
Dsco Dropship EDI Specification

Version 2.3 ~ 2017-05-08

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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.

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** version.

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/FTP

Dsco supports EDI using SFTP and/or FTP. We prefer SFTP as it is more secure and it is possible that your trading partner may require that you use more secure connectivity options so please refer to their instructions when available.

Every Dsco account includes an SFTP/FTP 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/FTP server.

For those utilizing the standard Dsco SFTP/FTP 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 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
- 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.

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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 the 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)

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 with that best practice.

Dsco will generate a 997 for each transaction that we process. All 997 documents we generate will be deposited on our SFTP/FTP 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 use the "Contact Dsco Support" button at the top of the Dsco Support portal, <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 possible. To that end, Dsco recommends that all transactions be processed hourly. If hourly is not feasible, at least daily. Invoice data should be submitted within 24 hours of shipment.

2.3 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.

Syntax

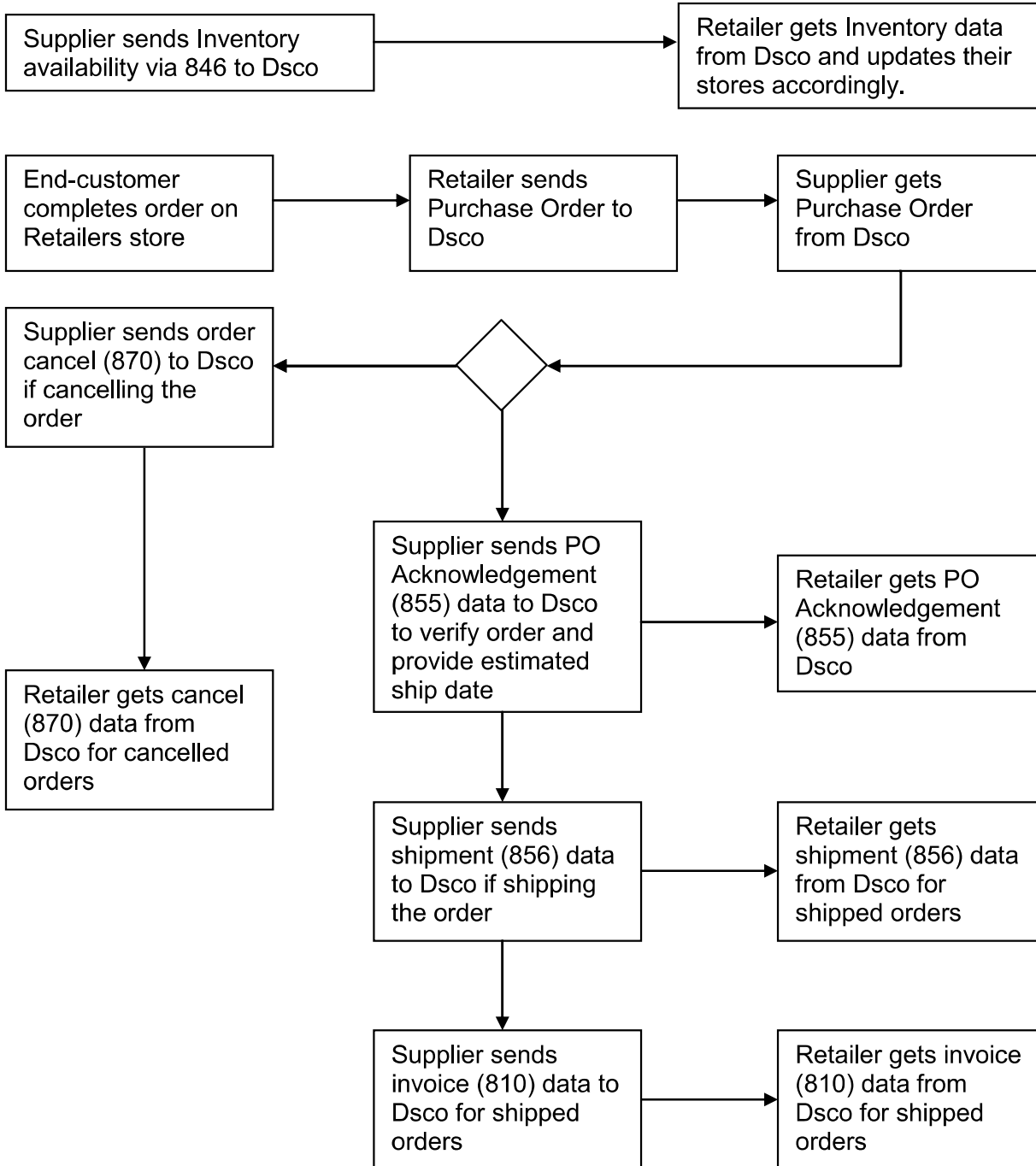
Dsco is committed to sending standard X12 VICS 4010 syntax and we expect to receive the same. Dsco keeps all automation history for all imports and exports for at least 60 days and it is the responsibility of the Dsco user to review the automation history for any errors and to address any notifications sent as a result of processing errors. If questions arise as to any issues or problems, please contact Dsco support at support@dsco.io.

