

Rithum 4010/5010 EDI Specifications

Version 4.3 | 2024-09-24

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Change History

Version	Date	Author	Comments
4.1.4	2022-10-07	L. Chan	Added - 810 TXI03 tax percent at Line and Summary level Added - Tax Type Code values
4.1.5	2022-11-1	L. Chan	Added - 810 TXI03 tax percent at Line and Summary level Added - Tax Type Code values
4.1.6	2022-12-6	C. Lauria	Added 850 header level REF*SU for business rule code
4.1.7	2023-02-6	C. Lauria	Added Tax Exempt number and Tax Registration Number to the 856 ASN: Ship From - REF01 = "TX", REF03 = Tax Exempt Number Ship From - REF01 = "GT", REF03 = Tax Registration Number
4.1.8	2023-08-23	K. Muckle	Updated 856 to include MAN*CP segment. Updated 5010 850 to correct TXI segment specifications.
4.1.9	2023-09-29	K. Muckle	Updated 5010 850 to include CSH segment.
4.2.0	2023-11-22	K. Muckle	Added MTX*DEL Line-item Cross-Dock Address Type to 5010 580 Added MTX*DEL Order Cross-Dock Address Type to 5010 850

4.2.1	2024-01-15	K. Muckle	5010 850 Updates: Cross-Dock Location Address, Name, Company, Attention, Address 1 and 2, City, Postal, Region, City Cross-Dock Location Customer Number Cross-Dock Location Communications Email, Phone, and Night Phone
4.2.2	2024-01-16	K. Muckle	5010 850 updated to include Cross-Dock Location Store Number and Line-item Cross-Dock Location Store Number
4.3	2024-03-04	K. Muckle	Updated EDI Examples for accuracy and clarity; moved export examples and 4010 850 spec to separate guide
4.3.1	2024-04-22	K. Muckle	Added new possible Order Type values to BEG02
4.3.2	2024-06-04	L.Chan	Added new PID Inventory Segment for marketplace details
4.3.3	2024-07-01	L.Chan	Update currency segment usage for inventory transactions.
4.3.4	2024-07-15	L.Chan	Added REF*ZZ elements for inventory warehouse future quantity values Added N1*ST specifications for 856
4.3.5	2024-08-15	L.Chan	Added to order: CTP*GR*NET for line item consumer price with tax Added to order: CTP*GR*STA for line item consumer price without tax
4.3.6	2024-09-24	L.Chan	Added additional MTX segment for order line_item_personalization Added additional REF for order line_item_commission_percentage

1.0 Introduction

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

supply to retail storefronts for drop ship and marketplace. This document outlines the EDI specifications for Suppliers using Rithum's Dsco platform. If you would like to view export specifications and examples for the Dsco EDI format, please contact our technical support team.

Both documentation on transmission protocols available for EDI, as well as additional instructions for setting up the automated jobs to process your EDI documents in your Dsco platform account, can be found at <http://support.dsco.io>.

2.0 General EDI Guidelines

Standard Version

Rithum supports EDI using the 004010VICS and 005010 versions for its Dsco platform depending on the document type. For example, Rithum provides support for many 850 schema fields within the 5010 version of the 850 document. Note that the 004010 version of our 850 specifications will not be updated for future system changes, so we urge you to use 005010 for your integration. For a copy of the 4010 specification for Rithum 850 Purchase Orders, please contact our technical support team.

Interchange ID

Rithum uses ZZ*DSCO as the Interchange ID and Qualifier. However, Rithum also allows you to customize the sender and receiver IDs within the automation configuration.

ISA Control Numbers

For incoming EDI transactions, Rithum does not require each transaction to have a unique ISA Control Number, but it is best practice to do so. Rithum's Dsco platform will not reject ISA Control Numbers that are not unique.

For outgoing EDI transactions, Suppliers provide an ISA Control Number that starts at 1 and that increments sequentially for each subsequent document. There are additional settings on your automated jobs in Dsco which can affect this.

Delimiters

Although Rithum allows you to configure the following parameters for each individual job, we do utilize the following default settings when they are not explicitly configured:

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

997 Acknowledgements

Rithum 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 you are welcome to comply. Suppliers generate a 997 for each transaction that we process if you have enabled this feature on your import job setting.

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.

2.1 Data Integrity

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

Processing History

Rithum keeps all detailed automation history for all imports and exports for at least 30 days, and it is the Dsco platform user's responsibility to review the automation history for any errors and address any notifications sent due to processing errors.

Quality of Data

The Dsco Order ID or Purchase Order number, Dsco Item ID or SKU, and Line-Item Line Number sent on the PO must be returned on the return transactions (870 Order Status, 856 Ship Notice, 855 PO Acknowledgement, and 810 Invoice) for the information to update properly within the Dsco platform. If any data is sent in a field, whether it is required by your retailer and Rithum or not, it will be validated for correct syntax and format.

Data Exports

For export of your drop ship or marketplace data, Rithum will provide additional data to your partner upon export request. While the data you provide on EDI sent to Rithum's Dsco platform will be included, data from your items, orders, and shipments will also be shared. In this way, Rithum's Dsco platform allows suppliers and retailers to obtain complete data sets without having to transmit that data in every transaction. If you have questions about data exported from the Dsco platform, contact our technical support team with SKU or Purchase Order Number information, and we will be glad to help answer them.

3.0 Inventory Advice – EDI 846

The Inventory Advice transaction originates with the Supplier, is sent to the Dsco platform, and then the Retailer can receive the transaction from Dsco with their integration method of choice (which may or may not be EDI).

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

Rithum recommends providing a valid quantity level (the quantity available in the Supplier's warehouse that can be shipped upon receipt of a Purchase Order) although any value above 0 means that the item is in-stock.

An inventory quantity that is > 0 means the item is in-stock and can be purchased.

The Supplier can implement any “safety net” algorithm they choose, such as sending a stock quantity of 0 when the item is not truly out-of-stock but rather in the critically low stock level. This level is determined by the Supplier.

Sending a ‘1’ or anything greater than ‘0’ in the QTY02 segment indicates that the Supplier has sufficient stock to fulfill orders. Sending a ‘0’ indicates that the vendor is either out-of-stock on the item or stock is low enough that the item may end up going on backorder.

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

The date of expected availability of the item.

-or-

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

Warehouse Quantities

The LS-REF loop provides the ability to provide warehouse specific quantities. The additional DTM segment within that loop also allows you to specify a future availability date for a specific quantity amount.

Rithum does not calculate the total quantity available based on the quantities provided for each warehouse. For the total quantity to be set on an item, an LIN and QTY segment must be provided in your 846. The sum of all warehouse quantities in your 846 must equal the total inventory quantity provided in the QTY segment of your 846, or the Dsco platform will reject your update for that item. If a Supplier only has one warehouse set up in their account, warehouse quantities are not required and will be inferred from total item quantities.

3.1 846 Segment Hierarchy

Elements with a green background are Mandatory.
Elements with a blue background are Recommended per best practice.
Elements with a white background are Optional but may be required by your trading partner.
Elements with a grey background are only found on data exports.

Header

ISA	Interchange Header
-----	--------------------

GS	Group Header
-----------	---------------------

Transaction

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

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

LIN	Item Identification
PID	Item Title
CTP	Item Cost
CUR	Currency
REF	Reference – Item Status
REF	Reference – Made-To-Order-Flag
REF	Reference – Warehouse_dsco_id_x
REF	Reference – Warehouse_quantity_on_order_x
REF	Reference – Warehouse_estimated_availability_date_x
QTY	Quantity
MEA	Measurements
SCH	Quantity-On-Order Schedule / Discontinue Flag
LS	Loop Header – Multiple loops for multiple warehouses
REF	Warehouse Location/Quantity
DTM	Warehouse Specific Quantity/Availability Date

LE	Loop Trailer
----	--------------

Trailer

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

GE	Group Trailer
IEA	Interchange Trailer

3.2 846 Segment Specification

Element	Name	Comment
GS - Functional Group Header (Mandatory)		
GS01	Functional Identifier Code	'IB' for Inventory Inquiry/Advice (846)
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	Header level CUR will apply to all items regardless of item level currency when used. 'USD'
REF - Internal Trading Partner Number (Optional)		
REF01	Reference Identification Qualifier	'IA' for Internal Trading Partner Number

REF02	Reference Identification	On exports, Trading Partner ID is used as first priority. Otherwise the Supplier's account ID will be utilized.
LIN - 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 'EN' for EAN 'MG' for Manufacturer's Part Number (MPN) 'IB' for International Standard Book Number (ISBN) 'UK' for Global Trade Number (GTIN) 'BL' for Brand/Label 'BP' for Partner SKU 'CB' for Retailer Item Identifier 'C3' - Department ID
LIN05	Product ID	<ul style="list-style-type: none"> When the qualifier is 'UP': Universal Product Code (UPC) When the qualifier is 'EN': European Article Number (EAN) When the qualifier is 'MG': Manufacturer's Part Number (MPN) When the qualifier is 'IB': International Standard Book Number (ISBN) When the qualifier is 'UK': Global Trade Item Number (GTIN) When the qualifier is 'BL': Brand/Manufacturer When the qualifier is 'BP': Your partner's SKU. This field can be used when you only work with one trading partner. When the qualifier is 'CB': Retailer Item Identifier - Was previously 'ZZ' (changed on 2018-06) When the qualifier is 'C3': Department ID
PID - Product/Item Description (Recommended)		
PID01	Item Description Code	'F' for Free-form
PID02	Process Characteristic	'08' for Product Title

	Code	
PID03 - PID04	empty	empty
PID05	Item Title	The title of the SKU.
PID - Product/Item Retail Model Details (Optional)		
PID01	Item Description Code	'X' for Semi-Structured Code
PID02	Process Characteristic Code	'08' for Product
PID03	Agency Qualifier Code	'ZZ' for custom code list
PID04	Product Description Code	When used both 'RETAIL_MODEL' and 'LIST_PRICE' are required as a pair. Custom Codes: 'RETAIL_MODEL' - Defines the business model 'LIST_PRICE' - Retail price of the product
PID05	Description	Description of the specified code. 'RETAIL_MODEL' accepted values are <ul style="list-style-type: none"> 'dropship' 'marketplace' 'wholesale' 'LIST_PRICE' accepted values are <ul style="list-style-type: none"> Format: 999.99 <i>Attention: The decimal place must be included.</i>
PID06	Position Code (optional)	'M1' Indicates multiple segments of the product description code exists in the current document 'A1' Indicates only 1 of the product description code exists in the current document
PID07	Source Subqualifier (conditional)	When PID04 = 'RETAIL_MODEL' can indicate the index of the description. Optional. When PID04 = 'LIST_PRICE' indicates the currency code. Required when 'LIST_PRICE' is used. <ul style="list-style-type: none"> Example: 'USD' or 'CAD'
DTM - Sales Start Date (Optional)		
DTM01	Date/Time Qualifier	'193' for Period Start
DTM02	Date	Sales Start Date (CCYYMMDD format)
DTM - Sales End Date (Optional)		

DTM01	Date/Time Qualifier	'194' for Period End
DTM02	Date	Sales End Date (CCYYMMDD format)
CTP - Item Cost (Recommended)		
CTP01	Class of Trade Code	'AS' for Seller
CTP02	Price Identifier Code	'WHL' for Wholesale
CTP03	Unit Price	The price of the SKU you are charging your retailers. When pricing tiers are used, this would be considered the default price. No thousand separators or currency signs are allowed. Format: 999.99 <i>Attention: The decimal place must be included.</i>
CTP - Sales Cost (Optional)		
CTP01	Class of Trade Code	'AS' for Seller
CTP02	Price Identifier Code	'UCP' for Unit Cost Price
CTP03	Unit Price	The sales cost of the SKU. No thousand separators or currency signs are allowed. Format: 999.99 <i>Attention: The decimal place must be included.</i>
CTP - Sales Price (Optional)		
CTP01	Class of Trade Code	'AS' for Seller
CTP02	Price Identifier Code	'DPR' for Discount Price
CTP03	Unit Price	The sales price of the SKU. No thousand separators or currency signs are allowed. Format: 999.99 <i>Attention: The decimal place must be included.</i>
CUR - Currency (Optional)		
CUR01	Entity Identifier Code	'SE' for Selling Party
CUR02	Currency Code	'USD'
REF - Item Status (Optional - If not provided Rithum will infer the status from the Quantity)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined

REF02	Reference Identification	The status of the given SKU. Possible Values are: 'in-stock,' 'out-of-stock,' 'discontinued,' 'hidden.' If 'in-stock' is provided the quantity available (QTY 02) must be greater than 0. If no status is available, the status will be inferred from the quantity available (QTY 02)
REF03	Description	'status'
REF - Made-To-Order-Flag (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Is the item made-to-order? '0' indicates that the item IS NOT a made-to-order item. '1' indicates that the item IS a made-to-order item.
REF03	Description	'made_to_order_flag'
REF - Warehouse_dsco_id_x (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	This is an ID generated by the platform when a warehouse is created within the platform.
REF03	Description	'warehouse_dsco_id_x' (x can be 1 through 99)
REF - Warehouse_quantity_on_order_x (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The quantity that has been ordered and is expected to be received in the future for this warehouse.
REF03	Description	'warehouse_quantity_on_order_x' (x can be 1 through 99)
REF - Warehouse_estimated_availability_date_x (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date the SKU will be in stock at this specific warehouse. This is the date that the shipment of warehouse_quantity_on_order_x quantities come into the warehouse. (CCYYMMDD format)

