship Method **
REF	DSCO Actual Shipping Service Level Code **
REF	DSCO Actual Ship Cost **
REF	DSCO Requested Ship Carrier **
REF	DSCO Requested Ship Method **
REF	DSCO Requested Shipping Service Level Code **
REF	DSCO Warehouse Code - Added 2018-06 **
REF	DSCO Warehouse Retailer Code - Added 2018-06 **
REF	DSCO Warehouse DSCO ID - Added 2018-06 **
REF	Ship Warehouse Code - Added 2018-06 **
REF	Ship Warehouse Retailer Code - Added 2018-06 **
REF	Ship Warehouse DSCO ID - Added 2018-06 **
REF	Requested Warehouse Code - Added 2018-06 **
REF	Requested Warehouse Retailer Code - Added 2018-06 **
REF	Requested Warehouse DSCO ID - Added 2018-06 **
DTM	Expected Delivery Date/Time Reference
DTM	Required Delivery Date/Time Reference
N1	Ship-To Name
N2	Ship-To Company/Attention
N3	Ship-To Address Information
N4	Ship-To Geographic Location
REF	Ship-To Store Number
PER	Ship-To Communications Contact

Line-Item Detail

HL	Item Hierarchical Level
LIN	Item Identification
SN1	Shipment Item Detail
SLN	Item Original Quantity
REF	Retailer Item ID 1 - X - Added 2018-06 **
REF	Warehouse Retailer Code **
REF	Warehouse DSCO ID **
N1	Department ID/Name - Added 2018-06 **
N1	Merchandising Account ID/Name - Added 2018-06 **

SAC Package Ship Cost

Trailer

CTT	Number of Line Items
SE	Transaction Set Trailer

GE	Group Trailer
IEA	Interchange Trailer

** Included in exports only.

8.2 856 Segment Specification

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

Element	Name	Comment
ST - Transaction Set Header (Mandatory)		
ST01	Transaction Set Identifier Code	'856'
ST02	Transaction Set Control Number	Unique number that is incremented by 1 for each transaction set sent. (Maximum of 9 digits)
BSN - Beginning Segment for Ship Notice (Mandatory)		
BSN01	Transaction Set Purpose Code	'00' Original
BSN02	Shipment Identification	Unique control number assigned by Supplier to identify a specific shipment
BSN03	Date	Date. Format: CCYYMMDD
BSN04	Time	Time. Format: HHMM
BSN05	Hierarchical Structure Code	0004 for Shipment, Order, Item
HL - Shipment Hierarchical Level (Mandatory)		
HL01	Hierarchical ID Number	'1'
HL02	Hierarchical Parent ID Number	'0'
HL03	Hierarchical Level Code	'S' for Shipment
TD5 - Carrier Details (Mandatory)		
TD501	Qualifier	'Z' for Mutually Defined
TD502	Qualifier	'ZZ' for Mutually Defined
TD503	Code	Ship Carrier - Examples: FedEx, UPS, USPS
TD504	Qualifier	'ZZ' for Mutually Defined
TD505	Code	Ship Method - Examples: Ground, SmartPost, Overnight
TD506	empty	empty
TD507	Location Qualifier	'ZZ' for Mutually Defined
TD508	Location Identifier	Shipping Service Level Code Available service codes can be found in Appendix B at the end of this document.
REF - Internal Supplier Number (Optional)		
REF01	Reference Identification Qualifier	'IA' for Internal Supplier Number
REF02	Reference Identification	Trading Partner ID is used as the first priority, otherwise the DSCO Supplier ID will be utilized.
REF - Package Tracking Number (Mandatory)		
REF01	Reference Qualifier	'CN' for Package Tracking Number
REF02	Reference Identification	Package Tracking Number
REF - Package Warehouse Code (Optional) - Added 2018-06		

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REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Package Warehouse Code
REF03	Description	'package_warehouse_code'
REF - Package Warehouse Retailer Code (Not used by Suppliers - Only included in Retailer Exports) - Added 2018-06 **		
REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Package Warehouse Retailer Code
REF03	Description	'package_warehouse_retailer_code'
REF - Package Warehouse DSCO ID (Not used by Suppliers - Only included in Retailer Exports - Added 2018-06 **		
REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Package Warehouse DSCO ID
REF03	Description	'package_warehouse_dsko_id'
REF - DSCO Package ID (Not used by Suppliers - Only included in Retailer Exports **		
REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Package ID assigned by DSCO for the given tracking or package within DSCO.
REF03	Description	'dsko_package_id'
MAN - Package SSCC Barcode (Required for ship-to-store orders) - Added 2018-06		
MAN01	Reference Qualifier	'GM' for SSCC-Barcode
MAN02	Reference Identification	SSCC-Barcode
DTM - Ship Date/Time (Mandatory)		
DTM01	Date/Time Qualifier	'011' for Shipped Date
DTM02	Date	Date Shipped in format CCYYMMDD
DTM03	Time	Time Shipped in format HHMM
DTM - DSCO Actual Delivery Date-Time (Not used by Suppliers - Only included in Retailer Exports) **		
DTM01	Date/Time Qualifier	'035' for Delivered
DTM02	Date	Date delivered as recorded by DSCO in format CCYYMMDD
DTM03	Time	Time delivered as recorded by DSCO in format HHMM
DTM - DSCO Actual Pickup Date-Time (Not used by Suppliers - Only included in Retailer Exports) **		
DTM01	Date/Time Qualifier	'370' for Departure
DTM02	Date	Date package was picked up from the supplier as recorded by DSCO in format CCYYMMDD
DTM03	Time	Time package was picked up from the supplier as recorded by DSCO in format HHMM
CUR - Currency (Optional)		
CUR01	Entity Identifier Code	'BY' for Buying Party
CUR02	Currency Code	'USD'
HL - Order Hierarchical Level (Mandatory)		
HL01	Hierarchical ID Number	A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. For example: '2'
HL02	Hierarchical Parent ID Number	Identification number of the next hierarchical data segment that the data segment being described is subordinate to. For example: '1' (Parent is the shipment hierarchy)
HL03	Hierarchical Level Code	'O' for Order
PRF - Purchase Order Reference (Mandatory)		
PRF01	Purchase Order Number	PO number (as found in the BEG segment of the 850 transaction)
REF - Consumer Order Number (Optional)		
REF01	Reference Identification Qualifier	'CO' for Consumer Order Number
REF02	Reference Identification	The Consumer Order Number (as sent in the N9 segment of the 850)
REF - Supplier Order Number (Optional)		

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REF01	Reference Identification Qualifier	'VN' for Supplier Order Number
REF02	Reference Identification	Supplier Order Number
REF - DSCO Order Identifier (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Order ID assigned by DSCO for the given order within DSCO.
REF03	Description	'dsko_order_id'
REF - DSCO Order Status (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The status of the order assigned by DSCO. Possible values are: created, shipment pending, shipped, cancelled
REF03	Description	'dsko_order_status'
REF - DSCO Retailer Name (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the given retailer within the DSCO platform.
REF03	Description	'dsko_retailer_name'
REF - DSCO Retailer Identifier (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The DSCO retailer identifier of the given retailer within the DSCO platform.
REF03	Description	'dsko_retailer_id'
REF - DSCO Supplier Name (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the supplier within the DSCO platform for this item.
REF03	Description	'dsko_supplier_name'
REF - DSCO Supplier ID (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The supplier ID assigned by DSCO for this item.
REF03	Description	'dsko_supplier_id'
REF - DSCO Order Create Date (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the order was originally created within DSCO. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsko_create_date'
REF - DSCO Last Update Date (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the order was last updated in any way. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsko_last_update_date'
REF - DSCO Trading Partner Identifier (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's DSCO account identifier of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsko_trading_partner_id'
REF - DSCO Trading Partner Name (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's DSCO account name of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsko_trading_partner_name'
REF - DSCO Ship Carrier (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined