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Quality of data

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

3.0 EDI Transaction Overview



EDI	Description	Path
846	<p>Inventory Sending a '56' 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 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.</p> <p>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.</p>	Supplier to Dsco to Retailer
N/A	<p>Product Copy & Images The supplier can upload product copy and images through batch automation or manually through the Dsco portal.</p>	Supplier to Dsco to Retailer
850	<p>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.</p>	Retailer to Dsco to Supplier
855	<p>Purchase Order Acknowledgement Purchase Order Acknowledgements are used to confirm that the supplier has successfully received the Purchase Order 855. They can also provide an Estimated Ship Date if available. Hourly is recommended and daily if hourly is not feasible.</p>	Supplier to Dsco to Retailer
856	<p>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.</p> <p>If an 856 is sent for items that were cancelled previously, Dsco will reject the invoice.</p>	Supplier to Dsco to Retailer
870	<p>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.</p> <p>If an 856 is sent AFTER an 870 has already been sent, Dsco will reject the shipment.</p>	Supplier to Dsco to Retailer
810	<p>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.</p> <p>If an 810 is sent for items that were cancelled previously, Dsco will reject the invoice.</p>	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 chose such as sending a stock quantity of 0 when 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 SCH02 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 a 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 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 Advice
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 a 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.

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 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.
LIN08	Product ID Qualifier	'MG' for Manufacturer's Part Number Qualifier
LIN09	Product ID	The Manufacturer Part Number (MPN).
LIN10	Product ID Qualifier	'IB' for International Standard Book Number (ISBN) Qualifier
LIN11	Product ID	The International Standard Book Number.
LIN12	Product ID Qualifier	'UK' for Global Trade Number (GTIN) Qualifier
LIN13	Product ID	The Global Trade Item Number.
LIN14	Product ID Qualifier	'BL' for Brand/Label
LIN15	Product ID	The Brand/Manufacturer
---	empty	empty
LIN30	Product ID Qualifier	'ZZ' for Mutually Defined – Retailer Item Identifier * Suppliers can ignore this as this is utilized only by the retailer to map their internal identifier to the given item.
LIN31	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.
PID – Product/Item Description (Optional)		
PID01	Item Description Code	'F' for Free-form
PID02	Product/Process Characteristic Code	'08' for Product Title
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)		

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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 thousands separators or currency signs are allowed.
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
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) **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)		
<p>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.</p> <p>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 a 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.</p>		
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, pending
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	'dsko_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	'dsko_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	'dsko_supplier_name'
REF – DSCO Supplier 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	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 time-stamp 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 time-stamp 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)		
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 time-stamp 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 time-stamp 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'
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) is out-of-stock but has a backorder of 80 due to arrive on 2/17/2017 and includes every possible segment that Dsco supports.
 The second SKU (2222) has 145 in stock.
 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~
PID*F*08***Fake title of SKU 1111~
CTP*AS*WHL*47.23~
QTY*33*47*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*47*EA~
N1*SE*Main Warehouse*ZZ*MW~
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*20120217~
N1*SE*Secondary Warehouse*ZZ*SW~
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*20120217~
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

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 Segment Hierarchy

Elements with an orange background are Mandatory.

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	Cancel After 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
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GE	Group Trailer
IEA	Interchange Trailer

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

5.2 850 Segment Specification

Elements with an orange background are Mandatory.