REF03	Description	'warehouse_estimated_availability_date_x' (x can be 1 through 99)
QTY - Quantity (Mandatory)		
QTY01	Quantity Qualifier	'33' for Quantity Available for Sale
QTY02	Quantity	Stock Quantity that is available for sale. If quantity is 0, the status should be out-of-stock.
QTY03	Composite Unit of Measure	'EA' for Each
MEA - Measurements (Optional)		
MEA01- MEA04	empty	empty
MEA05	Range Minimum	Minimum business days to ship
MEA06	Range Maximum	Maximum business days to ship
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 ** Required if sending Anticipated Availability Date
SCH02	Basis for Measurement Code	'EA' for Each
SCH03	empty	empty
SCH04	empty	empty
SCH05	Date/Time Qualifier	'018' for Anticipated Availability Date ** If sending the SCH05 segment then the SCH06 segment is also required
SCH06	Date	Anticipated Availability Date (CCYYMMDD format) **20391231 to indicate a SKU is discontinued
LS - Loop Header (Recommended) - One LS/LE loop per item		
LS01	Loop Identifier Code	'REF'
REF - Warehouse Location/Quantity (Recommended) - Each REF loop represents a Warehouse		
REF01	Reference Identification Qualifier	'WS' for Warehouse storage location number
REF02	Reference Identification	Warehouse Code
REF03	Description	Quantity on-hand within the specified warehouse. Integers only. * Values for all REF segments must total up to the QTY02 value.*
DTM - Warehouse Specific Availability Date (Optional)		
DTM01	Date/Time	'018' for Available

	Qualifier	
DTM02	Date	Anticipated Availability Date (CCYYMMDD format)
DTM03- DTM04	empty	empty
DTM05	Date Time Period Format Qualifier	'UN' for Unstructured
DTM06	Date Time Period	Quantity being manufactured/to be available by date specified above in DTM02. Integer Values Only.
LE - Loop Trailer (Recommended) - Must be included if a LS loop was started		
LE01	Loop Identifier Code	'REF'
SE - Transaction Set Trailer (Required)		
SE01	Number of Included Segments	Number of segments in the transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match the value in ST02.

3.3 846 Example Data

Sample 846 for Single Warehouse Supplier

IN-STOCK/NEW ITEMS

```

ISA*00*      *00*      *ZZ*ABCDEF      *ZZ*DSCO      *170124*0640*U*00401*00000001*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~
PID*F*08***Fake title of SKU 1111~
CTP*AS*WHL*47.23~
QTY*33*145*EA~
LIN**SK*2222*UP*222222222222*EN*222222222222~
PID*F*08***Fake title of SKU 2222~
CTP*AS*WHL*62.23~
QTY*33*100*EA~

```

SE*13*0001~

GE*1*1~

IEA*1*000000001~

Sample 846 for Multiple Warehouse Supplier

IN STOCK/NEW ITEMS

ISA*00* *00* *ZZ*ABCDEF *ZZ*DSCO *170124*0640*U*00401*000000001*0*P*>~

GS*IB*ABCDEF*DSCO*20170124*0640*1*X*004010~

ST*846*0001~

BIA*00*MM*1*20170124*064000~

REF*IA*123456~

LIN**SK*2222*UP*222222222222*EN*222222222222~

PID*F*08***Fake title of SKU 2222~

CTP*AS*WHL*62.23~

CUR*SE*USD~

REF*ZZ*WH01* warehouse_dsko_id_1

REF*ZZ*50* warehouse_quantity_on_order_1

REF*ZZ*20170215* warehouse_estimated_availability_date_1

REF*ZZ*WH02* warehouse_dsko_id_2

REF*ZZ*30* warehouse_quantity_on_order_2

REF*ZZ*20170320* warehouse_estimated_availability_date_2

QTY*33*100*EA~

SCH*100*EA***018*20300106~

LS*REF~

REF*WS*WH01*100~

LE*REF~

LIN**SK*3333*UP*333333333333*EN*333333333333~

PID*F*08***Fake title of SKU 3333~

CTP*AS*WHL*25.23~

CUR*SE*USD~

QTY*33*100*EA~

SCH*100*EA***018*20300106~

LS*REF~

REF*WS*WH01*100~

REF*WS*WH02*45~

LE*REF~

SE*39*0001~

GE*1*1~

IEA*1*000000001~

Sample 846 for Single Warehouse Marketplace Supplier

IN-STOCK/NEW ITEMS

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~

PID*F*08***Fake title of SKU 1111~

PID*X*08*ZZ*RETAIL_MODEL*marketplace*A1*0~

PID*X*08*ZZ*LIST_PRICE*109.99*M1*USD~

PID*X*08*ZZ*LIST_PRICE*119.99*M1*CAD~

CTP*AS*WHL*47.23~

QTY*33*145*EA~

LIN**SK*2222*UP*222222222222*EN*222222222222~

PID*F*08***Fake title of SKU 2222~

CTP*AS*WHL*62.23~

QTY*33*100*EA~

SE*16*0001~

GE*1*1~

IEA*1*000000001~

4.0 Purchase Order – EDI 850 5010

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

NOTE: These 850 specifications reflect version 5010 of the 850. Some retailers require that you use the 4010 version. To obtain a copy of that specification, please contact our technical support team.

Purpose: To transmit new orders.

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

4.1 850 – 5010 Segment Hierarchy

Elements with a green background are Mandatory.

Elements with a blue background are Recommended per best practice.

Elements with a white background are Optional but may be required by your trading partner.

Elements with a grey background are only found on data exports.

Header

ISA	Interchange Header
GS	Group Header

Transaction

ST	Transaction Set Header
BEG	Beginning Segment for Purchase Order
CUR	Currency
CUR	Consumer Currency Code
REF	Internal Trading Partner Number
REF	Channel
REF	Test Flag
REF	Gift Wrap Flag Added 2022-02
REF	Gift Receipt ID
REF	Receipt ID

REF	Dsco Order ID
REF	Dsco Order Status
REF	Dsco Order Lifecycle
REF	Dsco Retailer ID
REF	Dsco Retailer Name
REF	Dsco ID
REF	Dsco Name
REF	Dsco Trading Partner ID
REF	Dsco Trading Partner Name
REF	Dsco Trading Partner Parent ID
REF	Dsco Create Date
REF	Dsco Last Update Date
REF	Payment Card Type 1-X
REF	Payment Card Last Four 1-X
REF	Tax Percentage 1-X
REF	Tax Type Code 1-X
REF	Coupon Amount 1-X
REF	Coupon Percentage 1-X
REF	Dsco Ship Carrier
REF	Dsco Ship Method
REF	Dsco Shipping Service Level Code
REF	Retailer Ship Carrier
REF	Retailer Ship Method
REF	Retailer Shipping Service Level Code
REF	Requested Warehouse Code

REF	Requested Warehouse Retailer Code
REF	Requested Warehouse Dsco ID
REF	Dsco Warehouse Code
REF	Dsco Warehouse Retailer Code
REF	Dsco Warehouse Dsco ID
REF	Ship Warehouse Code
REF	Ship Warehouse Retailer Code
REF	Ship Warehouse Dsco ID
REF	Retailer Accounts Payable ID
REF	Authorization For Expense Number
REF	Customer Membership ID
REF	Release Number
REF	Shipping Account Number
REF	Secondary Receipt ID
REF	Secondary Consumer Order Number
REF	Packing Slip Template
REF	Business Rule Code
PER	Packing Slip Contact Details
CSH	Expedite Shipping Flag
SAC	Shipping Surcharge
SAC	Order Total Amount
SAC	Taxable Amount of Sale
SAC	Sales Tax
SAC	Consumer Credit Amount Total
SAC	Extended Expected Cost Total

SAC	Consumer Credit Amount Total
SAC	Gift Flag
DTM	Acknowledge-By Date/Time Reference
DTM	Cancel After Date/Time Reference
DTM	Ship-By Date/Time Reference
DTM	Invoice-By Date/Time Reference
DTM	Retailer Create Date/Time Reference
DTM	Expected Delivery Date/Time Reference
DTM	Expected Cross-Dock Location Delivery Date/Time Reference
DTM	Required Delivery Date/Time Reference
DTM	Consumer Order Date
TD5	Carrier/Shipment Details
TD4	Signature Required Flag
CTB	Message
TXI	Taxes & Tax Type Codes
N9	Consumer Order Number
N9	Order Notes
MTX	Marketing Message
MTX	Shipping Instructions
MTX	Packing Instructions
MTX	Packing Slip Message
MTX	Returns Message
MTX	Message
MTX	Gift Message
MTX	Delivery Method

N1	Gift-To Name
N1	Gift-From Name
N1	Ship-To Name
N2	Ship-To Company/Attention
N3	Ship-To Address Information
N4	Ship-To Geographic Location
REF	Ship-To Store Number
REF	Ship-To Address Type
PER	Ship-To Communications Contact
N1	Bill-To Name
N2	Bill-To Company/Attention
N3	Bill-To Address Information
N4	Bill-To Geographic Location
REF	Bill-To Address Type - Added 2021-03
PER	Bill-To Communications Contact
N1	Buyer Name
N2	Buyer Company/Attention
N3	Buyer Address Information
N4	Buyer Geographic Location
REF	Buyer Address Type
PER	Buyer Communications Contact
N1	Sold-To Name
N2	Sold-To Company/Attention
N3	Sold-To Address Information
N4	Sold-To Geographic Location

REF	Sold-To Address Type
PER	Sold-To Communications Contact
N1	Invoice-To Name
N2	Invoice-To Company/Attention
N3	Invoice-To Address Information
N4	Invoice -To Geographic Location
REF	Invoice -To Address Type
PER	Invoice -To Communications Contact
N1	Cross-Dock Location Name
N2	Cross-Dock Location Company/Attention
N3	Cross-Dock Location Address Information
N4	Cross-Dock Location Geographic Location
REF	Cross-Dock Location Address Type
REF	Cross-Dock Location Store Number
PER	Cross-Dock Location Communications Contact

Item Detail

PO1	Baseline Line-Item Data
LIN	Line-Item Identification - Not required for 850 imports but it will be included in 850 exports.
CTP	Line-Item Consumer Price
CTP	Line-Item Retail Price
CTP	Line-Item Consumer Price With Tax
CTP	Line-Item Consumer Price Without Tax
PID	Line-Item Product Group
PID	Line-Item Dsco Title

PID	Line-Item Dsco Color
PID	Line-Item Dsco Size
PID	Line-Item Packing Slip Title
PO4	Line-Item Weight
REF	Line-Item Retailer Item ID 1-X
REF	Line-Item Personalization
REF	Line-Item Tax Percentage 1-X
REF	Line-Item Tax Type Code 1-X
REF	Line-Item Warehouse Retailer Code
REF	Line-Item Warehouse Dsco ID
REF	Line-Item Consumer Line Number
REF	Line-Item Secondary Receipt ID
SAC	Line-Item Shipping Surcharge
SAC	Line-Item Extended Expected Cost Total
SAC	Line-Item Consumer Balance Due
SAC	Line-Item Consumer Credit Amount Total
SAC	Line-Item Handling Amount
SAC	Line-Item Gift Flag
SAC	Line-Item Packing Slip Message
TXI	Taxes
N9	Line Level Notes
DTM	Line-Item Expected Delivery Date
DTM	Line-Item Expected Cross-Dock Location Delivery Date
DTM	Line-Item Required Delivery Date
DTM	Line-Item Acknowledge By Date

DTM	Line-Item Cancel After Date
DTM	Line-Item Ship By Date
DTM	Line-Item Invoice-By Date
DTM	Line-Item Requested Ship Date
MTX	Line-Item Ship Instructions
MTX	Line-Item Packing Instructions
MTX	Line-Item Returns Message
MTX	Line-Item Message
MTX	Line-Item Gift Message
MTX	Line-Item Gift Wrap Message
MTX	Line-Item Personalization
N1	Line-Item Gift-To Name
N1	Line-Item Gift-From Name
N1	Line-Item Department ID/Name
N1	Line-Item Merchandising Account ID/Name
N1	Line-Item Cross-Dock Location Name
N2	Line-Item Cross-Dock Location Company/Attention
N3	Line-Item Cross-Dock Location Address Information
N4	Line-Item Cross-Dock Location Geographic Location
REF	Line-Item Cross-Dock Location Address Type
PER	Line-Item Cross-Dock Location Communications Contact

Trailer

CTT	Transaction Totals
SE	Transaction Set Trailer

GE	Group Trailer
IEA	Interchange Trailer

4.2 850 – 5010 Segment Specification

Element	Name	Comment
GS - Functional Group Header (Mandatory)		
GS01	Functional Identifier Code	'PO' for Purchase Order (850)
ST - Transaction Set Header (Mandatory)		
ST01	Transaction Set Identifier Code	'850'
ST02	Transaction Set Control No.	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	Code noting the type of order, specified by the retailer. Possible values are: 'SA' for Stand-Alone Order 'DS' for Dropship Order 'MA' for Marketplace Order 'WH' for Wholesale Order 'MI' for Mixed-type Order
BEG03	Purchase Order Number	Purchase Order Number
BEG04	empty	empty
BEG05	Retailer Order Create Date	Date in format (CCYYMMDD)
BEG06	Contract Number	Buying Contract Agreement ID
CUR - Currency (Recommended)		
CUR01	Entity Identifier Code	'BY' for Buying Party
CUR02	Currency Code	'USD'
CUR - Currency Code (Optional)		
CUR01	Entity Identifier Code	'X6' for Currency Code
CUR02	Currency Code	'USD'
CUR - Consumer Currency Code (Optional)		
CUR01	Entity Identifier Code	'LW' for Consumer Currency Code
CUR02	Currency Code	'USD'
REF - Internal Trading Partner Number (Mandatory)		
REF01	Reference Identification Qualifier	'IA' for Internal Trading Partner Number
REF02	Reference Identification	Trading Partner ID is used as the first priority, otherwise the Supplier account ID will be utilized.