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REF02	Reference Identification	The shipping carrier the supplier should ship the order with.
REF03	Description	'dsco_ship_carrier'
REF – DSCO Ship Method (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping method the supplier should ship the order.
REF03	Description	'dsco_ship_method'
REF – DSCO Shipping Service Level Code (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping service level code the supplier should ship the order at.
REF03	Description	'dsco_shipping_service_level_code'
REF – Retailer Ship Carrier (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping carrier requested by the retailer.
REF03	Description	'retailer_ship_carrier'
REF – Retailer Ship Method (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping method requested by the retailer.
REF03	Description	'retailer_ship_method'
REF – Retailer Shipping Service Level Code (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping service level requested by the retailer.
REF03	Description	'retailer_shipping_service_level_code'
REF – DSCO Actual Ship Carrier (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping carrier as recorded by DSCO when the order shipped.
REF03	Description	'dsco_actual_ship_carrier'
REF – DSCO Actual Ship Method (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping method as recorded by DSCO when the order shipped.
REF03	Description	'dsco_actual_ship_method'
REF – DSCO Actual Shipping Service Level Code (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping service level code as recorded by DSCO when the order shipped.
REF03	Description	'dsco_actual_shipping_service_level_code'
REF – DSCO Actual Ship Cost (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping cost as recorded by DSCO when the order shipped.
REF03	Description	'dsco_actual_ship_cost'
REF – DSCO Requested Ship Carrier (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The original ship_carrier requested when the order was created. Used by the retailer to compare how the supplier shipped the package compared to how the retailer requested it to be shipped.
REF03	Description	'dsco_requested_ship_carrier'
REF – DSCO Requested Ship Method (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The original ship_method requested when the order was created. Used by the retailer to compare how the supplier shipped the package compared to how the retailer requested it to be shipped.
REF03	Description	'dsco_requested_ship_method'

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REF – DSCO Requested Shipping Service Level Code (Optional) - Only included in exports **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The original shipping_service_level_code requested when the order was created. Used by the retailer to compare how the supplier shipped the package compared to how the retailer requested it to be shipped.
REF03	Description	'dsko_requested_shipping_service_level_code'
REF – DSCO Warehouse Code (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse code suggested by DSCO.
REF03	Description	'dsko_warehouse_code'
REF – DSCO Warehouse Retailer Code (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse retailer code suggested by DSCO.
REF03	Description	'dsko_warehouse_retailer_code'
REF – DSCO Warehouse DSCO ID (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse DSCO ID suggested by DSCO.
REF03	Description	'dsko_warehouse_dsko_id'
REF – Ship Warehouse Code (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse code the supplier should ship from.
REF03	Description	'ship_warehouse_code'
REF – Ship Warehouse Retailer Code (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse retailer code the supplier should ship from.
REF03	Description	'ship_warehouse_retailer_code'
REF – Ship Warehouse DSCO ID (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse DSCO ID the supplier should ship from.
REF03	Description	'ship_warehouse_dsko_id'
REF – Requested Warehouse Code (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The requested warehouse code.
REF03	Description	'requested_warehouse_code'
REF – Requested Warehouse Retailer Code (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The requested warehouse retailer code.
REF03	Description	'requested_warehouse_retailer_code'
REF – Requested Warehouse DSCO ID (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The requested warehouse DSCO ID.
REF03	Description	'requested_warehouse_dsko_id'
DTM - Retailer Expected Delivery Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'074' for Purchase Order – Requested for delivery (on/before this date).
DTM02	Date	Retailer expected delivery date in format CCYYMMDD
DTM03	Time	Retailer expected delivery time in format HHMM
DTM - Retailer Required Delivery Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'996' for Required Delivery – the order must be delivered ON this date (not before or after).

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DTM02	Date	Retailer required delivery date in format CCYYMMDD
DTM03	Time	Retailer required delivery time in format HHMM
N1 – Ship-To Name (Optional)		
N101	Entity Identifier Code	'ST' for Ship-To Address
N102	Name	Customer name that should be displayed on the package address label and packing slip.
N2 – Ship-To Company/Attention (Optional)		
N201	Company	Ship-To Company
N202	Attention	Ship-To Attention
N3 - Ship-To Address Information (Optional)		
N301	Address Line 1 Information	First address line of Ship-To that should be displayed on the package address label and packing slip.
N302	Address Line 2 Information	Second address line of Ship-To that should be displayed on the package address label and packing slip.
N4 - Ship-To Geographic Locations (Optional)		
N401	City Name	Ship-To City that should be displayed on the package address label and packing slip.
N402	State Code	Ship-To State that should be displayed on the package address label and packing slip.
N403	Postal Code	Ship-To Zip code excluding punctuation (hyphens) and blanks. Should be displayed on the package address label and packing slip.
N404	Country Code	Ship-To Country code. Should be displayed on the package address label and packing slip.
REF – Ship-To Store Number (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The ship-to-store-number provided by the retailer.
REF03	Description	'ship_store_number'
PER - Ship-To Communications Contact (Optional)		
PER01	Contact Function Code	'OC' for Order Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number
PER04	Communication Number	10-digit phone number + up to 6-digit extension formatted as (XXX-)XXX-XXXX XXXXXX
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	Ship-to Email Address
HL - Item Hierarchical Level (Mandatory)		
HL01	Hierarchical ID Number	A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. For example: '3'
HL02	Hierarchical Parent ID Number	Identification number of the next hierarchical data segment that the data segment being described is subordinate to. For example: '2' (Parent in the order hierarchy)
HL03	Hierarchical Level Code	'I' for Item
LIN - Line-Item Identification (Mandatory)		
LIN01	Assigned ID	Line item number on the PO. Starts with 1 for the first line-item and then increments for each subsequent line-item. *Required when two or more line items with the same-SKU
LIN02	Product ID Qualifier	'SK' for SKU
LIN03	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is

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		required. If a SKU is not available you may duplicate the UPC or EAN to this field.
LIN04	Product ID Qualifier	'UP' for UPC 'EN' for EAN 'MG' for Manufacturer's Part Number (MPN) 'IB' for International Standard Book Number (ISBN) 'UK' for Global Trade Number (GTIN) 'BP' for Partner SKU 'CB' for Retailer Item Identifier 'EM' for DSCO Item ID
LIN05	Product ID	When the Qualifier is 'UP': Universal Product Code (UPC) When the Qualifier is 'EN': European Article Number (EAN) When the Qualifier is 'IB': International Standard Book Number (ISBN) When the Qualifier is 'UK': Global Trade Number (GTIN) When the Qualifier is 'BP': Partner SKU When the Qualifier is 'CB': Retailer Item Identifier When the Qualifier is 'EM': DSCO Item ID
LIN06	Product ID Qualifier	Same as LIN04
LIN07	Product ID	Same as LIN05
LIN08	Product ID Qualifier	Same as LIN04
LIN09	Product ID	Same as LIN05
LIN10	Product ID Qualifier	Same as LIN04
LIN11	Product ID	Same as LIN05
LIN12	Product ID Qualifier	Same as LIN04
LIN13	Product ID	Same as LIN05
LIN14	Product ID Qualifier	Same as LIN04
LIN15	Product ID	Same as LIN05
LIN16	Product ID Qualifier	Same as LIN04
LIN17	Product ID	Same as LIN05
SN1 - Shipment Item Detail (Mandatory)		
SN101	empty	empty
SN102	Number of Unit Shipped	Number of units shipped
SN103	Unit or Basis for Measurement	'EA' for Each
SLN - Line-Item Original Quantity (Optional)		
SLN01-SLN02	empty	empty
SLN03	Relationship Code	'O' = Information Only
SLN04	Quantity	'line_item_original_quantity'
REF - Line-Item Retailer Item ID (Optional) - Only included in exports - Added 2018-01 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Retailer Item Identifiers for this line-item.
REF03	Description	'line_item_retailer_item_id_x' (x can be 1 through 99)
REF - Line-Item Warehouse Retailer Code (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Retailer Code for the given warehouse.
REF03	Description	'line_item_warehouse_retailer_code'
REF - Line-Item Warehouse DSCO ID (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Retailer Code for the given warehouse.
REF03	Description	'line_item_warehouse_dsko_id'
N1 - Line-Item Department (Optional) - Only included in exports - Added 2018-06 **		

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N101	Entity Identifier Code	'OH' for Other Department
N102	Name	Line-Item Department Name
N103	Identification Code Qualifier	ZZ
N104	Identification Code	Line-Item Department ID
N1 – Line-Item Merchandising Account (Optional) - Only included in exports - Added 2018-06 **		
N101	Entity Identifier Code	'JF' for Buying Party/Purchaser
N102	Name	Line-Item Merchandising Account Name
N103	Identification Code Qualifier	ZZ
N104	Identification Code	Line-Item Merchandising Account ID
SAC - Package Ship Cost (Optional)		
SAC01	Allowance or Charge	'C' for Charge
SAC02	Charge Code	'G821' for Shipping
SAC03	empty	empty
SAC04	empty	empty
SAC05	Amount	Invoice Freight Amount Format: 999.99 Attention: The decimal place must be included.
CTT - Transaction Totals (Optional)		
CTT01	Number of Line Items	Total number of line items in the transaction set.
SE - Transaction Set Trailer (Mandatory)		
SE01	Number of Included Segments	Number of segments in transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match value in ST02.