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
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 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

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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 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 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 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 time-stamp 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 time-stamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dSCO_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 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 Retailers – Only included in Supplier 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'
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	Retailer Create Date in format CCYYMMDD
DTM03	Time	Retailer Create 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 systems.
DTM02	Date	Retailer Create Date in format CCYYMMDD
DTM03	Time	Retailer Create Time in format HHMM

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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
		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.
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
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
PO105		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.

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PO111	Product ID	The European Article Number.
PO112	Product ID Qualifier	'MG' for Manufacturer's Part Number Qualifier
PO113	Product ID	The Manufacturer Part Number (MPN).
PO114	Product ID Qualifier	'ZZ' for Mutually Defined
PO115	Product ID	dsko_item_id - The item_id assigned by DSCO for the given SKU.
PO116	Product ID Qualifier	'ZZ' for Mutually Defined
PO117	Product ID	line_item_title - The title of the SKU being ordered. If the option to create unknown SKU's is enabled, this title will be used as the new SKU's title.
PO118	Product ID Qualifier	'ZZ' for Mutually Defined
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
PO121	Product ID	line_item_personalization - Instructions for personalization.
PO122	Product ID Qualifier	'ZZ' for Mutually Defined
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 – 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.
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 – Line-Item Identification (Optional – Not required for 850 imports but will be included in 850 exports)		
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 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.
LIN08	Product ID Qualifier	'MG' for Manufacturer's Part Number Qualifier
LIN09	Product ID	The Manufacturer Part Number (MPN).
LIN10	Product ID Qualifier	'IB' for International Standard Book Number (ISBN) Qualifier
LIN11	Product ID	The International Standard Book Number.
LIN12	Product ID Qualifier	'UK' for Global Trade Number (GTIN) Qualifier
LIN13	Product ID	The Global Trade Item Number.
LIN14	Product ID Qualifier	'ZZ' for Mutually Defined – Retailer Item Identifier * Suppliers can ignore this as this is utilized only by the retailer to map their internal identifier to the given item.
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 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~
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*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~
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~

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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~
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~
SE*27*0002~
GE*2*1~
IEA*1*000000001~

6.0 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.

6.1 855 Segment Hierarchy

Elements with an orange background are Mandatory.

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
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DscO Drop Ship EDI Specification

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.

6.2 855 Segment Specification

Elements with an orange background are Mandatory.

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)
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.
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	'dscO_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	'dscO_order_status'
REF – DscO Retailer Name (Not used by Suppliers – Only included in Retailer Exports)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined

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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 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 time-stamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dSCO_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 time-stamp 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'
DTM – Cancel After Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'001' for Cancel After
DTM02	Date	Cancel After Date in format CCYYMMDD
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
		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)		

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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.
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
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 XXXXX
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
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.
PO112	Product ID Qualifier	'MG' for Manufacturer's Part Number Qualifier
PO113	Product ID	The Manufacturer Part Number (MPN).
PO114	Product ID Qualifier	'ZZ' for Mutually Defined
PO115	Product ID	dSCO_item_id - The item_id assigned by DSCO for the given SKU.
PO116	Product ID Qualifier	'ZZ' for Mutually Defined
PO117	Product ID	line_item_title - The title of the SKU being ordered. If the option to create unknown SKU's is enabled, this title will be used as the new SKU's title.
PO118	Product ID Qualifier	'ZZ' for Mutually Defined
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

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PO121	Product ID	line_item_personalization - Instructions for personalization.
PO122	Product ID Qualifier	'ZZ' for Mutually Defined
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 – 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.
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
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.
LIN08	Product ID Qualifier	'MG' for Manufacturer's Part Number Qualifier
LIN09	Product ID	The Manufacturer Part Number (MPN).
LIN10	Product ID Qualifier	'IB' for International Standard Book Number (ISBN) Qualifier
LIN11	Product ID	The International Standard Book Number.
LIN12	Product ID Qualifier	'UK' for Global Trade Number (GTIN) Qualifier
LIN13	Product ID	The Global Trade Item Number.
LIN14	Product ID Qualifier	'ZZ' for Mutually Defined – Retailer Item Identifier * Suppliers can ignore this as this is utilized only by the retailer to map their internal identifier to the given item.
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
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.