REF - Channel (Recommended on imports, included on 850 exports sourced from original order)		
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 (Included in 850 Exports, sourced from original order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Test Flag - When set to '1', the order will be designated as a "test" order. Retailers and Supplier can filter on this flag within the Dsco portal and include these orders in their automated or manual order exports by specifying that they want test orders included. When set to '0' or not provided in the feed, the order will be considered a "live" order.
REF03	Description	'test_flag'
REF - Gift Receipt ID (Included in 850 Exports, sourced from original order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Gift Receipt ID - Gift receipt ID assigned to the order by the retailer.
REF03	Description	'gift_receipt_id'
REF - Gift Wrap Flag (Included in 850 Exports, sourced from original order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Gift Wrap Flag - Indicates whether the package should be gift wrapped.
REF03	Description	'gift_wrap_flag'
REF - Receipt ID (Included in 850 Exports, sourced from original order)		
REF01	Reference Identification Qualifier	'BAF' for Receipt Number
REF02	Reference Identification	Receipt ID - receipt ID assigned to the order by the retailer.
REF03	Description	'receipt_id'
REF - Dsco Order Identifier (Included in 850 exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The order ID assigned by Rithum for the given order within Dsco.

REF03	Description	'dsc_order_id'
REF - Dsco Order Status (Included in 850 exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The status of the order assigned by Rithum. Possible Values are: created, shipment pending, shipped, cancelled
REF03	Description	'dsc_order_status'
REF - Dsco Order Lifecycle (Optional on imports - included on 850 exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' - Mutually Defined
REF02	Reference Identification	The status of the order within the Dsco lifecycle. Possible Value are: received - Order received by Rithum created - Order ready for Supplier to process acknowledged - The Supplier has received the order completed - The Supplier has taken all necessary actions on the order
REF03	Description	'dsc_lifecycle'
REF - Dsco Retailer Identifier (Included on 850 exports, generated by Rithum)		
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	'dsc_retailer_id'
REF - Dsco Retailer Name (Included on 850 exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The name of the given retailer in Rithum
REF03	Description	'dsc_retailer_name'
REF - Dsco Supplier ID (Included on 850 exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The supplier account ID assigned by Rithum
REF03	Description	'dsc_supplier_id'
REF - Dsco Supplier Name (Included on 850 exports, generated by Rithum)		
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	'dsc_supplier_name'
REF - Dsco Trading Partner Identifier (Included on 850 exports, sourced from original order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's Dsco account identifier of the given

		SKU as specified using the Trading Partner ID set up within the Trading Partner manager.
REF03	Description	'dsko_trading_partner_id'
REF - Dsko Trading Partner Name (Included on 850 exports, sourced from retailer settings/order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailers Dsko account name of the given SKU as specified using the Trading Partner ID set up within the Trading Partner detail settings page.
REF03	Description	'dsko_trading_partner_name'
REF - Dsko Trading Partner Parent ID (Included on 850 exports, sourced from retailer settings)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer's Parent identifier as specified using the Trading Partner Parent ID set up within the Portal
REF03	Description	'dsko_trading_partner_parent_id'
REF - Dsko Create Date (Included on 850 exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the order was originally created within Dsko. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsko_create_date'
REF - Dsko Last Update Date (Included on 850 exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the order was last updated in any way. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsko_last_update_date'
REF - Payment Card Type (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Type of payment card used by the customer.
REF03	Description	'payment_card_type_x' (x can be 1 through 99)
REF - Payment Card Last Four (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Last 4 digits of the payment card.
REF03	Description	'payment_card_last_four_x' (x can be 1 through 99)
REF - Tax Percentage (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined

REF02	Reference Identification	Percentage of tax applied to the order.
REF03	Description	'tax_percentage_x' (x can be 1 through 99)
REF - Tax Type Code (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Type of tax applied to the order.
REF03	Description	'tax_type_code_x' (x can be 1 through 99)
REF - Coupon Amount (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Coupon Amount.
REF03	Description	'coupon_amount_x' (x can be 1 through 99)
REF - Coupon Percentage (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Coupon Percentage.
REF03	Description	'coupon_percentage_x' (x can be 1 through 99)
REF - Dsco Ship Carrier (Included on 850 exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping carrier the Supplier should ship the order with.
REF03	Description	'dsco_ship_carrier'
REF - Dsco Ship Method (Included on 850 exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping method the Supplier should ship the order.
REF03	Description	'dsco_ship_method'
REF - Dsco Shipping Service Level Code (Included on 850 exported, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Dsco-mapped shipping service level code from the original order SCAC
REF03	Description	'dsco_shipping_service_level_code'
REF - Retailer Ship Carrier (Included on 850 exports, sourced from retailer settings/original order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping carrier requested by the retailer.
REF03	Description	'retailer_ship_carrier'
REF - Retailer Ship Method (Included on 850 exports, sourced from retailer settings/original order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping method requested by the retailer.

REF03	Description	'retailer_ship_method'
REF - Retailer Shipping Service Level Code (Included on 850 exports, from retailer settings/order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The shipping service level requested by the retailer.
REF03	Description	'retailer_shipping_service_level_code'
REF - Requested Warehouse Code (Recommended for imports - included on 850 exports sourced from order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse code requested by the retailer.
REF03	Description	'requested_warehouse_code'
REF - Requested Warehouse Retailer Code (Included on 850 exports sourced from order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse retailer code requested by the retailer.
REF03	Description	'requested_warehouse_retailer_code'
REF - Requested Warehouse Dsco ID (Included on 850 exports sourced from order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse Dsco ID requested by the retailer.
REF03	Description	'requested_warehouse_dsco_id'
REF - Dsco Warehouse Code (Included on 850 exports, sourced from warehouse mappings)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse code suggested by Rithum.
REF03	Description	'dsco_warehouse_code'
REF - Dsco Warehouse Retailer Code (Included on 850 exports, sourced from warehouse mappings)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse retailer code suggested by Rithum.
REF03	Description	'dsco_warehouse_retailer_code'
REF - Dsco Warehouse Dsco ID (Included on 850 exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse Dsco ID generated by Rithum.
REF03	Description	'dsco_warehouse_dsco_id'
REF - Ship Warehouse Code (Included on 850 exports, sourced from order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse code the Supplier should ship from.
REF03	Description	'ship_warehouse_code'

REF - Ship Warehouse Retailer Code (Included on 850 exports, sourced from order)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The retailer warehouse code the Supplier should ship from
REF03	Description	'ship_warehouse_retailer_code'
REF - Ship Warehouse Dsco ID (Included on 850 exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The warehouse Dsco ID the Supplier should ship from.
REF03	Description	'ship_warehouse_dsco_id'
REF - Retailer Accounts Payable ID (Optional)		
REF01	Reference Identification Qualifier	'11' for Account Number
REF02	Reference Identification	Indicates the Retailer's identifier for the accounts payable department that the Supplier should utilize when submitting billing/invoice information.
REF03	Description	'retailer_accounts_payable_id'
REF - Authorization for Expense Number (Optional)		
REF01	Reference Identification Qualifier	'AE' for Authorization For Expense Number
REF02	Reference Identification	Authorization for Expense (AFE) Number - The AFE number the Supplier can use within their billing/invoicing process.
REF03	Description	'authorization_for_expense_number'
REF - Customer Membership ID (Optional)		
REF01	Reference Identification Qualifier	'IT' for Internal Identifier
REF02	Reference Identification	The Customer Membership ID that the retailer uses to track the purchaser. This information is mostly used within the packing slip.
REF03	Description	'customer_membership_id'
REF - Release Number (Optional)		
REF01	Reference Identification Qualifier	'RE' for Release Number
REF02	Reference Identification	The release number issued by the retailer for the given order for inclusion on the packing slip.
REF03	Description	'release_number'
REF - Secondary Consumer Number (Optional)		
REF01	Reference Identification Qualifier	'7U' for Secondary Consumer Number
REF02	Reference Identification	Used to provide the secondary consumer number on an order with multiple consumer order numbers.
REF03	Description	'secondary_consumer_order_number'
REF - Shipping Account Number (Optional)		

REF01	Reference Identification Qualifier	'5B' for Supplemental Account Number
REF02	Reference Identification	Used to provide the shipping account number for the carrier that is indicated should be shipped through.
REF03	Description	'shipping_account_number'
REF - Secondary Receipt ID (Optional)		
REF01	Reference Identification Qualifier	'CS' for Secondary Receipt ID
REF02	Reference Identification	Used to provide the secondary receipt ID.
REF03	Description	'secondary_receipt_id'
REF - Packing Slip Template (Optional)		
REF01	Reference Identification Qualifier	'PK' for Packing Slip Template
REF02	Reference Identification	Used to provide the packing slip template
REF03	Description	'packing_slip_template'
REF - Business Rule Processing Code (Optional)		
REF01	Reference Identification Qualifier	'SU' for Special Processing Code
REF02	Reference Identification	Business Rule Codes. Possible Values are: "PACK" - Packing slip will be created "NOPACK" - No Packing slip will be created
REF03	Description	'business_rule_code'
REF - Customer Order Number (Recommended)		
REF01	Reference Identification Qualifier	'CO' for Customer Order Number - consumer_order_number within Dsco platform schema
REF02	Reference Identification	Customer order number - consumer_order_number within Dsco platform schema. May be required by the retailer that this be printed on the packing slip.
REF03	Description	'consumer_order_number'
PER - Packing Slip Contact Details (Optional)		
PER01	Contact Function Code	'OD' for Packing Slip Details
PER02	Empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number
PER04	Communication Number	Used for Packing Slip Telephone Number
PER05	Communication Number Qualifier	'EM' - for Email
PER06	Communication Number	Used for Packing Slip Email
CSH - Expedite Order Flag (Optional)		
CSH01	Expedite Order Indicator	'P2' for Expedite Flag

CSH02	empty	empty
CSH03	Reference Identification	'1' for "true", indicating the order should be expedited for shipping; '0' for "false" the order should not be expedited.
SAC - Service, Promotion, Allowance, or Charge Information (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D230' for Freight Surcharge
SAC03-SAC04	empty	empty
SAC05	Amount	Freight Surcharge Amount - <i>Implied Decimal</i> - EDI Type N2
SAC - Order Total Amount (Recommended)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'ZZZZ' for Shipping Surcharge
SAC03-SAC04	empty	empty
SAC05	Amount	Shipping Surcharge Amount - <i>Implied Decimal</i> - EDI Type N2
SAC - Taxable Amount of Sale (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D340' for Taxable Amount of Sale
SAC03-SAC04	empty	empty
SAC05	Amount	Taxable Amount of Sale - <i>Implied Decimal</i> - EDI Type N2
SAC - Amount of Sales Tax Collected (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D360' for Sales Tax
SAC03-SAC04	empty	empty
SAC05	Amount	Amount of Sales Tax - <i>Implied Decimal</i> - EDI Type N2
SAC - Consumer Credit Amount Total (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'B800' for Consumer credit amount total.
SAC03-SAC04	empty	Empty
SAC05	Amount	Amount of consumer credit amount total - <i>Implied Decimal</i> - EDI Type N2
SAC - Extended Expected Cost Total (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge

SAC02	Service, Promotion, Allowance, or Charge Code	'D340' for Extended Expected Cost Total.
SAC03-SAC04	empty	Empty
SAC05	Amount	Amount of extended expected cost total - <i>Implied Decimal</i> - EDI Type N2
SAC - Gift Flag (Included in 850 Exports, sourced from original order)		
SAC01	Allowance or Charge Indicator	'S' for Service
SAC02	Service, Promotion, Allowance, or Charge Code	'H151' for Special Services (Gift Flag)
SAC03-SAC12	empty	Empty
SAC13	Reference Identification	Gift Flag - When set to '1', the order will be designated as a "gift" order. When set to '0' or not provided in the feed, the order will be considered a "normal", or "non-gift" order.
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 CCYMMDD
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 CCYMMDD
DTM03	Time	Cancel-After Time in format HHMM
DTM - Ship-By Date-Time Reference (Recommended)		
DTM01	Date/Time Qualifier	'038' for Ship No Later - Date the order is expected to ship by.
DTM02	Date	Ship-By Date in format CCYMMDD
DTM03	Time	Ship-By Time in format HHMM
DTM - Invoice-By Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'003' for Invoice - When the Supplier is expected to invoice the order by.
DTM02	Date	Invoice-By Date in format CCYMMDD
DTM03	Time	Invoice-By Time in format HHMM
DTM - Retailer Create Date-Time Reference (Recommended)		
DTM01	Date/Time Qualifier	'004' for Purchase Order - When the order was created within the retailer's system.
DTM02	Date	Retailer Create Date in format CCYMMDD