8.3 856 Example

```

ISA*00*      *00*      *ZZ*ABCD      *ZZ*DSCO      *170124*0640*U*00401*000000001*0*P*>~
GS*SH*ABCD*DSCO*20170124*0640*1*X*004010VICS~
ST*856*0001~
BSN*00*0001*20171225*2350*0004~
HL*1*0*S~
TD5*Z*ZZ*UPS*ZZ*Ground**ZZ*U3DS~
REF*CN*1Z123456789012345~
REF*ZZ*123*package_warehouse_code~
REF*ZZ*123*package_warehouse_dsco_id~
MAN*GM*00123456789012345678~
DTM*011*20171225*2350~
CUR*BY*USD~
HL*2*1*O~
PRF*12345678~
REF*CO*123456789~
REF*VN*123456789~
HL*3*2*I~
LIN*0001*SK*1111*UP*111111111111*EN*111111111111*MG*1111*IB*1111*UK*1111*ZZ*AAAA*ZZ*123456~
SN1**1*EA~
SAC*C*G821***1221~
HL*4*0*S~
TD5*Z*ZZ*UPS*ZZ*Ground**ZZ*U3DS~
REF*CN*1Z123456789012399~
REF*ZZ*123*package_warehouse_code~
REF*ZZ*123*package_warehouse_dsco_id~
MAN*GM*00123456789012345678~
DTM*011*20171225*2350~
CUR*BY*USD~
HL*5*4*O~
PRF*12345679~
REF*CO*123456789~
REF*VN*123456789~
HL*6*5*I~
LIN*0001*SK*1111*UP*111111111111*EN*111111111111*MG*1111*IB*1111*UK*1111*ZZ*AAAA*ZZ*123456~
SN1**2*EA~
HL*7*5*I~
LIN*0002*SK*2222*UP*222222222222*EN*222222222222*MG*2222*IB*2222*UK*2222*ZZ*AAAA*ZZ*123456~
SN1**2*EA~
SAC*C*G821***1221~
SE*38*0001~
GE*1*1~
IEA*1*000000001~

```

9.0 Order Cancel - EDI 870

The Order Cancel transaction originates with the Supplier, is sent to DSCO, and is then exported to the Retailer.

Purpose: To inform the customer of order items that cannot be shipped/fulfilled and have been cancelled.

Frequency: Order Cancel information should be processed hourly. If hourly is not feasible, at least daily.

If any line-item is cancelled, it is expected that an 846 be sent that sets the item to out-of-stock status (quantity = 0).

9.1 870 Segment Hierarchy

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

ISA	Interchange Header
GS	Group Header

Header

ST	Transaction Set Header
BSR	Beginning Segment for Order Status Report

Detail - Order

HL	Order Hierarchical Level
PRF	Purchase Order Reference
REF	Internal Supplier Number
REF	Consumer Order Number
REF	Vendor's Order Number
REF	DSCO Order ID **
REF	DSCO Order Status **
REF	Order Cancel Reason
REF	DSCO Retailer Name **
REF	DSCO Retailer ID **
REF	DSCO Supplier Name **
REF	DSCO Supplier ID **
REF	DSCO Order Create Date **
REF	DSCO Last Update Date **
REF	DSCO Trading Partner ID **
REF	DSCO Trading Partner Name **

Detail - Line-Item

HL	Line-Item Hierarchical Level
PO1	Baseline Item Data
SLN	Item Original Order Quantity
REF	Retailer Item ID 1-X - Added 2018-06 **
N1	Department ID/Name - Added 2018-06 **
N1	Merchandising Account ID/Name - Added 2018-06 **
ISR	Item Status Report

Trailer

CTT	Number of Line Items
SE	Transaction Set Trailer

GE	Group Trailer
IEA	Interchange Trailer

** Included in exports only. These are generated by the DSCO platform so suppliers do not need to include these segments.

9.2 870 Segment Specification

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

Element	Name	Comment
ST - Transaction Set Header (Mandatory)		
ST01	Transaction Set Identifier Code	'870'
ST02	Transaction Set Control Number	Unique number that is incremented by 1 for each transaction set sent. (Maximum of 9 digits)
BSR - Beginning Segment for Order Status Report (Mandatory)		
BSR01	Status Report Code	'2' - Prearranged Schedule
BSR02	Order/Item Code	'PP' - Selected Orders - Selected Items
BSR03	Reference Identification	Vendor's reference number
BSR04	Date	Date (CCYYMMDD format)
HL - Order Hierarchical Level (Mandatory)		
HL01	Hierarchical ID Number	'1' for the first order then sequential for each subsequent HL segment.
HL02	Parent Hierarchical ID Number	'0'
HL03	Hierarchical Level Code	'O' for Order
PRF - Purchase Order Reference (Mandatory)		
PRF01	Purchase Order Number	PO Number
REF - Internal Supplier Number (Optional)		
REF01	Reference Identification Qualifier	'IA' Internal Supplier Number
REF02	Reference Identification	Trading Partner ID is used as the first priority, otherwise the DSCO supplier ID will be utilized
REF - Consumer Order Number (Optional)		
REF01	Reference Identification Qualifier	'CO' Consumer Order Number - consumer_order_number within DSCO's schema.
REF02	Reference Identification	Customer order number - consumer_order_number within DSCO's schema. This is the customer order number that was provided on the N9 segment in the original 850 (PO)
REF - Vendor Order Number (Optional)		
REF01	Reference Identification Qualifier	'VN' for Vendor Order Number
REF02	Reference Identification	Vendor's internal order number assigned to this Ship-To
REF - DSCO Order Identifier (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Order ID assigned by DSCO for the given order within DSCO.
REF03	Description	'dsko_order_id'

DSCO Dropship EDI Specification

REF - DSCO Order Status (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The status of the order assigned by DSCO. Possible values are: created, shipment pending, shipped, cancelled
REF03	Description	'dsko_order_status'
REF - Order Cancel Reason (Recommended)		
REF01	Reference Identification Qualifier	'TD' for Reason for Change
REF02	Reference Identification	The cancellation reason for the order assigned by the Supplier. For example: 'Out of stock'
REF03	Description	'order_cancel_reason'
REF - DSCO Retailer Name (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the given retailer within the DSCO platform.
REF03	Description	'dsko_retailer_name'
REF - DSCO Retailer Identifier (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The DSCO retailer identifier of the given retailer within the DSCO platform.
REF03	Description	'dsko_retailer_id'
REF - DSCO Supplier Name (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the supplier within the DSCO platform for this item.
REF03	Description	'dsko_supplier_name'
REF - DSCO Supplier ID (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The supplier ID assigned by DSCO for this item.
REF03	Description	'dsko_supplier_id'
REF - DSCO Create Date (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the order was originally created within DSCO. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsko_create_date'
REF - DSCO Last Update Date (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the order was last updated in any way. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsko_last_update_date'
REF - DSCO Trading Partner Identifier (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's DSCO account identifier of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsko_trading_partner_id'
REF - DSCO Trading Partner Name (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's DSCO account name of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsko_trading_partner_name'
HL - Line-Item Hierarchical Level (Mandatory)		
HL01	Hierarchical ID Number	'2'
HL02	Hierarchical Parent ID	'1' for the first order but then matching the parent HL Shipment