6.3 855 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~

```

7.0 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.

7.1 856 Segment Hierarchy

Elements with an orange background are Mandatory.

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

Detail – Shipment

HL	Shipment Hierarchical Level
TD5	Carrier Details
REF	Internal Supplier Number
REF	Package Tracking Number
DTM	Ship Date-Time
CUR	Currency

Detail – Order

HL	Order Hierarchical Level
PRF	Purchase Order Reference
REF	Reference - Consumer Order Number
REF	Reference - 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 **
REF	Dsco Last Update Date **
REF	Dsco Trading Partner ID **
REF	Dsco Trading Partner Name **

Detail – Line-Item

HL	Item Hierarchical Level
LIN	Item Identification
SN1	Item Detail

SAC	Package Ship Cost
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Trailer

SE	Transaction Set Trailer
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DSCO Drop Ship EDI Specification

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.

7.2 856 Segment Specification

Elements with an orange background are Mandatory.

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'
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
		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
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
CUR – Currency (Optional)		
CUR01	Entity Identifier Code	'BY' for Buying Party
CUR02	Currency Code	'USD'
HL – Order Hierarchical Level (Mandatory)		
HL01	Hierarchical ID Number	'2'
HL02	Hierarchical Parent ID Number	'1' Parent is the shipment hierarchy
HL03	Hierarchical Level Code	'O' for Order

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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)		
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 time-stamp 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 time-stamp 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 retailers 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 retailers 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'
HL – Item Hierarchical Level (Mandatory)		
HL01	Hierarchical ID Number	'3' (If using Pack detail, this should be 4)
HL02	Hierarchical Parent ID Number	'2' – Parent in the order hierarchy.
HL03	Hierarchical Level Code	'I' for Item
LIN – Line-Item Identification (Mandatory)		
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
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.
LIN08	Product ID Qualifier	'MG' for Manufacturer's Part Number Qualifier
LIN09	Product ID	The Manufacturer Part Number (MPN).
LIN10	Product ID Qualifier	'IB' for International Standard Book Number (ISBN) Qualifier
LIN11	Product ID	The International Standard Book Number.
LIN12	Product ID Qualifier	'UK' for Global Trade Number (GTIN) Qualifier
LIN13	Product ID	The Global Trade Item Number.
LIN14	Product ID Qualifier	'ZZ' for Mutually Defined – Retailer Item Identifier * Suppliers can ignore this as this is utilized only by the retailer to map their internal identifier to the given item.
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.
SN1 – Shipment Item Detail (Mandatory)		
SN102	Number of Unit Shipped	Number of units shipped
SN103	Unit or Basis for Measurement	'EA' for Each
SAC – Package Ship Cost (Optional)		
SAC01	Allowance or Charge	'C' for Charge
SAC02	Charge Code	'G812' for Shipping
SAC03		Empty
SAC04		Empty
SAC05	Amount	Invoice Freight Amount in format: 9999.99
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.

7.3 856 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~
DTM*011*20171225*2350~
CUR*BY*USD~
HL*2*1*O~
PRF*12345678~
REF*CO*123456789~
REF*VN*123456789~
HL*3*2*I~
LIN*123456*SK*1111*UP*111111111111*EN*111111111111*MG*1111*IB*1111*UK*1111*ZZ*AAAA~
SN1**1*EA~
SAC*C*G821***12.21~
HL*4*0*S~
TD5*Z*ZZ*UPS*ZZ*Ground**ZZ*U3DS~
REF*CN*1Z123456789012399~
DTM*011*20171225*2350~
CUR*BY*USD~
HL*5*4*O~
PRF*12345679~
REF*CO*123456789~
REF*VN*123456789~
HL*6*5*I~
LIN*123456*SK*1111*UP*111111111111*EN*111111111111*MG*1111*IB*1111*UK*1111*ZZ*AAAA~
SN1**2*EA~
HL*7*5*I~
LIN*123477*SK*2222*UP*222222222222*EN*222222222222*MG*2222*IB*2222*UK*2222*ZZ*AAAA~
SN1**2*EA~
SAC*C*G821***12.21~
SE*32*0001~
GE*1*1~
IEA*1*000000001~
    
```

8.0 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).

8.1 870 Segment Hierarchy

Elements with an orange background are Mandatory.

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	Reference - Internal Supplier Number
REF	Reference - Consumer Order Number
REF	Reference - 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 **
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
ISR	Item Status Report

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.

8.2 870 Segment Specification

Elements with an orange background are Mandatory.