DTM03	Time	Retailer Create Time in format HHMM
DTM - Retailer Expected Delivery Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'074' for Purchase Order - Requested for delivery (on/before this date).
DTM02	Date	Retailer expected delivery date in format CCYYMMDD
DTM03	Time	Retailer expected delivery time in format HHMM
DTM - Retailer Expected Cross-Dock Delivery Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'073' for Expected Cross-Dock Delivery Date
DTM02	Date	Expected Cross-Dock Delivery Date in format CCYYMMDD
DTM 03	Time	Expected Cross-Dock Delivery Time in format HHMM
DTM - Retailer Required Delivery Date-Time Reference (Optional)		
DTM01	Date/Time Qualifier	'996' for Required Delivery - the order must be delivered ON this date (not before or after).
DTM02	Date	Retailer required delivery date in format CCYYMMDD
DTM03	Time	Retailer required delivery time in format HHMM
DTM - Consumer Order Date (Optional)		
DTM01	Date/Time Qualifier	'006' for Consumer Order Date.
DTM02	Date	Consumer order date in format CCYYMMDD
DTM03	Time	Consumer order delivery time in format HHMM
TD5 - Carrier Details (Mandatory)		
TD501	Qualifier	'Z' for Mutually Defined
TD502	Qualifier	'ZZ' for Mutually Defined - Only set if TD503 is not empty
TD503	Code	Ship Carrier - Examples: FedEx, UPS, USPS
TD504	Qualifier	'ZZ' for Mutually Defined - Only set if TD505 is not empty
TD505	Code	Ship Method - Examples: Ground, SmartPost, Overnight
TD506	empty	empty
TD507	Location Qualifier	'ZZ' for Mutually Defined - Only set if TD508 is not empty
TD508	Location Identifier	Shipping Service Level Code - Available service codes can be found in the Ship Mapping settings of your Dsco platform Portal.
TD4 - Signature Required Flag (Optional)		
TD401	Special Handling Code	'OTD' for Time of Delivery and Signature Required
TD402	empty	empty
TD403	empty	empty
TD404	Description	Signature_required_flag
TD405	Yes/No Condition or Response Code	'Y' for Yes; 'N' for No

CTB - Message (Optional)		
CTB01	Restrictions/Conditions Qualifier	'OR' for General Order Instructions (Message)
CTB02	Description	Free-form text field for Message - a general message/instructions to the Supplier for the order.
TXI - Tax (Optional) – TXI Segment may be 3-10 elements long, depending on order data.		
TXI01	Tax Type Code	Tax Type Code
TXI02	Tax Percentage Amount	Tax Percentage Amount
TXI03	Tax Amount	Tax Amount
TXI04	Tax Jurisdiction Qualifier	Code identifying the source of the data used in tax jurisdiction code
TXI05	Tax Jurisdiction	Code identifying the taxing jurisdiction
TXI06	empty	empty
TXI07	empty	empty
TXI08	empty	empty
TXI09	Tax Registration Number	Tax Registration Number
TXI010	Tax Description	Tax Description
N9 - Messages (Optional) - Only Included if an MTX segment will be included		
N901	Reference Identification Qualifier	'L1' for order Letters or Notes
N902	Reference Identification	Note Counter
N903	Free-Form Description	'Additional Order Messages and Instructions'
MTX - Marketing Message (Optional)		
MTX01	Note Reference Code	'MKN' for Marketing Notes
MTX02	Text	Free-form text field for Marketing Message
MTX - Ship Instructions (Optional)		
MTX01	Note Reference Code	'LAB' for Ship/Label Instructions
MTX02	Text	Free-form text field for Shipping Instructions
MTX - Packing Instructions (Optional)		
MTX01	Note Reference Code	'PKG' for Packaging Instructions
MTX02	Text	Free-form text field for Packing Instructions
MTX - Packing Slip Message (Optional)		
MTX01	Note Reference Code	'OTH' for Packing Slip Message
MTX02	Text	Free-form text field for Packing Slip Message - To be included in the packing slip if the Supplier is generating their own packing slip in-house.
MTX - Gift Wrap Message (Optional)		
MTX01	Note Reference Code	'WRP' for Gift Wrap Message
MTX02	Text	Free-form text field for Message - supplied by the customer regarding how the gift should be wrapped.
MTX - Returns Message (Optional)		

MTX01	Note Reference Code	'GPL' for General Policy - general returns information
MTX02	Text	Free-form text field for Returns Message
MTX - Message (Optional)		
MTX01	Note Reference Code	'INT' for General Order Instructions (Message)
MTX02	Text	Free-form text field for Message - a general message/instructions to the Supplier concerning your order.
MTX - Gift Message (Optional)		
MTX01	Note Reference Code	'EAJ' for Gift Message
MTX02	Text	Free-form text field for Gift Message
MTX - Delivery Method (Optional)		
MTX01	Note Reference Code	'DEL' for 'Delivery Method'
MTX02	Text	Delivery Method of the order. Possible Values are: 'in_store_pickup,' 'ship_to_customer'
N1 - Gift-To Name (Optional)		
N101	Entity Identifier Code	'GIR' for Gift Recipient
N102	Name	Gift Recipient Name
N1 - Gift-From Name (Optional)		
N101	Entity Identifier Code	'BY' for Buying Party/Purchaser (Gift-From Name)
N102	Name	Gift-From Name
N1 - Ship-To Name (Mandatory)		
N101	Entity Identifier Code	'ST' for Ship-To Address
N102	Name	Customer name that should be displayed on the package address label and packing slip.
N2 - Ship-To Company/Attention (Optional)		
N201	Company	Ship-To Company
N202	Attention	Ship-To Attention
N3 - Ship-To Address Information (Mandatory)		
N301	Address Line 1 Information	First address line of Ship-To that should be displayed on the package address label and packing slip.
N302	Address Line 2 Information	Second address line of Ship-To that should be displayed on the package address label and packing slip.
N4 - Geographic Locations (Mandatory)		
N401	City Name	Ship-To City that should be displayed on the package address label and packing slip.
N402	State Code	Ship-To State that should be displayed on the package address label and packing slip.
N403	Postal Code	Ship-To Zip code excluding punctuation (hyphens) and blanks. Should be displayed on the package address label and packing slip.

N404	Country Code	Ship-To Country code. Should be displayed on the package address label and packing slip.
N405	Location Qualifier	'CY' - County
N406	Location Identifier	Ship-To County
REF - Ship-To Store Number (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The ship-to-store number provided by the retailer on the original order
REF03	Description	'ship_store_number'
REF - Ship-To Address Type (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The address type of the ship-to address. Is it 'Residential' or 'Commercial'?
REF03	Description	'ship_address_type'
PER - Communications Contact (Recommended)		
PER01	Contact Function Code	'OC' for Order Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number
PER04	Communication Number	Contact telephone 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
N1 - Bill-To Name (Optional)		
N101	Entity Identifier Code	'BT' for Bill-To Party
N102	Name	Bill-to Name
N2 - Bill-To Company/Attention (Optional)		
N201	Company	Bill-To Company If Bill-To Company is empty and Bill-To Attention is not, Bill-To Attention will be moved to N201
N202	Attention	Bill-To Attention
N3 - Bill-To Address Information (Optional)		
N301	Address Line 1 Information	First address line of the Bill-To
N302	Address Line 2 Information	Second address line of the Bill-To
N4 - Bill-To Geographic Locations (Optional)		

N401	City Name	Bill-To City that should be displayed
N402	State Code	Bill-To State that should be displayed
N403	Postal Code	Bill-To Zip code that should be displayed
N404	Country Code	Bill-To Country code that should be displayed
N405	Location Qualifier	'CY' - County
N406	Location Identifier	Bill-To County
REF - Bill-To Address Type (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The address type of the bill-to address. Is it 'Residential' or 'Commercial'?
REF03	Description	'bill_to_address_type'
REF01	Description	Tax description, free text
REF01	Reference Identification Qualifier	'TX' for Mutually Defined
REF03	Description	Description of the Tax in above TXI segment
PER - Bill-To Communications Contact (Optional)		
PER01	Contact Function Code	'IC' for Information Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number
PER04	Communication Number	Bill-to contact telephone number. 10-digit phone number + up to 6-digit extension formatted as XXX-XXX-XXXX XXXXXX
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	Bill-To Email Address
N1 - Buyer-To Name (Optional)		
N101	Entity Identifier Code	'BY' for Buyer
N102	Name	Buyer Name
N103	Identification Code Qualifier	'93' - Code Assigned by Organization
N104	Identification Code	Buyer Customer Number
N2 - Buyer Company/Attention (Optional)		
N201	Company	Buyer Company If Buyer Company is empty and Buyer Attention is not, Buyer Attention will be moved to N201
N202	Attention	Buyer Attention
N3 - Buyer Address Information (Optional)		
N301	Address Line 1 Information	First address line of the Buyer
N302	Address Line 2 Information	Second address line of the Buyer
N4 - Buyer Geographic Locations (Optional)		
N401	City Name	Buyer City that should be displayed
N402	State Code	Buyer State that should be displayed

N403	Postal Code	Buyer Zip code that should be displayed
N404	Country Code	Buyer Country code that should be displayed
N405	Location Qualifier	'CY' - County
N406	Location Identifier	Buyer County
REF - Buyer Address Type (Optional)		
REF01	Reference Identification Qualifier	'4C' for Mutually Defined
REF02	Reference Identification	The address type of the Buyer address. Possible Values are: 'Residential', 'Commercial'
PER - Buyer Communications Contact (Optional)		
PER01	Contact Function Code	'IC' for Information Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number
PER04	Communication Number	Buyer contact telephone 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	Buyer Email Address
PER07	Communication Number Qualifier	'NP' - for Night Phone
PER08	Communication Number	Buyer Night Phone Number. 10-digit phone number + up to 6-digit extension formatted as XXX-XXX-XXXX XXXXXX
N1 - Sold-To Name (Optional)		
N101	Entity Identifier Code	'SO' for Sold-To
N102	Name	Sold-To Name
N103	Identification Code Qualifier	'93' - Code Assigned by Organization
N104	Identification Code	Sold-To Customer Number
N2 - Sold-To Company/Attention (Optional)		
N201	Company	Sold-To Company If Sold-To Company is empty and Sold-To Attention is not, Sold-To Attention will be moved to N201
N202	Attention	Sold-To Attention
N3 - Sold-To Address Information (Optional)		
N301	Address Line 1 Information	First address line of the Sold-To
N302	Address Line 2 Information	Second address line of the Sold-To
N4 - Sold-To Geographic Locations (Optional)		
N401	City Name	Sold-To City that should be displayed
N402	State Code	Sold-To State that should be displayed
N403	Postal Code	Sold-To Zip code that should be displayed
N404	Country Code	Sold-To Country code that should be displayed

N405	Location Qualifier	'CY' - County
N406	Location Identifier	Sold-To County
PER - Sold-To Communications Contact (Optional)		
PER01	Contact Function Code	'BD' for Information Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number
PER04	Communication Number	Contact number for delivery communications. 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	Sold-To Email Address
PER07	Communication Number Qualifier	'NP' - for Night Phone
PER08	Communication Number	Sold-To Night Phone Number. 10-digit phone number + up to 6-digit extension formatted as XXX-XXX-XXXX XXXXXX
N1 - Invoice-To Name (Optional)		
N101	Entity Identifier Code	'PO' for Invoice-To
N102	Name	Invoice -To Name
N103	Identification Code Qualifier	'93' - Code Assigned by Organization
N104	Identification Code	Invoice -To Customer Number
N2 - Invoice -To Company/Attention (Optional)		
N201	Company	Invoice -To Company If Invoice -To Company is empty and Invoice -To Attention is not, Invoice -To Attention will be moved to N201
N202	Attention	Invoice -To Attention
N3 - Invoice -To Address Information (Optional)		
N301	Address Line 1 Information	First address line of the Invoice -To
N302	Address Line 2 Information	Second address line of the Invoice -To
N4 - Invoice -To Geographic Locations (Optional)		
N401	City Name	Invoice -To City that should be displayed
N402	State Code	Invoice -To State that should be displayed
N403	Postal Code	Invoice -To Zip code that should be displayed
N404	Country Code	Invoice -To Country code that should be displayed
N405	Location Qualifier	'CY' - County
N406	Location Identifier	Invoice-To County
PER - Invoice -To Communications Contact (Optional)		
PER01	Contact Function Code	'BD' for Information Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number

PER04	Communication Number	Invoice-to contact telephone 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	Invoice -To Email Address
PER07	Communication Number Qualifier	'NP' - for Night Phone
PER08	Communication Number	Invoice -To Night Phone Number. 10-digit phone number + up to 6-digit extension formatted as XXX-XXX-XXXX XXXXXX
N1 - Cross-Dock Location Name (Optional)		
N101	Entity Identifier Code	'45' for Cross-Dock
N102	Name	Cross-Dock Location Name
N103	Identification Code Qualifier	'93' - Code Assigned by Organization
N104	Identification Code	Cross-Dock Location Customer Number
N2 - Cross-Dock Location Company/Attention (Optional)		
N201	Company	Cross-Dock Location Company
N202	Attention	Cross-Dock Location Attention
N3 - Cross-Dock Location Address Information (Optional)		
N301	Address Line 1	First address line of the Cross-Dock Delivery Location
N302	Address Line 2	Second address line of the Cross-Dock Delivery Location
N4 - Cross-Dock Geographic Locations (Optional)		
N401	City Name	Cross-Dock Location City
N402	State Code	Cross-Dock Location Region/State
N403	Postal Code	Cross-Dock Location Zip code
N404	Country Code	Cross-Dock Location Country code
N405	Location Qualifier	'CY' - County
N406	Location Identifier	Cross-Dock Location County
REF - Cross-Dock Location Address Type (Optional)		
REF01	Reference Qualifier Code	'ZZ' for Cross-Dock Reference
REF02	Reference Value	Type of the Cross-Dock Delivery Location Address. Possible Values are: 'commercial,' 'residential'
REF03	Reference Identification	'cross_dock_location_address_type'
PER - Cross-Dock Location Communications Contact (Optional)		
PER01	Contact Function Code	'BD' for Information Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number
PER04	Communication Number	10-digit phone number + up to 6-digit extension formatted as XXX-XXX-XXXX XXXXXX
PER05	Communication Number Qualifier	'EM' for Electronic Mail