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		Hierarchical Parent ID Number for subsequent Item segments.
HL03	Hierarchical Level Code	'I' - Item
PO1 - Baseline Item Data (Mandatory)		
PO101	Assigned Identification	Line item number on the PO. Starts with 1 for the first line-item and then increments for each subsequent line-item.
PO102	Quantity	Quantity being cancelled.
PO103	Unit or Basis for Measurement	'EA' for Each
PO104	Unit Price	The expected cost of the item being ordered. Max with format: 9999.99 Attention: The decimal place must be included.
PO105	empty	empty
PO106	Product ID Qualifier	'SK' for SKU
PO107	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required. If a SKU is not available you may duplicate the UPC or EAN to this field.
PO108	Product ID Qualifier	'UP' for UPC 'EN' for EAN 'MG' for Manufacturer's Part Number (MPN) 'IB' for International Standard Book Number (ISBN) 'UK' for Global Trade Number (GTIN) 'BP' for Partner SKU 'CB' for Retailer Item Identifier 'EM' for DSCO Item ID
PO109	Product ID	When the Qualifier is 'UP': Universal Product Code (UPC) When the Qualifier is 'EN': European Article Number (EAN) When the Qualifier is 'IB': International Standard Book Number (ISBN) When the Qualifier is 'UK': Global Trade Number (GTIN) When the Qualifier is 'BP': Partner SKU When the Qualifier is 'CB': Retailer Item Identifier When the Qualifier is 'EM': DSCO Item ID
PO110	Product ID Qualifier	Same as LIN04
PO111	Product ID	Same as LIN05
PO112	Product ID Qualifier	Same as LIN04
PO113	Product ID	Same as LIN05
PO114	Product ID Qualifier	Same as LIN04
PO115	Product ID	Same as LIN05
PO116	Product ID Qualifier	Same as LIN04
PO117	Product ID	Same as LIN05
PO118	Product ID Qualifier	Same as LIN04
PO119	Product ID	Same as LIN05
SLN - Line-Item Original Quantity (Optional)		
SLN01-SLN02	empty	empty
SLN03	Relationship Code	'O' = Information Only
SLN04	Quantity	'line_item_original_order_quantity'
REF - Line-Item Retailer Item ID (Optional) - Only included in exports - Added 2018-01 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Retailer Item Identifiers for this line-item.
REF03	Description	'line_item_retailer_item_id_x' (x can be 1 through 99)
N1 - Line-Item Department (Optional) - Only included in exports - Added 2018-06 **		
N101	Entity Identifier Code	'OH' for Other Department

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N102	Name	Line-Item Department Name
N103	Identification Code Qualifier	ZZ
N104	Identification Code	Line-Item Department ID
N1 – Line-Item Merchandising Account (Optional) - Only included in exports - Added 2018-06 **		
N101	Entity Identifier Code	'JF' for Buying Party/Purchaser
N102	Name	Line-Item Merchandising Account Name
N103	Identification Code Qualifier	ZZ
N104	Identification Code	Line-Item Merchandising Account ID
ISR - Item Status Report (Mandatory)		
ISR01	Order Status Code	'IC' for Item Cancelled. This is the only acceptable code.
CTT - Transaction Totals (Optional)		
CTT01	Number of Line Items	Total number of line items in the transaction set.
SE - Transaction Set Trailer (Mandatory)		
SE01	Number of Included Segments	Number of segments in transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match value in ST02.

9.3 870 Example

```

ISA*00*      *00*      *ZZ*ABCD      *ZZ*DSCO      *170124*0640*U*00401*000000001*0*P*>~
GS*RS*ABCD*DSCO*20170124*0640*1*X*004010VICS~
ST*870*0001~
BSR*2*PP*000000001*20170116~
HL*1*0*O~
PRF*12345678~
REF*IA*123456~
REF*CO*123456789~
REF*VN*123456789~
HL*2*1*I~
PO1*1*1*EA*64.89**SK*1111*UP*111111111111*EN*111111111111*MG*1111*ZZ*123456*ZZ*out-of-stock*ZZ*AAAA~
ISR*IC~
HL*3*0*O~
PRF*12345679~
REF*CO*123456790~
REF*VN*123456790~
HL*4*3*I~
PO1*1*1*EA*64.89**SK*1111*UP*111111111111*EN*111111111111*MG*1111*ZZ*123456*ZZ*out-of-stock*ZZ*AAAA~
ISR*IC~
HL*5*4*I~
PO1*2*3*EA*50.00**SK*2222*UP*222222222222*EN*222222222221*MG*2222*ZZ*123477*ZZ*out-of-stock*ZZ*BBBB~
ISR*IC~
SE*21*0001~
GE*1*1~
IEA*1*000000001~

```

10.0 Invoice - EDI 810

The Invoice transaction originates with the Supplier, is sent to DSCO, and then is exported to the Retailer.

Purpose: To inform the Retailer of the cost to be paid to the Supplier for the given order.

Frequency: Invoice information should be processed hourly. If hourly is not feasible, at least daily.

It is up to the Retailer to determine whether the invoices should be transmitted for the cost of goods only or whether shipping and handling should be included. Suppliers, please check with your Retailers to ensure that you are invoicing properly, according to their needs. In cases where the Supplier is shipping on the Retailer's shipping account, no shipping or handling charges should be included on the invoice.

Payment terms are set between the Retailer and Supplier. DSCO does not determine or set the payment terms.

Information provided in this transaction must be based on the 850 file sent: purchase order number, line item number, consumer order number and supplier SKU.

It is the responsibility of the Retailer to contact the Supplier directly if there are any issues with the invoices that were created and delivered using DSCO.

10.1 810 Segment Hierarchy

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

ISA	Interchange Header
GS	Group Header

Header

ST	Transaction Set Header
BIG	Beginning Segment for Invoice
CUR	Currency
REF	Internal Supplier Number
REF	Seller's Invoice Number
REF	Invoice Seller ID
REF	Invoice Buyer ID
REF	Supplier Order Number
REF	Consumer Order Number
REF	External Batch ID
REF	Ship Tracking Number
REF	SSCC-Barcode - Added 2018-06
REF	Ship Carrier
REF	Ship Method
REF	Shipping Service Level Code
REF	Ship Transportation Method Code
REF	Ship Reference Number Qualifier

DscO Dropship EDI Specification

REF	DscO Package ID **
REF	Invoice Subtotal Excluding Line Items
REF	Invoice Line-Items Subtotal
REF	Invoice Charge Title 1-X (X can be 1-99)
REF	Invoice Charge Amount 1-X (X can be 1-99)
REF	DscO Expected Order Total Amount **
REF	DscO Expected Order Total Difference **
REF	DscO Invoice ID **
REF	DscO Order ID **
REF	DscO Invoice Status **
REF	DscO Retailer Name **
REF	DscO Retailer ID **
REF	DscO Supplier Name **
REF	DscO Supplier ID **
REF	DscO Invoice Create Date **
REF	DscO Invoice Last Update Date **
REF	DscO Trading Partner ID **
REF	DscO Trading Partner Name **
REF	DscO Warehouse Code - Added 2018-06 **
REF	DscO Warehouse Retailer Code - Added 2018-06 **
REF	DscO Warehouse DscO ID - Added 2018-06 **
REF	Requested Warehouse Code - Added 2018-06 **
REF	Requested Warehouse Retailer Code - Added 2018-06 **
REF	Requested Warehouse DscO ID - Added 2018-06 **
REF	Ship Warehouse Code - Added 2018-06 **
REF	Ship Warehouse Retailer Code - Added 2018-06 **
REF	Ship Warehouse DscO ID - Added 2018-06 **
N1	Ship-To Name
N2	Ship-To Company/Attention
N3	Ship-To Address
N4	Ship-To Geographic Locations
REF	Ship-To Store Number
PER	Ship-To Communications Contact
N1	Ship-From Name
N2	Ship-From Company/Attention
N3	Ship-From Address
N4	Ship-From Geographic Locations
REF	Ship-From Location Code
PER	Ship-From Communications Contact
ITD	Terms of Sale
DTM	Ship Date/Time Reference
DTM	DscO Original Order Retailer Create Date-Time **

Line-Item Detail

IT1	Baseline Item Detail
REF	Line-Item Extended Amount
REF	Line-Item Handling Amount
REF	Line-Item Ship Amount
REF	Line-Item Ship Tracking Number
REF	SSCC-Barcode - Added 2018-06
REF	Line-Item Ship Carrier