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.
HL01	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
REF02	Reference Identification	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	'dsco_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	'dsco_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	'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)		

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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 order was originally created within DSCO. ISO 8601 time-stamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dSCO_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 time-stamp 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'
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 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
PO105		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.
PO112	Product ID Qualifier	'MG' for Manufacturer's Part Number Qualifier
PO113	Product ID	The Manufacturer Part Number (MPN).
PO114	Product ID Qualifier	'ZZ' for Mutually Defined
PO115	Product ID	dSCO_item_id - The item_id assigned by DSCO for the given SKU.
PO116	Product ID Qualifier	'ZZ' for Mutually Defined
PO117	Product ID	line_item_cancel_reason - The reason the line_item has been cancelled. This could include reasons why the SKU was rejected, such as 'out-of-stock', 'restricted', 'duplicate' or it could indicate that the SKU is on backorder and will be shipped when new inventory is received.
PO118	Product ID Qualifier	'ZZ' for Mutually Defined – Retailer Item Identifier * If provided by the retailer, this will be used to determine the item

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		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.
PO119	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.
ISR – Item Status Report (Mandatory)		
ISR01	Order Status Code	'IC' for Item Canceled. This is the only acceptable code.
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.

8.3 870 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*00000001*20120116~
REF*IA*123456~
HL*1*0*O~
PRF*12345678~
REF*CO*123456789~
REF*VN*123456789~
HL*2*1*I~
PO1*123456*1*EA*64.89**SK*1111~
ISR*IC~
HL*3*0*O~
PRF*12345679~
REF*CO*123456789~
REF*VN*123456789~
HL*4*3*I~
PO1*123456*1*EA*64.89**SK*1111~
ISR*IC~
HL*5*3*I~
PO1*123477*1*EA*64.89**SK*2222~
ISR*IC~
SE*21*0001~
GE*1*1~
IEA*1*000000001~

9.0 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 that the retailer must pay 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 in 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.

9.1 810 Segment Hierarchy

Elements with an orange background are Mandatory.

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	Consumer Order Number
REF	Ship Tracking Number
REF	Ship Carrier
REF	Ship Method
REF	Shipping Service Level Code
REF	Ship Transportation Method Code
REF	Ship Reference Number Qualifier
REF	Invoice Subtotal Excluding Line Items
REF	Invoice Line-items Subtotal
REF	Dsco Expected Order Total Amount **
REF	Dsco Expected Order Total Difference **
REF	Dsco Invoice Identifier **
REF	Dsco Order Identifier **
REF	Dsco Invoice Status **
REF	Dsco Retailer Name **
REF	Dsco Retailer Identifier **
REF	Dsco Supplier Name **
REF	Dsco Supplier ID **

DSCO Drop Ship EDI Specification

REF	DSCO Invoice Create Date **
REF	DSCO Invoice Last Update Date **
REF	DSCO Trading Partner Identifier **
REF	DSCO Trading Partner Name **
N1	Ship-To Name
N3	Ship-To Address
N4	Ship-To Geographic Locations
N1	Ship-From Name
N3	Ship-From Address
N4	Ship-From Geographic Locations
ITD	Terms of Sale
DTM	Ship Date/Time Reference

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	Line-Item Ship Carrier
REF	Line-Item Ship Method
REF	Line-Item Shipping Service Level Code
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

Summary

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

Trailer

SE	Transaction Set Trailer
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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.

9.2 810 Segment Specification

Elements with an orange background are Mandatory.

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 - Seller's Invoice Number (Optional)		
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 – Ship Tracking Number (Optional)		
REF01	Reference Qualifier	'CN' for Carrier's Tracking Number
REF02	Reference Identification	Ship Tracking Number
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

DSCO Drop Ship EDI Specification

		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 – 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
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
REF03	Description	'invoice_line_items_subtotal'
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.
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.
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
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)		

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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 time-stamp 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 time-stamp 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 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'
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.
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.
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.
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