PER06	Communication Number	Cross-Dock Location Email Address
PER07	Communication Number Qualifier	'NP' - for Night Phone
PER08	Communication Number	Cross-Dock Location Night Phone Number. 10-digit phone number + up to 6-digit extension formatted as XXX-XXX-XXXX XXXXXX
PO1 - Base Line-Item Data (Mandatory)		
PO101	Assigned Identification	Line Number - If the retailer sets a desired line-number, it will be included here. Otherwise, Rithum assigns the first line number to 1 and increments each additional line.
PO102	Unit Quantity Ordered	Quantity Orders - 1 or more
PO103	Unit or Basis for Measurement	'EA' for Each
PO104	Unit Price	The expected cost of the item being ordered. What the retailer expects the Supplier to invoice them for this order. Max with format: 9999.99 <i>Attention: The decimal place must be included.</i>
PO105	empty	empty
PO106	Product ID Qualifier	'SK' for SKU
PO107	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required. If a SKU is not available you may duplicate the UPC or EAN to this field.
PO108	Product ID Qualifier	'UP' for UPC 'EN' for EAN 'UK' for GTIN 'MG' for Manufacturer's Part Number (MPN) 'BP' for Partner SKU 'EM' for Dsco Item ID 'PD' for Line-Item Title 'CB' for Retailer Item Identifier 'DV' for Warehouse Location Code
PO109	Product ID	<ul style="list-style-type: none"> When the Qualifier is 'UP': Universal Product Code (UPC) When the Qualifier is 'EN': European Article Number (EAN) When the Qualifier is 'UK': GTIN When the Qualifier is 'MG': Manufacturer's Part Number (MPN) When the Qualifier is 'BP': Partner SKU When the Qualifier is 'EM': Dsco Item ID When the Qualifier is 'PD': Line-Item Title When the Qualifier is 'CB': Retailer Item Identifier When the Qualifier is 'DV': Warehouse Location Code When the Qualifier is 'FX': Expected Cost Adjustment Allowed When the Qualifier is 'PI': Packing Slip SKU
LIN - Line-Item Identification (Also included on 850 exports, sourced from item data)		

LIN01	Assigned ID	dsko_item_id - The internal Dsco identifier for this item. Will only be populated for exports from Dsco.
LIN02	Product ID Qualifier	'SK' for SKU - Empty if no SKU is available.
LIN03	Product ID	The SKU of the item. A SKU is required. (70 characters max)
LIN04	Product ID Qualifier	<p>'UP' for UPC 'EN' for EAN 'UK' for GTIN 'IB' for ISBN 'MG' for Manufacturer's Part Number (MPN) 'BP' for Partner SKU 'EM' for Dsco Item ID 'PD' for Line-Item Title 'CB' for Retailer Item Identifier 'DV' for Warehouse Location Code 'CL' for Line-Item Color 'IZ' for Line-Item Size 'JA' for Line-Item Gift Flag 'B8' for Line-Item Gift Receipt ID 'CR' for Line-Item Receipt ID 'FC' for Line-Item BOGO Flag 'TW' for Line-Item BOGO Instructions</p>
LIN05	Product ID	<ul style="list-style-type: none"> • When the Qualifier is 'UP': Universal Product Code (UPC) • When the Qualifier is 'EN': European Article Number (EAN) • When the Qualifier is 'UK': GTIN • When the Qualifier is 'IB': ISBN • When the Qualifier is 'MG': Manufacturer's Part Number (MPN) • When the Qualifier is 'BP': Partner SKU • When the Qualifier is 'EM': Dsco Item ID • When the Qualifier is 'PD': Line-Item Title • When the Qualifier is 'CB': Retailer Item Identifier • When the Qualifier is 'DV': Warehouse Location Code • When the Qualifier is 'CL': Line-Item Color • When the Qualifier is 'IZ': Line-Item Size • When the Qualifier is 'JA': Line-Item Gift Flag • When the Qualifier is 'B8': Line-Item Gift Receipt ID • When the Qualifier is 'CR': Line-Item Receipt ID • When the Qualifier is 'FC': Line-Item BOGO Flag • When the Qualifier is 'TW': Line-Item BOGO Instructions
CTP - Line-Item Consumer Pricing Information (Optional) **Mandatory for Marketplace Orders**		
CTP01	Class of Trade Code	'GR' for General Retail

CTP02	Price Identifier Code	'PUR' for Retail Price
CTP03	Unit Price	Consumer Price of the Line-Item (line_item_consumer_price). The price the customer paid for the item.
CTP - Line-Item Consumer Pricing Information (Optional) **Mandatory for Marketplace Orders**		
CTP01	Class of Trade Code	'GR' for General Retail
CTP02	Price Identifier Code	'NET' for Net Item Price
CTP03	Unit Price	Consumer Price of the Line-Item with tax (line_item_consumer_price_with_tax). The price the customer paid for the item including tax.
CTP - Line-Item Consumer Pricing Information (Optional) **Mandatory for Marketplace Orders**		
CTP01	Class of Trade Code	'GR' for General Retail
CTP02	Price Identifier Code	'STA' for Standard Price
CTP03	Unit Price	Consumer Price of the Line-Item without tax (line_item_consumer_price_without_tax). The price the customer paid for the item excluding tax.
CTP - Line-Item Retail Pricing Information (Optional) **Mandatory for Marketplace Orders**		
CTP01	Class of Trade Code	'GR' for General Retail
CTP02	Price Identifier Code	'RTL' for Retail Price
CTP03	Unit Price	Actual retail price of the Line-Item (line_item_retail_price). What the customer would normally pay for the item if it weren't on sale.
PID - Line-Item Product Group (Optional)		
PID01	Item Description Code	'F' for Free-Form
PID02	Product/Process Characteristic Code	'08' for Product Group
PID03 - PID04	empty	empty
PID05	Description	The product group/style of the item being ordered. This is usually only needed when a packing slip is required to be printed.
PID - Line-Item Dsco Title (Optional)		
PID01	Item Description Code	'F' for Free-Form
PID02	Product/Process Characteristic Code	'GEN' for Supplier Title
PID03 - PID04	empty	empty
PID05	Description	The title of the SKU. A common practice is to concatenate this data with other fields (such as manufacturer and brand) to end up with a more complete title (e.g., 'Lenovo Thinkpad T410 Notebook').
PID - Line-Item Dsco Color (Optional)		
PID01	Item Description Code	'F' for Free-Form
PID02	Product/Process Characteristic Code	'73' for Supplier Color
PID03 -	empty	empty

PID04		
PID05	Description	The color of the SKU
PID - Line-Item Dsco Size (Optional)		
PID01	Item Description Code	'F' for Free-Form
PID02	Price Identifier Code	'74' for Supplier Size
PID03 - PID04	empty	empty
PID05	Description	The size of the SKU.
PID - Line-Item Packing Slip SKU Title (Optional)		
PID01	Item Description Code	'F' for Free-Form
PID02	Price Identifier Code	'83' for Packing Slip Title
PID03 - PID04	empty	empty
PID05	Description	The title of the Packing Slip SKU.
PO4 - Line-Item Weight (Optional)		
PO401-PO405	Empty	Empty
PO406	Gross Weight per Pack	Line-Item Weight
PO407	Basis for Measurement Code	Line-Item Weight Units
REF - Line-Item Retailer Item ID (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Retailer Item Identifiers for this line-item.
REF03	Description	'line_item_retailer_item_id_x' (x can be 1 through 99)
REF - Line-Item Personalization (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Personalization instructions for this line-item.
REF03	Description	'line_item_personalization'
REF - Line-Item Tax Percentage (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Percentage of tax applied to the order.
REF03	Description	'line_item_tax_percentage_x' (x can be 1 through 99)
REF - Line-Item Tax Type Code (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Type of tax applied to the order.
REF03	Description	'line_item_tax_type_code_x' (x can be 1 through 99)
REF - Line-Item Warehouse Retailer Code (Optional)		

REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Rithum-assigned ID for the given warehouse on the order.
REF03	Description	'line_item_warehouse_retailer_code'
REF - Line-Item Warehouse Dsco ID (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Retailer Code for the given warehouse on the order, as defined by the retailer in their Dsco platform Portal.
REF03	Description	'line_item_warehouse_dsco_id'
REF - Line-Item Commission Percentage (Optional) **Mandatory for Marketplace Orders**		
REF01	Reference Identification Qualifier	'ZZ' - for Mutually Defined
REF02	Reference Identification	The Commission Percentage for the Line-Item.
REF03	Description	'line_item_commission_percentage'
REF - Line-Item Consumer Line Number (Optional)		
REF01	Reference Identification Qualifier	'CO' - for consumer line number
REF02	Reference Identification	The line number for the consumer.
REF03	Description	'line_item_consumer_line_number'
REF - Line-Item Secondary Receipt ID (Optional)		
REF01	Reference Identification Qualifier	'CS' - for secondary receipt ID
REF02	Reference Identification	The secondary receipt ID for the Line-Item.
REF03	Description	'line_item_secondary_receipt_id'
SAC - Line-Item Shipping Surcharge Information (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D230' for Freight Surcharge
SAC03	empty	empty
SAC04	empty	empty
SAC05	Amount	Line-Item shipping surcharge amount - <i>Implied Decimal</i> - EDI Type N2
SAC - Line-Item Amount of Extended Expected Cost Total (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D340' for Extended Expected Cost Total
SAC03-SAC04	empty	empty
SAC05	Amount	Amount of Extended Expected Cost Total - <i>Implied Decimal</i> - EDI Type N2
SAC - Line-Item Consumer Balance Due (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge

SAC02	Service, Promotion, Allowance, or Charge Code	'1132' for Consumer Balance Due
SAC03-SAC04	empty	Empty
SAC05	Amount	Amount of Consumer Balance Due - <i>Implied Decimal</i> - EDI Type N2
SAC - Line-Item Consumer Credit Amount Total (Optional)		
SAC01	Allowance or Charge Indicator	'A' for Allowance
SAC02	Service, Promotion, Allowance, or Charge Code	'B800' for Consumer Credit Amount
SAC03-SAC04	empty	Empty
SAC05	Amount	Consumer Credit amt- <i>Implied Decimal</i> - EDI Type N2
SAC - Line-Item Handling Amount (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D500' for Handling Amount
SAC03-SAC04	empty	Empty
SAC05	Amount	Amount of handling charges - <i>Implied Decimal</i> - EDI Type N2
SAC - Taxable Amount of Sale (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D340' for Taxable Amount of Sale
SAC03-SAC04	empty	empty
SAC05	Amount	Taxable Amount of Sale - <i>Implied Decimal</i> - EDI Type N2
SAC - Amount of Sales Tax Collected (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D360' for Sales Tax
SAC03-SAC04	empty	empty
SAC05	Amount	Amount of Sales Tax - <i>Implied Decimal</i> - EDI Type N2
SAC - Line-Item Gift Flag (Included in 850 Exports, sourced from original order)		
SAC01	Allowance or Charge Indicator	'S' for Service
SAC02	Service, Promotion, Allowance, or Charge Code	'H151' for Special Services (Gift Flag)
SAC03-SAC12	empty	empty

SAC13	Reference Identification	Gift Flag - When set to '1', the order will be designated as a "gift" order. When set to '0' or not provided in the feed, the order will be considered a "normal", or "non-gift" order.
SAC - Line-Item Packing Slip Message (Optional)		
SAC01	Allowance or Charge Indicator	'S' for Service
SAC02	Service, Promotion, Allowance, or Charge Code	'F050' for Other (See related description)
SAC03-SAC14	empty	empty
SAC15	Description	Free-form text field for Line-Item Packing Slip Message
DTM - Line-Item Requested Ship Date (Optional)		
DTM01	Note Reference Code	'010' for Line-Item Requested Ship Date
DTM02	Date	Line-Item Requested Ship Date in format CCYYMMDD
DTM03	Time	Line-Item Requested Ship Date Time in format HHMM
DTM - Line-Item Expected Delivery Date (Optional)		
DTM01	Note Reference Code	'074' for Line-Item Expected Delivery Date
DTM02	Date	Line-Item Expected Delivery Date in format CCYYMMDD
DTM03	Time	Line-Item Expected Delivery Time in format HHMM
DTM - Line-Item Expected Cross-Dock Delivery Date (Optional)		
DTM01	Note Reference Code	'073' for Line-Item Expected Cross-Dock Delivery Date
DTM02	Date	Line-Item Expected Cross-Dock Delivery Date in format CCYYMMDD
DTM03	Time	Line-Item Expected Cross-Dock Delivery Time in format HHMM
DTM - Line-Item Required Delivery Date (Optional)		
DTM01	Note Reference Code	'996' for Line-Item Required Delivery Date
DTM02	Date	Line-Item Expected Required Date in format CCYYMMDD
DTM03	Time	Line-Item Expected Required Time in format HHMM
DTM - Line-Item Acknowledge-By Date (Optional)		
DTM01	Note Reference Code	'ACK' for Line-Item Acknowledge-By Date
DTM02	Date	Line-Item Acknowledge-By Date in format CCYYMMDD
DTM03	Time	Line-Item Acknowledge-By Time in format HHMM
DTM - Line-Item Cancel After Date (Optional)		