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REF	Line-Item Ship Method
REF	Line-Item Shipping Service Level Code
REF	Line-Item DSCO Package ID **
REF	Line-Item Promotion Reference
REF	Line-Item Promotion Amount
REF	Line-Item Tax Amount
REF	Line-Item Subtotal
REF	DSCO Expected Line-Item Amount **
REF	DSCO Expected Line-Item Difference **
REF	Line-Item Retailer Item ID 1-X (X can be 1-99) - Added 2018-06 **
REF	Line-Item Warehouse Code - Added 2018-06
REF	Line-Item Warehouse Retailer Code - Added 2018-06 **
REF	Line-Item Warehouse DSCO ID - Added 2018-06
REF	Line-Item Requested Warehouse Code - Added 2018-06 **
REF	Line-Item Requested Warehouse Retailer Code - Added 2018-06 **
REF	Line-Item Requested Warehouse DSCO ID - Added 2018-06 **
DTM	Line-Item Ship Date
SLN	Line-Item Original Order Quantity
REF	Line-Item Ship Weight
REF	Line-Item Ship Weight Units
N1	Line-Item Department ID/Name - Added 2018-06 **
N1	Line-Item Merchandising Account ID/Name - Added 2018-06 **

Summary

TDS	Total Monetary Value Summary
AMT	Handling Charge Amount
AMT	Sales Tax Amount
SAC	Invoice Freight Amount
ISS	Invoice Shipment Summary

Trailer

CTT	Transaction Set Totals
SE	Transaction Set Trailer

GE	Group Trailer
IEA	Interchange Trailer

** Included in exports only. These are generated by the DSCO platform so suppliers do not need to include these segments.

10.2 810 Segment Specification

Elements with an orange background are Mandatory.

Elements with a yellow background are Recommended.

Elements with a grey background are only found whenever DSCO exports that document and does not need to be included in any imports.

Element	Name	Comment
ST - Transaction Set Header (Mandatory)		
ST01	Transaction Set Identifier Code	'810'
ST02	Transaction Set Control Number	Unique number that is incremented by 1 for each transaction set sent. (Maximum of 9 digits)
BIG Segment - Beginning Segment for Invoice (Mandatory)		
BIG01	Invoice Date	Date invoice was generated. Format: CCYYMMDD Future dates are not valid. Should be the same as the shipment date.
BIG02	Invoice Number	Assigned by sender.
BIG03	PO Date	PO Date in format CCYYMMDD
BIG04	PO Number	PO Number
CUR - Currency (Optional)		
CUR01	Entity Identifier Code	'BY' for Buying Party
CUR02	Currency Code	'USD'
REF - Internal Supplier Number (Optional)		
REF01	Reference Number Qualifier	'IA' - Internal Supplier Number
REF02	Reference Number	Trading Partner ID is used as the first priority, otherwise the DSCO Supplier ID will be utilized.
REF - Seller's Invoice Number (Optional)		
REF01	Reference Number Qualifier	'IV' for Seller's Invoice Number
REF02	Reference Number	Vendor's Packing Slip Number, Picking Ticket Number or Control Number.
REF - Invoice Seller ID (Optional)		
REF01	Reference Number Qualifier	'VR' for Vendor ID
REF02	Reference Number	Account ID assigned by the retailer for the supplier in which the order was sent to.
REF03	Description	'invoice_seller_id'
REF - Invoice Buyer ID (Optional)		
REF01	Reference Number Qualifier	'YD' for Buyer Identification
REF02	Reference Number	Account ID assigned by the supplier for the retailer that sent the order.
REF03	Description	'invoice_buyer_id'
REF - Supplier Order Number (Optional)		
REF01	Reference Number Qualifier	'IL' for Internal Order Number
REF02	Reference Number	Unique order identifier as provided by the supplier.
REF03	Description	'supplier_order_number'
REF - Consumer Order Number (Optional)		

DSCO Dropship EDI Specification

REF01	Reference Number Qualifier	'CO' for Customer Order Number - consumer_order_number within DSCO's schema.
REF02	Reference Number	Customer order number - consumer_order_number within DSCO's schema.
REF - External Batch ID (Optional)		
REF01	Reference Number Qualifier	'ZZ' for Mutually Defined
REF02	Reference Number	Identifier of the batch that included this update. Usually the group number of an EDI transaction.
REF03	Description	'external_batch_id'
REF - Ship Tracking Number (Optional)		
REF01	Reference Qualifier	'CN' for Carrier's Tracking Number
REF02	Reference Identification	Ship Tracking Number
REF - Ship SSCC-Barcode (Optional) - Added 2018-06		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The SSCC-Barcode generated for the ship-to-store label.
REF03	Description	'ship_sccc_barcode'
REF - Ship Carrier (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The carrier that is shipping the package.
REF03	Description	'ship_carrier'
REF - Ship Method (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipment method that the package was shipped.
REF03	Description	'ship_method'
REF - Shipping Service Level Code (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Used in conjunction with ship_carrier and ship_method, this allows the retailer to pass their own code, or the code that the supplier is expecting, using a pre-defined code that is agreed to between the Supplier and Retailer. Available service codes can be found in Appendix B at the end of this document.
REF03	Description	'shipping_service_level_code'
REF - Ship Transportation Method Code (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The transportation method code assigned by the carrier for the shipped package. Possible values include: 'A' for Air, 'J' for Motor, 'R' for Rail, 'S' for Ocean/Ship
REF03	Description	'ship_transportation_method_code'
REF - Ship Reference Number Qualifier (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The reference number qualifier for this shipment. Possible values include: 'BM' for Bill of Lading Number, 'CN' for Carrier's Reference Number
REF03	Description	'ship_reference_number_qualifier'
REF - DSCO Package ID (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Package ID assigned by DSCO for the given tracking or package within DSCO.
REF03	Description	'dsco_package_id'

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REF - Invoice Subtotal Excluding Line Items (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The sum of invoice_handling_amount, invoice_freight_amount and invoice_sales_tax_amount. Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'invoice_subtotal_excluding_line_items'
REF - Invoice Line-items Subtotal (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The sum of all line_item_subtotal values. Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'invoice_line_items_subtotal'
REF - Invoice Charge Title (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Provide a short explanation of any extra charges that cannot be specified within other fields. This is an invoice level charge.
REF03	Description	'invoice_charge_title_x' (x can be 1 through 99)
REF - Invoice Charge Amount (Optional)		
REF01	Reference Identification Qualifier	'22' for Special Charge or Allowance Code
REF02	Reference Identification	The amount being charged for invoice_charge_title_x. Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'invoice_charge_amount_x' (x can be 1 through 99)
REF - Dsco Expected Order Total Amount (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The total amount that was calculated using information pulled from the Dsco order. Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'dsco_expected_order_total_amount'
REF - Dsco Expected Order Total Difference (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The difference between dsco_expected_order_total_amount and invoice_total_amount. This doesn't necessarily indicate a problem, only that we detected that there may be a difference between what Dsco thought the order total should be and what the supplier indicated the total was for this invoice. Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'dsco_expected_order_total_difference'
REF - Dsco Invoice Identifier (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Invoice ID assigned by Dsco for the given Invoice.
REF03	Description	'dsco_invoice_id'
REF - Dsco Order Identifier (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Order ID assigned by Dsco for the given order.
REF03	Description	'dsco_order_id'
REF - Dsco Invoice Status (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined

DSCO Dropship EDI Specification

REF02	Reference Identification	The status of the invoice assigned by DSCO.
REF03	Description	'dsco_invoice_status'
REF - DSCO Retailer Name (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the given retailer within the DSCO platform.
REF03	Description	'dsco_retailer_name'
REF - DSCO Retailer Identifier (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The DSCO retailer identifier of the given retailer within the DSCO platform.
REF03	Description	'dsco_retailer_id'
REF - DSCO Supplier Name (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the supplier within the DSCO platform for this item.
REF03	Description	'dsco_supplier_name'
REF - DSCO Supplier ID (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The supplier ID assigned by DSCO for this item.
REF03	Description	'dsco_supplier_id'
REF - DSCO Invoice Create Date (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the invoice was originally created within DSCO. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsco_invoice_create_date'
REF - DSCO Invoice Last Update Date (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the invoice was last updated in any way. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsco_invoice_last_update_date'
REF - DSCO Trading Partner Identifier (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's DSCO account identifier of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsco_trading_partner_id'
REF - DSCO Trading Partner Name (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's DSCO account name of the given SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsco_trading_partner_name'
REF - DSCO Warehouse Code (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse code suggested by DSCO.
REF03	Description	'dsco_warehouse_code'
REF - DSCO Warehouse Retailer Code (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse retailer code suggested by DSCO.
REF03	Description	'dsco_warehouse_retailer_code'
REF - DSCO Warehouse DSCO ID (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse DSCO ID suggested by DSCO.