DSCO Drop Ship EDI Specification

		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.
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.
ITD08	Terms Discount Amount	Dollar amount of invoice merchandise cost discounted if invoice is paid on or before Terms Discount Due Date (ITD04).
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
IT1 - Baseline Item Data (Mandatory)		
IT101	Assigned Identifier	Invoice line number
IT102	Quantity Invoiced	Units shipped per line item
IT103	Unit of Measurement Code	'EA' for Each
IT104	Unit Price	Price per unit. Format: 999.99
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 Qualifier – Empty if no UPC is available
IT109	Product ID	The Universal Product Code (UPC).
IT110	Product ID Qualifier	'EN' for EAN Qualifier – Empty if no EAN is available.
IT111	Product ID	The European Article Number.
IT112	Product ID Qualifier	'MG' for Manufacturer's Part Number Qualifier
IT113	Product ID	The Manufacturer Part Number (MPN).
IT114	Product ID Qualifier	'ZZ' for Mutually Defined
IT115	Product ID	dsko_item_id - The item_id assigned by DSCO for the given SKU.
IT116	Product ID Qualifier	'ZZ' for Mutually Defined
IT117	Product ID	line_item_title - The title of the SKU being ordered. If the option to create unknown SKU's is enabled, this title will be used as the new SKU's title.
IT118	Product ID Qualifier	'ZZ' for Mutually Defined – 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.
IT119	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.

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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.
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.
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.
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 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 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.
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.
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
REF03	Description	'line_item_subtotal'

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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.
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.
REF03	Description	'dsco_expected_line_item_difference'
TDS - Total Monetary Value Summary (Mandatory)		
TDS01	Total Invoice Amount	Total amount of the invoice plus all charges minus all allowances. Format: 999.99
TDS02	Amount Subject to Terms Discount	Total amount of invoice eligible for terms discount. Format: 999.99
AMT – Handling Charge Amount (Optional)		
AMT01	Amount Qualifier	'OH' for Handling Charges
AMT02	Amount	Handling Charge Amount in format: 999.99
AMT – Sales Tax Amount (Optional)		
AMT01	Amount Qualifier	'F7' for Sales Tax
AMT02	Amount	Sales Tax Amount in format: 999.99
SAC – Invoice Freight Amount (Optional)		
SAC01	Allowance or Charge	'C' for Charge
SAC02	Charge Code	'D240' for Freight
SAC03		Empty
SAC04		Empty
SAC05	Amount	Invoice Freight Amount in format: 9999.99
ISS - Invoice Shipment Summary		
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.

9.3 810 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*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*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~
N1*SF*Company Name~
N3*1234 E Main Street~
N4*City*UT*84003~
ITD*01*3*****45~
DTM*011*20171225*2350~
IT1*123456*2*EA*86.97*QT*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~
REF*ZZ*156.21*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*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*3.17*line_item_tax_amount~
REF*ZZ*187.54*line_item_subtotal~
TDS*194.24*184.12~
AMT*OH*58.65~
AMT*F7*9.63~
SAC*C*G821***12.21~
ISS*1*PK*1.2*LB~
CTT*1~
SE*40*0001~
ST*810*0002~
BIG*20170124*12345679*20170124*12345679~
CUR*BY*USD~
REF*IA*123456~
REF*IV*123456~
REF*CO*12345678901234567890~
REF*CN*1Z123456789012345~

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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*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~
N1*SF*Company Name~
N3*1234 E Main Street~
N4*City*UT*84003~
ITD*01*3*****45~
DTM*011*20171225*2350~
IT1*123456*2*EA*86.97*QT*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~
REF*ZZ*156.21*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*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*3.17*line_item_tax_amount~
REF*ZZ*187.54*line_item_subtotal~
IT1*123477*2*EA*86.97*QT*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~
REF*ZZ*156.21*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*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*3.17*line_item_tax_amount~
REF*ZZ*187.54*line_item_subtotal~
TDS*194.24*184.12~
AMT*OH*58.65~
AMT*F7*9.63~
SAC*C*G821***12.21~
ISS*1*PK*1.2*LB~
CTT*2~
SE*52*0002~
GE*2*1~
IEA*1*000000001~

Appendix A – ISA, GS, GE and IEA

ISA – Interchange Header

Element ID	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	I10	Interchange Standards Identifier	1	'U' for US. EDI Community of X12, TDCC, and UCS.
ISA12	I11	Interchange Version ID	5	'00401'
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 'TA1' requested.
ISA15	I14	Test Indicator	1	'P' for Production data 'T' for Test data
ISA16	I15	Sub-element Separator	1	'>'

GS – Group Header

Element ID	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'

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GE – Group Trailer

Element ID	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

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