DTM01	Note Reference Code	'175' for Line-Item Cancel After Date
DTM02	Date	Line-Item Cancel After Date in format CCYYMMDD
DTM03	Time	Line-Item Cancel After Time in format HHMM
DTM - Line-Item Ship-By Date (Optional)		
DTM01	Note Reference Code	'038' for Line-Item Ship-By Date
DTM02	Date	Line-Item Ship-By Date in format CCYYMMDD
DTM03	Time	Line-Item Ship-By Time in format HHMM
DTM - Line-Item Invoice-By Date (Optional)		
DTM01	Note Reference Code	'003' for Line-Item Invoice-By Date
DTM02	Date	Line-Item Invoice-By Date in format CCYYMMDD
DTM03	Time	Line-Item Invoice-By Time in format HHMM
TXI - Line-Item Tax (Optional)		
TXI01	Tax Type Code	Tax Type Code
TXI02	Tax Amount	Monetary amount of Tax
TXI03	empty	empty
TXI04	Tax Jurisdiction Qualifier	Code identifying the source of the data used in tax jurisdiction code
TXI05	Tax Jurisdiction	Code identifying the taxing jurisdiction
TXI06	Tax Exempt Code	Code identifying the tax exemption
TXI07	empty	empty
TXI08	empty	empty
TXI09	Tax Registration Number	Tax Registration Number
N9 - Line-Item Messages (Optional) - Only Included if an MTX segment will be included		
N901	Reference Identification Qualifier	'L1' for order Letters or Notes
N902	Reference Identification	Additional Order Messages and Instructions.
MTX - Line-Item Ship Instructions (Optional)		
MTX01	Note Reference Code	'INT' for Ship Instructions
MTX02	Text	Free-form text field for Line-Item Shipping Instructions
MTX - Line-Item Packing Instructions (Optional)		
MTX01	Note Reference Code	'PKG' for Packaging Instructions
MTX02	Text	Free-form text field for Line-Item level packing instructions
MTX - Line-Item Returns Message (Optional)		
MTX01	Note Reference Code	'GPL' for General Policy - general returns information
MTX02	Text	Free-form text field for Line-Item Returns Message
MTX - Line-Item Message (Optional)		
MTX01	Note Reference Code	'LIN' for General Line-Item Message (Line-Item Message)

MTX02	Text	Free-form text field for Message - a general message/instructions to the Supplier concerning your order.
MTX - Line-Item Gift Message (Optional)		
MTX01	Note Reference Code	'EAJ' for Gift Message
MTX02	Text	Free-form text field for Line-Item Gift Message
MTX - Line-Item Gift Wrap Message (Optional)		
MTX01	Note Reference Code	'WRP' for Gift Wrap Message
MTX02	Text	Free-form text field message supplied by the customer regarding how the gift should be wrapped.
MTX - Line-Item Personalization (Optional)		
MTX01	Note Reference Code	'COM' for Consumer Comments
MTX02	Text	Free-form text field message supplied by the customer regarding how the item should be personalized.
N1 - Line-Item Cross-Dock Location Name (Optional)		
N101	Entity Identifier Code	'45' for Cross-Dock Location
N102	Name	Line-item Cross-Dock Location Name
N103	Identification Code Qualifier	'93' for Customer Number
N104	Identification Code	Line-item Cross-Dock Location Customer Number
N2 - Line-Item Cross-Dock Location Company/Attention (Optional)		
N201	Company	Cross-Dock Location Company If Cross-Dock Location Company is empty and Cross-Dock Location Attention is not, Cross-Dock Location Attention will be moved to N201
N202	Attention	Cross-Dock Location Attention
N3 - Cross-Dock Location Address Information (Optional)		
N301	Address Line 1 Information	First address line of the Cross-Dock Location
N302	Address Line 2 Information	Second address line of the Cross-Dock Location
N4 - Line-Item Cross-Dock Location Geographic Locations (Optional)		
N401	City Name	Cross-Dock Location City that should be displayed
N402	State Code	Cross-Dock Location State that should be displayed
N403	Postal Code	Cross-Dock Location Zip code that should be displayed
N404	Country Code	Cross-Dock Location Country code that should be displayed
N405	Location Qualifier	'CY' - County
N406	Location Identifier	Cross-Dock Location County
PER - Line-Item Cross-Dock Location Communications Contact (Optional)		
PER01	Contact Function Code	'BD' for Information Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number

PER04	Communication Number	10-digit phone number + up to 6-digit extension formatted as XXX-XXX-XXXX XXXXXX
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	Cross-Dock Location Email Address
PER07	Communication Number Qualifier	'NP' for Night Telephone Number
PER08	Communication Number	Cross-Dock Location contact number. 10-digit phone number + up to 6-digit extension formatted as XXX-XXX-XXXX XXXXXX
N1 - Line-Item Gift-To Name (Optional)		
N101	Entity Identifier Code	'GIR' for Gift Recipient
N102	Name	Gift Recipient Name
N1 - Gift-From Name (Optional)		
N101	Entity Identifier Code	'BG' for Buying Party/Purchaser (Gift-From Name)
N102	Name	Gift-From Name
N1 - Line-Item Department (Optional)		
N101	Entity Identifier Code	'OH' for Other Department
N102	Name	Line-Item Department Name
N103	Identification Code Qualifier	ZZ
N104	Identification Code	Line-Item Department ID
N1 - Line-Item Merchandising Account (Optional)		
N101	Entity Identifier Code	'JF' for Buying Party/Purchaser
N102	Name	Line-Item Merchandising Account Name
N103	Identification Code Qualifier	ZZ
N104	Identification Code	Line-Item Merchandising Account ID
CTT - Transaction Totals (Mandatory)		
CTT01	Number of Line-Items	Total number of Line-Items in the transaction set.
SE - Transaction Set Trailer (Mandatory)		
SE01	Number of Included Segments	Number of segments in the transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match the value in ST02.

4.3 5010 – 850 Example Data

```
ISA*00*      *00*      *ZZ*DSCO
*ZZ*6116710000D6666*200316*2049*<*00501*000000005*0*P*>~
GS*PO*DSCO*6116710000D6666*20200316*2049*000000005*X*005010~
```

ST*850*0008~
BEG*00*SA*11150439**20200310*123456789~
CUR*BY*USD~
REF*IA*3286495~
REF*ZZ*CHANNEL*channel~
REF*ZZ*0*test_flag~
REF*ZZ*0*gift_wrap_flag~
REF*ZZ*123456*gift_receipt_id~
REF*BAF*333-3333-3333-3333-3333-3333*receipt_id~
REF*ZZ*62743363*dsko_order_id~
REF*ZZ*sending*dsko_order_status~
REF*ZZ*created*dsko_lifecycle~
REF*ZZ*1121113660*dsko_retailer_id~
REF*ZZ*Name*dsko_retailer_name~
REF*ZZ*111111277*dsko_supplier_id~
REF*ZZ*Supplier Test*dsko_supplier_name~
REF*ZZ*123*dsko_trading_partner_id~
REF*ZZ*Supplier Test*dsko_trading_partner_name~
REF*ZZ*456*dsko_trading_partner_parent_id~
REF*ZZ*2020-03-10T21:04:40+00:00*dsko_create_date~
REF*ZZ*2020-03-16T20:49:10+00:00*dsko_last_update_date~
REF*ZZ*VISA*payment_card_type_1~
REF*ZZ*1234*payment_card_last_four_1~
REF*ZZ*6*tax_percentage_1~
REF*ZZ*T1*tax_type_code_1~
REF*ZZ*5*coupon_amount_1~
REF*ZZ*15*coupon_percentage_1~
REF*ZZ*Generic*dsko_ship_carrier~
REF*ZZ*Ground*dsko_ship_method~
REF*ZZ*GCG*dsko_shipping_service_level_code~
REF*ZZ*Generic*retailer_ship_carrier~
REF*ZZ*Ground*retailer_ship_method~
REF*ZZ*GCG*retailer_shipping_service_level_code~

REF*ZZ*ABC*requested_warehouse_retailer_code~
REF*ZZ*Greensboro*requested_warehouse_dsco_id~
REF*ZZ*Greensboro*dsco_warehouse_code~
REF*ZZ*w5d9384bbc51f0131591956*dsco_warehouse_retailer_code~
REF*ZZ*w5d9384bbc51f0131591956*dsco_warehouse_dsco_id~
REF*ZZ*Greensboro*ship_warehouse_dsco_id~
REF*11*123*retailer_accounts_payable_id~
REF*AE*123*authorization_for_expense_number~
REF*IT*123*customer_membership_id~
REF*RE*123*release_number~
REF*5B*123*shipping_account_number~
REF*7U*123456*secondary_consumer_order_number~
REF*CO*5340845*consumer_order_number~
REF*SU*NOPACK*business_rule_code~
CHS*P2**1~
SAC*C*D230***1000~
SAC*C*ZZZZ***9999~
SAC*S*H151*****1~
DTM*ACK*20200311*2104~
DTM*175*20200312*2104~
DTM*038*20200314*2104~
DTM*003*20200315*2104~
DTM*004*20200310*2104~
DTM*074*20200317*2104~
DTM*996*20200317*2104~
DTM*006*20200317*2104~
TD5*Z*ZZ*UPS*ZZ*Ground**ZZ*UPCG~
TD4*OTD***Is a signature required for delivery?*N~
CTB*OR*MESSAGE~
TXI*CG*10.16*12.33*VE*QST****123455*TAX DESCRIPTION~
N9*L1*001*Additional Order Messages and Instructions~
MTX*MKN*MARKETING MESSAGE~
MTX*LAB*SHIP INSTRUCTIONS~

MTX*PKG*PACKING INSTRUCTIONS~
MTX*OTH*PACKING SLIP MESSAGE~
MTX*GPL*RETURNS MESSAGE~
MTX*INT*MESSAGE~
MTX*EAJ*GIFT MESSAGE~
N1*GIR*Gift Recipient Name~
N1*BY*Gift From Name~
N1*ST*SHIP_TO_FIRST_NAME SHIP_TO_LAST_NAME~
N2*SHIP TO ATTENTION*SHIP TO COMPANY~
N3*712 Eoiragzs Etdcff St.*Apt. 767~
N4*Aljngce*HI*92027*US~
REF*ZZ*SHIP STORE NUMBER*ship_store_number~
REF*ZZ*Residential*ship_address_type~
PER*OC**TE*888-555-6666*EM*test@dsco.io~
N1*BT*BILL_TO_FIRST_NAME BILL_TO_LAST_NAME~
N2*BILL TO ATTENTION*BILL TO COMPANY~
N3*612 Zgqqquako St.~
N4*Muqfe Cerqkaar*IN*04179*US~
REF*ZZ*Residential*ship_address_type~
PER*IC**TE*111-111-1111*EM*test@dsco.io~
PO1*0001*1*EA*5.5**SK*999999*PD*Pumpkin Spice Three Wick*EM*1044330358~
LIN*104433058*SK*999999*UP*123456789012*EN*1234567890123*UK*12345678901234*IB*1234
5678901234MG*123*BP*123456*CL*LINE-ITEM COLOR*IZ*LINE-ITEM SIZE*JA*0*B8*23456*CR*111-
1111-1111-1111-1111-1111-1111*FC*1*TW*LINE-ITEM BOGO INSTRUCTIONS~
CTP*GR*PUR*6.05~
CTP*GR*RTL*11~
CTP*GR*NET*5.82~
CTP*GR*STA*5.00~
PID*F*08***STYLE123~
PID*F*GEN***Sample Item Description~
PID*F*73***Red~
PID*F*74***Small~
PO4*****20*LB~

REF*ZZ*RETAILER ITEM ID 1*line_item_retailer_item_id_1~
REF*ZZ*RETAILER ITEM ID 2*line_item_retailer_item_id_2~
REF*ZZ*LINE-ITEM PERSONALIZATION*line_item_personalization~
REF*ZZ*6*line_item_tax_percentage_1~
REF*ZZ*T1*line_item_tax_type_code_1~
REF*ZZ*3*line_item_tax_percentage_2~
REF*ZZ*T2*line_item_tax_type_code_2~
REF*ZZ*123456*line_item_warehouse_retailer_code~
REF*ZZ*123456*line_item_warehouse_dsco_id~
REF*CO*2* line_item_consumer_line_number~
REF*CS*123456* line_item_secondary_receipt_id~
SAC*C*D230***500~
SAC*S*H151*****1~
SAC*S*F050*****LINE-ITEM PACKING SLIP MESSAGE~
DTM*010*20200314*2104~
N9*L1*002*Additional Order Messages and Instructions~
DTM*074*20200317*2104~
DTM*996*20200317*2104~
DTM*ACK*20200311*2104~
DTM*175*20200312*2104~
DTM*038*20200314*2104~
DTM*003*20200315*2104~
MTX*INT*LINE-ITEM SHIP INSTRUCTIONS~
MTX*PKG*LINE-ITEM PACKING INSTRUCTIONS~
MTX*GPL*LINE-ITEM RETURNS MESSAGE~
MTX*LIN*LINE-ITEM MESSAGE~
MTX*EAJ*LINE-ITEM GIFT MESSAGE~
MTX*COM*LINE-ITEM PERSONALIZATION~
N1*GIR*LINE-ITEM GIFT RECIPIENT NAME*ZZ*FRED JOHNSON~
N1*BY*LINE-ITEM GIFT-FROM NAME*ZZ*TED FREDSON~
N1*OH*LINE-ITEM DEPARTMENT NAME*ZZ*123456~
CTT*1~
SE*120*0008~

5.0 Purchase Order Estimated Ship Dates – EDI 855 (Optional)

The Purchase Order Estimated Ship Date originates with the Supplier, is sent to Rithum and then exported to the Retailer.