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REF03	Description	'dsko_warehouse_dsko_id'
REF – Requested Warehouse Code (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The requested warehouse code.
REF03	Description	'requested_warehouse_code'
REF – Requested Warehouse Retailer Code (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The requested warehouse retailer code.
REF03	Description	'requested_warehouse_retailer_code'
REF – Requested Warehouse DSCO ID (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The requested warehouse DSCO ID.
REF03	Description	'requested_warehouse_dsko_id'
REF – Ship Warehouse Code (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse code the supplier should ship from.
REF03	Description	'ship_warehouse_code'
REF – Ship Warehouse Retailer Code (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse retailer code the supplier should ship from.
REF03	Description	'ship_warehouse_retailer_code'
REF – Ship Warehouse DSCO ID (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse DSCO ID the supplier should ship from.
REF03	Description	'ship_warehouse_dsko_id'
N1 - Ship-To Name (Optional)		
N101	Entity Identifier Code	'ST' for Ship-To
N102	Name	Customer name that should be displayed on the package address label and packing slip.
N2 - Ship-To Company/Attention (Optional)		
N201	Name	Ship-To Company
N202	Name	Ship-To Attention
N3 - Ship-To Address Information (Optional)		
N301	Address Information	First address line of Ship-To that should be displayed on the package address label and packing slip.
N302	Address Information	Second address line of Ship-To that should be displayed on the package address label and packing slip.
N4 - Ship-To Geographic Locations (Optional)		
N401	City Name	Ship-To City that should be displayed on the package address label and packing slip.
N402	State Code	Ship-To State that should be displayed on the package address label and packing slip.
N403	Postal Code	Ship-To Zip code excluding punctuation (hyphens) and blanks. Should be displayed on the package address label and packing slip.
N404	Country Code	Ship-To Country code. Should be displayed on the package address label and packing slip.
REF – Ship-To Store Number (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Store number to which the order was shipped.
REF03	Description	'ship_to_store_number'
PER - Ship-To Communications Contact (Optional)		

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PER01	Contact Function Code	'OC' for Order Contact
PER02	Name	Ship-To Name
PER03	Communication Number Qualifier	'TE' for Telephone
PER04	Communication Number	'ship_to_phone'
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	'ship_to_email'
N1 - Ship-From Name (Optional)		
N101	Entity Identifier Code	'SF' for Ship-From
N102	Name	Supplier name that is displayed on the package address label and packing slip.
N2 - Ship-From Company/Attention (Optional)		
N201	Name	Ship-From Company
N202	Name	Ship-From Attention
N3 - Ship- From Address Information (Optional)		
N301	Address Information	First address line of Ship-From that is displayed on the package address label and packing slip.
N302	Address Information	Second address line of Ship-From that is displayed on the package address label and packing slip.
N4 - Ship- From Geographic Locations (Optional)		
N401	City Name	Ship-From City that should be displayed on the package address label and packing slip.
N402	State Code	Ship-From State that is displayed on the package address label and packing slip.
N403	Postal Code	Ship-From Zip code excluding punctuation (hyphens) and blanks. As displayed on the package address label and packing slip.
N404	Country Code	Ship-From Country code. As displayed on the package address label and packing slip.
REF – Ship-From Location Code (Optional)		
REF01	Reference Identification Qualifier	'LU' for Location Number
REF02	Reference Identification	The location code from where the package was shipped.
REF03	Description	'ship_from_location_code'
PER - Ship-From Communications Contact (Optional)		
PER01	Contact Function Code	'IC' for Order Contact
PER02	Name	Ship-From Name
PER03	Communication Number Qualifier	'TE' for Telephone
PER04	Communication Number	'ship_from_phone'
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	'ship_from_email'
ITD - Terms of Sale (Mandatory) Payment Due Date or Days Due is required		
ITD01	Terms Type Code	'01' - Basic '02' - EOM (End of Month) '05' - Discount not applicable '08' - Basic discount offered '12' - 10 EOM (10 days after end of month)
ITD02	Terms Basis Date Code	'3' for Invoice Date
ITD03	Terms Discount Percent	Percentage of merchandise cost discounted if invoice is paid before the terms discount due date (ITD04).
ITD04	Terms Discount Due Date	Date payment is due to qualify for discount.
ITD05	Terms Discount Days Due	Number of days from the invoice date that discounted invoice is due.
ITD06	Terms Net Due Date	Date payment of invoice in full is due.
ITD07	Terms Net Days	Number of days until total invoice amount is due.

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ITD08	Terms Discount Amount	Dollar amount of invoice merchandise cost discounted if invoice is paid on or before Terms Discount Due Date (ITD04). Format: 999.99 Attention: The decimal place must be included.
ITD09-ITD12	empty	empty
ITD13	Day of Month	If using codes '02' or '12' in ITD01, this is the number of days after EOM the invoice is due
DTM - Ship Date/Time Reference (Optional)		
DTM01	Date/Time Qualifier	'011' for Shipped date
DTM02	Date	Shipped date. Format: CCYYMMDD
DTM03	Time	Time Shipped in format HHMM
DTM - DSCO Original Order Retailer Create Date-Time (Optional) - Only included on exports **		
DTM01	Date/Time Qualifier	'004' for Purchase Order
DTM02	Date	Date the order was originally created in the retailer's system. Format: CCYYMMDD
DTM03	Time	Time created in format HHMM
IT1 - Baseline Item Data (Mandatory)		
IT101	Assigned Identifier	Invoice line number *Required when two or more line items with the same-SKU
IT102	Quantity Invoiced	Units shipped per line item
IT103	Unit of Measurement Code	'EA' for Each
IT104	Unit Price - R 1/17	Price per unit. Format: 999.99 Attention: The decimal place must be included.
IT105	Basis of Unit Price	'QT' for Quoted (Default) 'LE' for Catalog Price per Each
IT106	Product ID Qualifier	'SK' for SKU
IT107	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required. If a SKU is not available you may duplicate the UPC or EAN to this field.
IT108	Product ID Qualifier	'UP' for UPC 'EN' for EAN 'MG' for Manufacturer's Part Number (MPN) 'IB' for International Standard Book Number (ISBN) 'UK' for Global Trade Number (GTIN) 'BP' for Partner SKU 'CB' for Retailer Item Identifier 'EM' for DSCO Item ID 'PD' for Line Item Title
IT109	Product ID	When the Qualifier is 'UP': Universal Product Code (UPC) When the Qualifier is 'EN': European Article Number (EAN) When the Qualifier is 'IB': International Standard Book Number (ISBN) When the Qualifier is 'UK': Global Trade Number (GTIN) When the Qualifier is 'BP': Partner SKU When the Qualifier is 'CB': Retailer Item Identifier When the Qualifier is 'EM': DSCO Item ID When the Qualifier is 'PD': Line Item Title
IT110	Product ID Qualifier	Same as IT108
IT111	Product ID	Same as IT109
IT112	Product ID Qualifier	Same as IT108

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IT113	Product ID	Same as IT109
IT114	Product ID Qualifier	Same as IT108
IT115	Product ID	Same as IT109
IT116	Product ID Qualifier	Same as IT108
IT117	Product ID	Same as IT109
IT118	Product ID Qualifier	Same as IT108
IT119	Product ID	Same as IT109
REF - Line-Item Extended Amount (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The amount of line_item_unit_price multiplied by line_item_quantity. Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'line_item_extended_amount'
REF - Line-Item Handling Amount (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The total amount being charged for handling charges for this specific line_item_sku. Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'line_item_handling_amount'
REF - Line-Item Ship Amount (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The total amount being charged for shipping for this specific line_item_sku. Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'line_item_ship_amount'
REF - Line-Item Ship Tracking Number (Optional)		
REF01	Reference Qualifier	'CN' for Shipment Tracking Number
REF02	Reference Identification	Shipment Tracking Number
REF - Line-Item SSCC-Barcode (Optional) - Added 2018-06		
REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The SSCC-Barcode generated for the item-level ship-to-store label.
REF03	Description	'line_item_sccc_barcode'
REF - Line-Item Ship Carrier (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The carrier that shipped the package that included this specific line_item_sku.
REF03	Description	'line_item_ship_carrier'
REF - Line-Item Ship Method (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping method used by the carrier to ship the package that included this specific line_item_sku.
REF03	Description	'line_item_ship_method'
REF - Line-Item Shipping Service Level Code (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Used in conjunction with line_item_ship_carrier and line_item_ship_method, this allows the supplier to provide a pre-defined shipping code that the retailer will recognize.
REF03	Description	'line_item_shipping_service_level_code'
REF - Line-Item DSCO Package ID (Not used by Suppliers - Only included in Retailer Exports) **		

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REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Package ID generated by DSCO to uniquely identify the shipment.
REF03	Description	'line_item_dSCO_package_id'
REF - Line-Item Promotion Reference (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	If the line_item_unit_price is discounted because of a promotion that the supplier is running, this field can be used to reference the promotion's title or description.
REF03	Description	'line_item_promotion_reference'
REF - Line-Item Promotion Amount (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The amount being discounted for each line_item_sku for the given line_item_promotion_reference. Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'line_item_promotion_amount'
REF - Line-Item Tax Amount (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The amount of tax being charged for this line_item_sku. Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'line_item_tax_amount'
REF - Line-Item Subtotal (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The total of the following fields: line_item_extended_amount line_item_handling_amount line_item_ship_amount line_item_promotion_amount line_item_tax_amount Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'line_item_subtotal'
REF - DSCO Expected Line-Item Amount (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The subtotal amount for the line-item data as calculated by DSCO. Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'dSCO_expected_line_item_amount'
REF - DSCO Expected Line-Item Difference (Not used by Suppliers - Only included in Retailer Exports) **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The difference between the dSCO_expected_line_item_amount and the line_item_subtotal. Format: 999.99 Attention: The decimal place must be included.
REF03	Description	'dSCO_expected_line_item_difference'
REF - Line-Item Retailer Item ID (Optional) - Only included in exports - Added 2018-01 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Retailer Item Identifiers for this line-item.
REF03	Description	'line_item_retailer_item_id_x' (x can be 1 through 99)

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REF – Line-Item Warehouse Code (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Supplier's code for the given warehouse.
REF03	Description	'line_item_warehouse_code'
REF – Line-Item Warehouse Retailer Code (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Retailer Code for the given warehouse.
REF03	Description	'line_item_warehouse_retailer_code'
REF – Line-Item Warehouse DSCO ID (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Retailer Code for the given warehouse.
REF03	Description	'line_item_warehouse_dsco_id'
REF – Line-Item Requested Warehouse Code (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The requested warehouse code.
REF03	Description	'line_item_requested_warehouse_code'
REF – Line-Item Requested Warehouse Retailer Code (Optional) - Only included on exports - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The requested warehouse retailer code.
REF03	Description	'line_item_requested_warehouse_retailer_code'
REF – Line-Item Requested Warehouse DSCO ID (Optional) - Added 2018-06 **		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The requested warehouse DSCO ID.
REF03	Description	'line_item_requested_warehouse_dsco_id'
DTM - Line-Item Ship Date (Optional)		
DTM01	Date/Time Qualifier	'011' for Shipped
DTM02	Date	Line Item Shipped date. Format: CCYYMMDD
DTM03	Time	Time Shipped in format HHMM
SLN - Line-Item Original Order Quantity (Optional)		
SLN01-SLN02	empty	empty
SLN03	Relationship Code	'O' = Information Only
SLN04	Quantity	'line_item_original_order_quantity'
REF – Line-Item Ship Weight (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Weight of the item shipped in the package.
REF03	Description	'line_item_ship_weight'
REF – Line-Item Ship Weight Units (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Unit of measurement for the weight of the item.
REF03	Description	'line_item_ship_weight_units'
N1 – Line-Item Department (Optional) - Only included in exports - Added 2018-06 **		
N101	Entity Identifier Code	'OH' for Other Department
N102	Name	Line-Item Department Name
N103	Identification Code Qualifier	ZZ
N104	Identification Code	Line-Item Department ID
N1 – Line-Item Merchandising Account (Optional) - Only included in exports - Added 2018-06 **		
N101	Entity Identifier Code	'JF' for Buying Party/Purchaser
N102	Name	Line-Item Merchandising Account Name
N103	Identification Code Qualifier	ZZ
N104	Identification Code	Line-Item Merchandising Account ID

TDS - Total Monetary Value Summary (Mandatory)		
TDS01	Total Invoice Amount	Total amount of the invoice plus all charges minus all allowances. Format: 999.99 Attention: The decimal place must be included.
TDS02	Amount Subject to Terms Discount	Total amount of invoice eligible for terms discount. Format: 999.99 Attention: The decimal place must be included.
AMT - Handling Charge Amount (Optional)		
AMT01	Amount Qualifier	'OH' for Handling Charges
AMT02	Amount	Handling Charge Amount in format: 999.99 Attention: The decimal place must be included.
AMT - Sales Tax Amount (Optional)		
AMT01	Amount Qualifier	'F7' for Sales Tax
AMT02	Amount	Sales Tax Amount in format: 999.99 Attention: The decimal place must be included.
SAC - Invoice Freight Amount (Optional)		
SAC01	Allowance or Charge	'C' for Charge
SAC02	Charge Code	'D240' for Freight
SAC03	empty	empty
SAC04	empty	empty
SAC05	Amount	Invoice Freight Amount in format: 9999.99 Attention: The decimal place must be included.
ISS - Invoice Shipment Summary (Optional)		
ISS01	Number of Units Shipped	Number of units shipped.
ISS02	Unit of Measurement Code	'CA' for Case (Carton) 'BX' for Box 'PK' for Package
ISS03	Weight	Total Weight of shipment.
ISS04	Unit of Measurement Code	'LB' for Pound 'OZ' for Ounce '50' for Actual Kilograms
CTT - Transaction Totals (Mandatory)		
CTT01	Number of Line Items	Number of line items in transaction set.
SE - Transaction Set Trailer (Mandatory)		
SE01	Number of Included Segments	Number of segments in transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match value in ST02.