This document is used to set Estimated Ship Dates on orders. It does not provide the ability to reject or cancel orders. Please use the 870 if you need to cancel an order. Note that when 850s are exported to a Supplier system from the Dsco platform, it is automatically assumed as acknowledged in the Dsco platform.

Purpose: To provide an Estimated Ship Date (ESD) on orders.

5.1 855 Segment Hierarchy

Elements with a green background are Mandatory.
Elements with a blue background are Recommended.
Elements with a white background are Optional but may be required by your trading partner.
Elements with a grey background are only found on 855 exports, sourced from either Supplier items, original order data, account settings, or data generated by Rithum at the time of a given transaction.

Header

ISA	Interchange Header
GS	Group Header

Transaction

ST	Transaction Set Header
BAK	Beginning Segment for Purchase Order Acknowledgement
CUR	Currency
REF	Internal Trading Partner Number
REF	Dsco Order Lifecycle

N1	Name
N3	Address Information
N4	Geographic Location
PER	Communications Contact

Item Detail

PO1	BaseLine-Item Data
ACK	Line-item Acknowledgment

Trailer

SE	Transaction Set Trailer
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GE	Group Trailer
IEA	Interchange Trailer

5.2 855 Segment Specification

Element	Name	Comment
GS - Functional Group Header (Mandatory)		
GS01	Functional Identifier Code	'PR' for Purchase Order Acknowledgment (855)
ST - Transaction Set Header (Mandatory)		
ST01	Transaction Set Identifier Code	'855'
ST02	Transaction Set Control Number	Unique number that is incremented by 1 for each transaction set sent. (Maximum of 9 digits)
BAK - Beginning Segment for Purchase Order Acknowledgment (Mandatory)		
BAK01	Transaction Set Purpose Code	'00' Original
BAK02	Purchase Order Type Code	'AD' for Acknowledge - With Detail/No Changes

BAK03	Purchase Order Number	Purchase Order Number
BAK04	Date	Transaction Date in format (CCYYMMDD)
CUR - Currency (Optional)		
CUR01	Entity Identifier Code	'BY' for Buying Party
CUR02	Currency Code	'USD'
REF - Internal Trading Partner Number (Optional)		
REF01	Reference Identification Qualifier	'IA' for Internal Trading Partner Number
REF02	Reference Identification	Trading Partner ID is used as the first priority, otherwise the Supplier account ID will be utilized.
REF - Dsco Order Lifecycle (Optional)		
REF01	Reference Identification Qualifier	'ZZ' - Mutually Defined
REF02	Reference Identification	The status of the order within the Dsco lifecycle. Possible Value are: received - Order received by Rithum created - Order ready for Supplier to process acknowledged - The Supplier has received the order completed - The Supplier has taken all necessary actions on the order
REF03	Description	'dsco_lifecycle'
N1 - Name (Optional)		
N101	Entity Identifier Code	'ST' for Ship-To
N102	Name	Customer name that should be displayed on the package address label and packing slip.
N3 - Address Information (Optional)		
N301	Address Information	First address line of Ship-To that should be displayed on the package address label and packing slip.
N302	Address Information	Second address line of Ship-To that should be displayed on the package address label and packing slip.

N4 - Geographic Locations (Optional)		
N401	City Name	Ship-To City that should be displayed on the package address label and packing slip.
N402	State Code	Ship-To State that should be displayed on the package address label and packing slip.
N403	Postal Code	Ship-To Zip code excluding punctuation (hyphens) and blanks. Should be displayed on the package address label and packing slip.
N404	Country Code	Ship-To Country code. Should be displayed on the package address label and packing slip.
PER - Communications Contact (Optional)		
PER01	Contact Function Code	'IC' for Individual Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone Number
PER04	Communication Number	10-digit phone number + up to 6-digit extension formatted as (XXX)XXX-XXXX XXXXXX
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	Ship-to Email Address
PO1 - BaseLine-Item Data (Mandatory)		
PO101	Assigned Identification	Line-Item number on the PO.
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 <i>Attention: The decimal place must be included.</i>
PO105	empty	empty
PO106	Product ID Qualifier	'SK' for SKU

PO107	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required. If a SKU is not available you may duplicate the UPC or EAN to this field.
PO108	Product ID Qualifier	'UP' for UPC Qualifier - Empty if no UPC is available.
PO109	Product ID	The Universal Product Code (UPC).
PO110	Product ID Qualifier	'EN' for EAN Qualifier - Empty if no EAN is available.
PO111	Product ID	The European Article Number (EAN).
PO112	Product ID Qualifier	'MG' for Manufacturer's Part Number (MPN) Qualifier - Empty if no MPN is available.
PO113	Product ID	The Manufacturer's Part Number (MPN).
PO114	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no dsco_item_id is available.
PO115	Product ID	dsco_item_id - The item_id assigned by Rithum for the given SKU.
PO116	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no line_item_title is available.
PO117	Product ID	line_item_title - The title of the SKU being ordered. If the option to create unknown SKUs is enabled, this title will be used as the new SKUs title.
PO118	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no line_item_consumer_price is available.
PO119	Product ID	line_item_consumer_price - The price that the retailer charged their customer for the given SKU. Format: 9999.99
PO120	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no line_item_personalization is available.
PO121	Product ID	line_item_personalization - Instructions for personalization.
PO122	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no line_item_warehouse_code is available.
PO123	Product ID	line_item_warehouse_code
PO124	Product ID Qualifier	'ZZ' for Mutually Defined - Empty if no retailer_item_identifier is available.

PO125	Product ID	Retailer Item Identifier * If provided by the retailer, this will be used to determine the item being ordered in lieu of the SKU. Supplier 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	Basis for Measurement Code	'EA' for Each
ACK04	Date/Time Qualifier	'369' for Estimated Departure Date
ACK05	Estimated Ship Date	Estimated Ship Date in format CCYYMMDD
ACK06	empty	empty
ACK07	Product ID Qualifier	'SK' for SKU
ACK08	Product ID	The SKU of the Line-Item.
CTT - Transaction Totals (Mandatory)		
CTT01	Number of Line-Items	Total number of Line-Items in the transaction set.
SE - Transaction Set Trailer (Mandatory)		
SE01	Number of Included Segments	Number of segments in the transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match the value in ST02.

5.3 EDI 855 Example Data

Simple 855 Example - Whole order

```

ISA*00*      *00*      *ZZ*DSCO
*ZZ*6116710000D6666*200316*2049* <*00501*000000005*0*P*>~
GS*PR*DSCO*6116710000D6666*20200316*2049*000000005*X*005010~
ST*855*0008~
BAK*00*AD*11150439*20200310*~
CUR*BY*USD~

```

REF*IA*3286495~
PO1*0001*1*EA*5.5SK*999999*PD*Pumpkin Spice Three Wick*EM*1044330358~**
ACK*IB*1*EA*369*20210309SK*999999~**
CTT*1~
SE*8*0008~
GE*1*000000005~
IEA*1*000000005~

6.O Advance Ship Notice – EDI 856

The Advance Ship Notice (also called the “ASN” or “Ship Confirm”) transaction originates with the Supplier, is sent to Rithum, and then exported to the Retailer via their automated integration.

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.

6.1 856 Segment Hierarchy

Elements with a green background are Mandatory.
Elements with a blue background are Recommended.
Elements with a white background are Optional but may be required by your trading partner.
Elements with a grey background are only found on 856 exports, sourced from either Supplier items, original order data, account settings, or data generated by Rithum at the time of a given transaction.

Header

ISA	Interchange Header
GS	Group Header

Transaction

ST	Transaction Set Header
BSN	Beginning Segment for Ship Notice

Shipment Detail

HL	Shipment Hierarchical Level
TD1	Package Details
TD5	Carrier Details
REF	Internal Trading Partner Number
MAN	Carrier-Assigned Package ID Number
REF	Package Tracking Number
REF	Package Warehouse Code
REF	Vendor Invoice Number
MAN	Package SSCC-Barcode
DTM	Ship Date-Time
CUR	Currency
SAC	Package Ship Cost
SAC	Balance Due

Order Detail

HL	Order Hierarchical Level
PRF	Purchase Order Reference
REF	Consumer Order Number
REF	Vendor's Order Number
REF	Dsco Order Lifecycle
REF	Vendor assigned invoice Number
DTM	Expected Delivery Date/Time Reference
DTM	Required Delivery Date/Time Reference
N1	Ship-To Name
N2	Ship-To Company/Attention
N3	Ship-To Address Information

N4	Ship-To Geographic Location
REF	Ship-To Store Number
REF	Ship-To Address Type
PER	Ship-To Communications Contact
N1	Ship-From Name
N2	Ship-From Company/Attention
N3	Ship-From Address Information
N4	Ship-From Geographic Location
REF	Ship-From Location Code
REF	Ship-From Address Type
REF	Ship-From Tax Exempt Number
REF	Ship-From Tax Registration Number
PER	Ship-From Communications Contact

Line-Item Detail

HL	Item Hierarchical Level
LIN	Item Identification
SN1	Shipment Item Detail

Trailer

CTT	Number of Line-Items
SE	Transaction Set Trailer

GE	Group Trailer
IEA	Interchange Trailer

6.2 856 Segment Specification

Element	Name	Comment
GS - Functional Group Header (Mandatory)		
GS01	Functional Identifier Code	'SH' for Ship Notice/Manifest (856)
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 in Format: CCYYMMDD
BSN04	Time	Time in Format: HHMM
BSN05	Hierarchical Structure Code	'0004' for Shipment, Order, Item
HL - Shipment Hierarchical Level (Mandatory)		
HL01	Hierarchical ID Number	'1'
HL02	Hierarchical Parent ID Number	'0'
HL03	Hierarchical Level Code	'S' for Shipment
TD1 - Package Details (Mandatory)		
TD101- TD105	empty	empty
TD106	Weight Qualifier	'G' - Gross shipping weight
TD107	Shipment/Package Weight	Shipment weight, numeric values only, must include decimal
TD108	Shipment Weight Units	Shipment weight units. Possible Values are: 'LB' - Pounds 'G' - Grams 'KG' - Kilogram 'OZ' - Ounces

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 Possible Values are: 'A' for Air 'J' for Motor 'R' for Rail 'S' for Ocean/Ship
TD505	Code	Ship Method - Examples: Ground, SmartPost, Overnight
TD506	empty	empty
TD507	Location Qualifier	'ZZ' for Mutually Defined
TD508	Location Identifier	Shipping Service Level Code Available service codes can be found in the Ship Mapping settings of your Dsco platform Portal.
REF - Internal Trading Partner Number (Optional)		
REF01	Reference Identification Qualifier	'IA' for Internal Trading Partner Number
REF02	Reference Identification	Trading Partner ID assigned by the retailer is used as the first priority, otherwise the Supplier account ID will be utilized.
REF - Package Tracking Number (Mandatory)		
REF01	Reference Qualifier	Possible options are: 'CN' for Carrier's Tracking Number 'BM' for Bill of Lading Number This value will be mapped to Package Reference Number Qualifier.
REF02	Reference Identification	Package Tracking Number as provided by the Carrier
REF03	Description	Untracked Identifier. If carrier does not provide tracking number mark this field as "1", else "0" or not used.

MAN - Carrier-Assigned Package ID Number (Optional)		
MAN01	Reference Qualifier	'CP' for Carrier's Package ID Number
MAN02	Reference Identification	Carrier's Package ID Number. If both REF*CN and MAN*CP are given, REF*CN must appear first to post to the tracking number field on a shipment.
REF - Package Warehouse Code (Recommended)		
REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Package Warehouse Code
REF03	Description	'package_warehouse_code'
REF - Line-Item Package Span Flag (Optional)		
REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Used in conjunction with item-level fill/kill policies set by a retailer, to identify that multiple different tracking Numbers/shipments will contain this item by using the values of "1" or "true"
REF03	Description	'line_item_package_span_flag'
REF - Package Unit Of Measurement Code (Optional)		
REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The unit of measurement code. Typically 'EA' for 'Each'. 'PR' for 'Pair' is also acceptable.
REF03	Description	'package_unit_of_measurement_code'
REF - Package Carrier Manifest ID (Optional)		
REF01	Reference Qualifier	'MA' for Mutually Defined
REF02	Reference Identification	The Package Carrier Manifest ID - Used with LTL shipments.
REF03	Description	'package_carrier_manifest_id'
REF - Package Transportation Method Code (Optional)		
REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The transportation method code assigned by the carrier for the shipped package. Possible values include: 'A' for Air, 'J' for Motor,

		'R' for Rail, 'S' for Ocean/Ship. Sometimes mapped as TD504.
REF03	Description	'package_transportation_method_code'
MAN - Package SSCC Barcode (Conditional)		
MAN01	Reference Qualifier	'GM' for SSCC-Barcode
MAN02	Reference Identification	SSCC-Barcode
DTM - Ship Date/Time (Mandatory)		
DTM01	Date/Time Qualifier	'011' for Shipped Date
DTM02	Date	Date Shipped in format CCYYMMDD
DTM03	Time	Time Shipped in format HHMM
CUR - Currency (Optional)		
CUR01	Entity Identifier Code	'BY' for Buying Party
CUR02	Currency Code	'USD'
SAC - Package Ship Cost (Conditional)		
SAC01	Allowance or Charge	'C' for Charge
SAC02	Charge Code	'G821' for Shipping
SAC03	empty	empty
SAC04	empty	empty
SAC05	Amount	Package Ship Cost/Freight Amount Format: 999.99 <i>Attention: The decimal place must be included.</i>
SAC - Balance Due (Optional)		
SAC01	Allowance or Charge	'C' for Charge
SAC02	Charge Code	'I132' for Balance Due
SAC03	empty	empty
SAC04	empty	empty

SAC05	Amount	Balance Due. Format: 999.99. <i>Attention: The decimal place must be included.</i>
HL - Order Hierarchical Level (Mandatory)		
HL01	Hierarchical ID Number	A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. For example: '2'
HL02	Hierarchical Parent ID Number	Identification number of the next hierarchical data segment that the data segment being described is subordinate to. For example: '1' (Parent is the shipment hierarchy)
HL03	Hierarchical Level Code	'O' for Order
PRF - Purchase Order Reference (Mandatory)		
PRF01	Purchase Order Number	PO number (as found in the BEG segment of the 850 transaction)
REF - SupplierOrder Number (Optional)		
REF01	Reference Identification Qualifier	'VN' for SupplierOrder Number
REF02	Reference Identification	SupplierOrder Number
REF - Vendor Assigned Invoice Number		
REF01	Reference Identification Qualifier	'IV' for Invoice Number
REF02	Reference Identification	The vendor assigned invoice number.
N1 - Ship-To Name (Optional)		
N101	Entity Identifier Code	'ST' for Ship-To
N102	Name	Ship-To name that is displayed on the package address label and packing slip.
N2 - Ship-To Company/Attention (Optional)		
N201	Name	Ship-To Company
N202	Name	Ship-To Attention
N3 - Ship-To Address Information (Optional)		
N301	Address Information	First address line of Ship-To that is displayed on the package address label and packing slip.