10.3 810 Example

```

ISA*00*      *00*      *ZZ*ABCD      *ZZ*DSCO      *170124*0640*U*00401*000000001*0*P*>~
GS*IN*ABCD*DSCO*20170124*0640*1*X*004010VICS~
ST*810*0001~
BIG*20170124*12345678*20170124*12345678~
CUR*BY*USD~
REF*IA*123456~
REF*IV*123456~
REF*CO*12345678901234567890~
REF*CN*1Z123456789012345~
REF*ZZ*00123456789012345678*ship_sccc_barcode~
REF*ZZ*123456*ship_warehouse_code~

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REF*ZZ*987654*ship_warehouse_dsco_id~
REF*ZZ*UPS*ship_carrier~
REF*ZZ*Ground*ship_method~
REF*ZZ*U3DS*shipping_service_level_code~
REF*ZZ*J*ship_transportation_method_code~
REF*ZZ*CN*ship_reference_number_qualifier~
REF*ZZ*20.84*invoice_subtotal_excluding_line_items~
REF*ZZ*194.78*invoice_line_items_subtotal~
N1*ST*John Smith~
N3*1234 E Main Street~
N4*City*UT*84003*US~
N1*SF*Company Name~
N3*1234 E Main Street~
N4*City*UT*84003*US~
ITD*01*3*****45~
DTM*011*20171225*2350~
IT1*001*2*EA*86.97*QT*SK*1111*UP*111111111111*EN*111111111111*MG*1111*ZZ*123456*ZZ*Title of Line
Item*ZZ*AAAA~
REF*ZZ*173.94*line_item_extended_amount~
REF*ZZ*5.00*line_item_handling_amount~
REF*ZZ*12.67*line_item_ship_amount~
REF*CN*1Z123456789012345~
REF*ZZ*00123456789012345678*line_item_sccc_barcode~
REF*ZZ*123456*line_item_warehouse_code~
REF*ZZ*987654*line_item_warehouse_dsco_id~
REF*ZZ*UPS*line_item_ship_carrier~
REF*ZZ*Ground*line_item_ship_method~
REF*ZZ*U3DS*line_item_shipping_service_level_code~
REF*ZZ*Line Item Promotion Reference*line_item_promotion_reference~
REF*ZZ*45.00*line_item_promotion_amount~
REF*ZZ*3.17*line_item_tax_amount~
REF*ZZ*149.78*line_item_subtotal~
TDS*14978~
AMT*OH*5.00~
AMT*F7*3.17~
SAC*C*D240***1267~
ISS*2*PK*1.2*LB~
CTT*1~
SE*47*0001~
ST*810*0002~
BIG*20170124*12345679*20170124*12345679~
CUR*BY*USD~
REF*IA*123456~
REF*IV*123456~
REF*CO*12345678901234567891~
REF*CN*1Z123456789012345~
REF*ZZ*00123456789012345678*ship_sccc_barcode~
REF*ZZ*123456*ship_warehouse_code~
REF*ZZ*987654*ship_warehouse_dsco_id~
REF*ZZ*UPS*ship_carrier~
REF*ZZ*Ground*ship_method~
REF*ZZ*U3DS*shipping_service_level_code~
REF*ZZ*J*ship_transportation_method_code~
REF*ZZ*CN*ship_reference_number_qualifier~

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REF*ZZ*145.47*invoice_subtotal_excluding_line_items~
REF*ZZ*189.54*invoice_line_items_subtotal~
N1*ST*John Smith~
N3*1234 E Main Street~
N4*City*UT*84003*US~~
N1*SF*Company Name~
N3*1234 E Main Street~
N4*City*UT*84003*US~~
ITD*01*3*****45~
DTM*011*20171225*2350~
IT1*001*2*EA*86.97*QT*SK*1111*UP*111111111111*EN*111111111111*MG*1111*ZZ*123456*ZZ*Title of Line
Item*ZZ*AAAA~
REF*ZZ*173.94*line_item_extended_amount~
REF*ZZ*2.50*line_item_handling_amount~
REF*ZZ*13.00*line_item_ship_amount~
REF*CN*1Z123456789012345~
REF*ZZ*00123456789012345678*line_item_sccc_barcode~
REF*ZZ*123456*line_item_warehouse_code~
REF*ZZ*987654*line_item_warehouse_dsco_id~
REF*ZZ*UPS*line_item_ship_carrier~
REF*ZZ*Ground*line_item_ship_method~
REF*ZZ*U3DS*line_item_shipping_service_level_code~
REF*ZZ*3.17*line_item_tax_amount~
REF*ZZ*173.94*line_item_subtotal~
IT1*002*2*EA*50.00*QT*SK*2222*UP*222222222222*EN*2222222222221*MG*2222*ZZ*123477*ZZ*Title of Line
Item*ZZ*BBBB~
REF*ZZ*100.00*line_item_extended_amount~
REF*ZZ*2.50*line_item_handling_amount~
REF*ZZ*13.00*line_item_ship_amount~
REF*CN*1Z123456789012345~
REF*ZZ*00123456789012345678*line_item_sccc_barcode~
REF*ZZ*123456*line_item_warehouse_code~
REF*ZZ*987654*line_item_warehouse_dsco_id~
REF*ZZ*UPS*line_item_ship_carrier~
REF*ZZ*Ground*line_item_ship_method~
REF*ZZ*U3DS*line_item_shipping_service_level_code~
REF*ZZ*Line Item Promotion Reference*line_item_promotion_reference~
REF*ZZ*45.33*line_item_promotion_amount~
REF*ZZ*4.00*line_item_tax_amount~
REF*ZZ*293.44*line_item_subtotal~
TDS*29344~
AMT*OH*2.50~
AMT*F7*4.00~
SAC*C*D240***1300~
ISS*2*PK*5.0*LB~
CTT*2~
SE*60*0002~
GE*2*1~
IEA*1*000000001~

Appendix A - ISA, GS, GE and IEA

ISA - Interchange Header

ElementID	Element Number	Name	Length	Comment
ISA01	I01	Authorization Information Qualifier	2	'00' for No authorization information present.
ISA02	I02	Authorization Information	10	Not Used
ISA03	I03	Security Information Qualifier	2	'00' for No security information present.
ISA04	I04	Security Information	10	Not Used
ISA05	I05	Interchange ID Qualifier	2	'ZZ' for Mutually defined '01' for DUNS Number
ISA06	I06	Interchange Sender ID	15	Sender ID If sender is DSCO, then ID will be "DSCO" If sender is Vendor, the ID should be the Vendor's ISA ID number.
ISA07	I05	Interchange ID Qualifier	2	'ZZ' for Mutually defined
ISA08	I07	Interchange Receiver ID	15	Receiver's ID If receiver is DSCO, then ID should be "DSCO"
ISA09	I08	Date	6	Date envelope was generated. (YYMMDD)
ISA10	I09	Time	4	Time Envelope was generated. (HHMM)
ISA11 - 4010	I10	Interchange Standards Identifier	1	'U' for US. EDI Community of X12, TDCC, and UCS.
ISA11 - 5010	I10	Repeat Separator	1	'<'
ISA12	I11	Interchange Version ID	5	'00401' for 4010 and '00501' for 5010
ISA13	I12	Interchange Control Number	9	Sender assigned sequential number starting with 1 and incremented by 1 for each transmission.
ISA14	I13	Acknowledgment Requested	1	'0' for No Interchange Acknowledgment and '1' if requested.
ISA15	I14	Test Indicator	1	'P' for Production data 'T' for Test data
ISA16	I15	Sub-element Separator	1	'>'

GS - Group Header

ElementID	Element Number	Name	Length	Comment
GS01	479	Functional ID	2	Functional Identification Code
GS02	142	Application Sender's Code	2/15	Sender's ID.
GS03	124	Application Receiver's Code	2/15	Receiver's ID.
GS04	29	Data Interchange Date	8	Date Group was generated. (CCYYMMDD)
GS05	30	Data Interchange Time	4	Time Group was generated. (HHMM)
GS06	28	Data Interchange Control Number	1/9	Control number, starting with 1 incremented by 1 for each group generated.
GS07	455	Responsible Agency Code	1/2	'X' for Accredited Standards Committee X12.
GS08	480	Version	1/12	'004010VICS' for 4010 and '005010' for 5010

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GE - Group Trailer

ElementID	Element Number	Name	Length	Comment
GE01	97	Number of Included Transaction Sets	1/6	Number of ST segments within the group.
GE02	28	Data Interchange Control Number	2/9	Must match GS06.

IEA - Interchange Trailer

ElementID	Element Number	Name	Length	Comment
IEA01	116	Number of Included Groups	5	Number of GS segments within the transmission.
IEA02	112	Interchange Control Number	9	Must match ISA13.

Appendix B - DSCO Standard Shipping Codes

DSCO Standard Shipping Codes can be mapped to custom service codes within your DSCO account settings. Once mapped, DSCO will map from DSCO to your codes on exports and map to DSCO from your codes on import.

Carrier	Method	Service Code
FedEx	SameDay	FESD
FedEx	SameDay City	FSDC
FedEx	First Overnight	FEFO
FedEx	Priority Overnight	FEPO
FedEx	Standard Overnight	FESO
FedEx	2Day A.M.	F2DA
FedEx	2Day	FE2D
FedEx	Express Saver	FEES
FedEx	Ground	FECG
FedEx	Home Delivery	FEHD
FedEx	SmartPost	FESP
FedEx	International Priority	FEIP
FedEx	International Economy	FEIE
UPS	Next Day Air Early	UNAE
UPS	Next Day Air	UNDA
UPS	Next Day Air Saver	UNAS
UPS	2nd Day Air A.M.	U2AA
UPS	2nd Day Air	U2DA
UPS	3 Day Select	U3DS
UPS	Ground	UPCG
UPS	Standard	UPSS
UPS	Surepost	UPSP
UPS	Surepost Lightweight	USPL
UPS	Mail Innovations Domestic	UMID
USPS	Priority Mail Express	USPE
USPS	Priority Mail	USPM
USPS	First-Class Mail	USFC
USPS	Ground	USCG
Generic	Three Day	G3D
Generic	Ground	GCG
Generic	Express Saver	GCX
Generic	International	GIX
Generic	Next Day	GND
Generic	Priority	GNM

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Generic	1st Overnight	GON
Generic	Same Day	GSA
Generic	Saturday	GSD
Generic	Second Day	GSE