N302	Address Information	Second address line of Ship-To that is 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 is displayed on the package address label and packing slip.
N403	Postal Code	Ship-To Zip code excluding punctuation (hyphens) and blanks. As displayed on the package address label and packing slip.
N404	Country Code	Ship-To Country code. As displayed on the package address label and packing slip.
REF - Ship-To Address Type (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The address type of the bill-to address. Is it 'Residential' or 'Commercial'?
REF03	Description	'ship_to_address_type'
PER - Ship-To Communications Contact (Optional)		
PER01	Contact Function Code	'IC' for Order Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone
PER04	Communication Number	Ship-To Phone Number
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	Ship-To Email Address
N1 - Ship-From Name (Optional) - Supplier should include if you will be sending ship_from_location_code		
N101	Entity Identifier Code	'SF' for Ship-From
N102	Name	Supplier name that is displayed on the package address label and packing slip.

N103	Identification Code Qualifier	'92' for Assigned by Buyer
N104	Identification Code	The warehouse code the package was shipped from. This should match the available warehouse codes the Supplier has set up within their Dsco account. Used with REF*LU
N2 - Ship-From Company/Attention (Optional)		
N201	Name	Ship-From Company
N202	Name	Ship-From Attention
N3 - Ship- From Address Information (Optional)		
N301	Address Information	First address line of Ship-From that is displayed on the package address label and packing slip.
N302	Address Information	Second address line of Ship-From that is displayed on the package address label and packing slip.
N4 - Ship- From Geographic Locations (Optional)		
N401	City Name	Ship-From City that should be displayed on the package address label and packing slip.
N402	State Code	Ship-From State that is displayed on the package address label and packing slip.
N403	Postal Code	Ship-From Zip code excluding punctuation (hyphens) and blanks. As displayed on the package address label and packing slip.
N404	Country Code	Ship-From Country code. As displayed on the package address label and packing slip.
REF - Ship-From Location Code		
REF01	Reference Identification Qualifier	'LU' for Ship-From Location Code
REF02	Reference Identification	The warehouse code the package was shipped from. This should match the available warehouse codes the Supplier has set up within their Dsco account.
REF - Ship-From Address Type (Optional) - Only included on exports		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The address type of the ship-from address. Is it 'Residential' or 'Commercial'?

REF03	Description	'ship_from_address_type'
REF - Ship-From Tax Exempt Number (Optional) - Only included on imports		
REF01	Reference Identification Qualifier	'TX' for Tax Exempt Number
REF03	Description	Tax Exempt Number
REF - Ship-From Tax Registration Number (Optional) - Only included on imports		
REF01	Reference Identification Qualifier	'GT' for Tax Registration Number
REF03	Description	Tax Registration Number
PER - Ship-From Communications Contact (Optional) - Only included on exports		
PER01	Contact Function Code	'IC' for Order Contact
PER02	empty	empty
PER03	Communication Number Qualifier	'TE' for Telephone
PER04	Communication Number	Ship From Phone Number
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	Ship From Email Address
HL - Item Hierarchical Level (Mandatory)		
HL01	Hierarchical ID Number	A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. For example: '3'
HL02	Hierarchical Parent ID Number	Identification number of the next hierarchical data segment that the data segment being described is subordinate to. For example: '2' (Parent in the order hierarchy)
HL03	Hierarchical Level Code	'I' for Item
LIN - Line-Item Identification (Mandatory)		
LIN01	Assigned ID	Line-Item number on the PO. *Required when two or more Line-Items on the order have the same-SKU
LIN02	Product ID Qualifier	'SK' for SKU

LIN03	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required. If a SKU is not available you may duplicate the UPC or EAN to this field.
LIN04	Product ID Qualifier	'UP' for UPC 'EN' for EAN 'MG' for Manufacturer's Part Number (MPN) 'IB' for International Standard Book Number (ISBN) 'UK' for Global Trade Number (GTIN) 'BP' for Partner SKU 'CB' for Retailer Item Identifier 'EM' for Dsco Item ID 'SN' for Serial Numbers
LIN05	Product ID	<ul style="list-style-type: none"> • When the Qualifier is 'UP': Universal Product Code (UPC) • When the Qualifier is 'EN': European Article Number (EAN) • When the Qualifier is 'IB': International Standard Book Number (ISBN) • When the Qualifier is 'UK': Global Trade Number (GTIN) • When the Qualifier is 'BP': Partner SKU • When the Qualifier is 'CB': Retailer Item Identifier • When the Qualifier is 'EM': Dsco Item ID • When the Qualifier is 'SN': Multiple Serial Numbers are '^'^ separated rather than commas in this field.
SN1 - Shipment Item Detail (Mandatory)		
SN101	empty	empty
SN102	Number of Unit Shipped	Number of units shipped
SN103	Unit or Basis for Measurement	'EA' for Each
CTT - Transaction Totals (Mandatory)		
CTT01	Number of Line-Items	Total number of Line-Items in the transaction set.
SE - Transaction Set Trailer (Mandatory)		
SE01	Number of Included Segments	Number of segments in the transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match the value in ST02.

6.3 Example 856 Data

Simple 856 - Single shipment for whole order

ISA*00* *00* *ZZ*6116710000D6666*ZZ*DSCO
*200316*2049*<*00501*000000005*0*P*>~
GS*SH*6116710000D6666*DSCO*20200313*1724*2*X*004010VICS~
ST*856*000020001~
BSN*00*000000002*20200313*173020*0004~
HL*1**S~
TD1*****G*5.1*LB~
TD5*Z*ZZ*UPS*ZZ*Ground**ZZ*UPCG~
REF*IA*3286495~
MAN*CP*192823338493489444~
REF*CN*1Z12345F67890~
REF*ZZ*123456789*package_warehouse_code~
REF*ZZ*EA*package_unit_of_measurement_code~
REF*MA*456789*package_carrier_manifest_id~
DTM*011*20200313~
CUR*BY*USD~
SAC*C*G821***7.89~
HL*2*1*O~
PRF*11150439~
REF*VN*ST01173~
REF*CO*88473803618457~
REF*TX**123456789
REF*GT**1234567890
HL*3*2*I~
LIN*0001*SK*999999~
SN1**2*EA~
HL*4*2*I~
LIN*0002*SK*98989898~
SN1**3*EA~
SE*25*000020001~
GE*1*2~
IEA*1*000000005~

Complex 856 Example - Different Line-items in Multiple Packages

Note: *To split units of a single line-item across different packages, repeat LIN01 in each package*

ISA*00* *00* *12*19289382 *ZZ*DSCO *180328*1703*U*00401*003291000*0*P*>~
GS*SH*8009736091*DSCO*20180328*1703*3291100*X*004010VICS~
ST*856*3291101~
BSN*00*411025*20180328*170100*0004~
HL*1**S~

TD5*Z*ZZ*UPS*ZZ*Ground**ZZ*UPCG~
REF*CN*[Tracking Number 1 Here]~
DTM*011*20180328~
REF*ZZ*[ship-from warehouse code here]*package_warehouse_code~
HL*2*1*O!
PRF*[PO# in Dsco application here]~
HL*3*2*I~
LIN*000001*SK*SKU123454*UP*112233445566~
SN1**1*EA~
HL*1**S~
TD5*Z*ZZ*UPS*ZZ*Ground**ZZ*UPCG~
REF*CN*[Tracking Number 2 Here]~
DTM*011*20180328~
REF*ZZ*[ship-from warehouse code here]*package_warehouse_code~
HL*2*1*O~
PRF*[Same PO# here]~
HL*3*2*I~
LIN*000001*SK*SKU123454*UP*112233445566~
SN1**10*EA~
SE*22*3291101~
GE*1*3291100~
IEA*1*003291000~

7.0 Order Cancel – EDI 870

The Order Cancel transaction originates with the Supplier, is sent to Rithum, and then exported to the Retailer via their automated integration.

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).

7.1 870 Segment Hierarchy

Elements with a green background are Mandatory.
Elements with a blue background are Recommended.
Elements with a white background are Optional but may be required by your trading partner.
Elements with a grey background are only found on 870 exports, sourced from either Supplier items, original order data, account settings, or data generated by Rithum at the time of a given transaction.

Header

ISA	Interchange Header
GS	Group Header

Transaction

ST	Transaction Set Header
BSR	Beginning Segment for Order Status Report

Order Detail

HL	Order Hierarchical Level
PRF	Purchase Order Reference
REF	Internal Trading Partner Number
REF	Vendor's Order Number
REF	Order Cancel Reason

Line-item Detail

HL	Line-Item Hierarchical Level
PO1	BaseLine-Item Data
SLN	Item Original Order Quantity
ISR	Item Status Report

Trailer

CTT	Number of Line-Items
SE	Transaction Set Trailer

GE	Group Trailer
IEA	Interchange Trailer

7.2 870 Segment Specification

Element	Name	Comment
GS - Functional Group Header (Mandatory)		
GS01	Functional Identifier Code	'RS' for Order Status Information (870)
ST - Transaction Set Header (Mandatory)		
ST01	Transaction Set Identifier Code	'870'
ST02	Transaction Set Control Number	Unique number that is incremented by 1 for each transaction set sent. (Maximum of 9 digits)
BSR - Beginning Segment for Order Status Report (Mandatory)		
BSR01	Status Report Code	'2' - Prearranged Schedule
BSR02	Order/Item Code	'PP' - Selected Orders - Selected Items
BSR03	Reference Identification	Vendor's reference number
BSR04	Date	Date (CCYYMMDD format)
HL - Order Hierarchical Level (Mandatory)		
HL01	Hierarchical ID Number	'1' for the first order then sequential for each subsequent HL segment.
HL02	Parent Hierarchical ID Number	'0'
HL03	Hierarchical Level Code	'O' for Order
PRF - Purchase Order Reference (Mandatory)		

PRF01	Purchase Order Number	PO Number of the order being cancelled.
REF - Internal Trading Partner Number (Optional)		
REF01	Reference Identification Qualifier	'IA' Internal Trading Partner Number
REF02	Reference Identification	Trading Partner ID defined by the retailer is used as the first priority, otherwise the Supplier account ID will be utilized
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 - Order Cancel Reason (Recommended)		
REF01	Reference Identification Qualifier	'TD' for Reason for Change
REF02	Reference Identification	The cancellation reason for the order assigned by the Supplier. For example: 'Out of stock'
REF03	Description	'order_cancel_reason'
HL - Line-Item Hierarchical Level (Mandatory)		
HL01	Hierarchical ID Number	A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. For example: '2'
HL02	Hierarchical Parent ID	Identification number of the next hierarchical data segment that the data segment being described is subordinate to. For example: '1' (Parent is the order hierarchy)
HL03	Hierarchical Level Code	'I' - Item
PO1 - BaseLine-Item Data (Mandatory)		
PO101	Assigned Identification	Line-Item number on the PO. *Required when two or more Line-Items with the same-SKU
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

		<i>Attention: The decimal place must be included.</i>
PO105	empty	empty
PO106	Product ID Qualifier	'SK' for SKU
PO107	Product ID	The SKU of the item. A limit of 70 characters is enforced. A SKU is required.
PO108	Product ID Qualifier	'UP' for UPC 'EN' for EAN 'MG' for Manufacturer's Part Number (MPN) 'IB' for International Standard Book Number (ISBN) 'UK' for Global Trade Number (GTIN) 'BP' for Partner SKU 'CB' for Retailer Item Identifier 'EM' for Dsco Item ID 'E6' for Cancel Reason in Text Form
PO109	Product ID	<ul style="list-style-type: none"> • When the Qualifier is 'UP': Universal Product Code (UPC) • When the Qualifier is 'EN': European Article Number (EAN) • When the Qualifier is 'IB': International Standard Book Number (ISBN) • When the Qualifier is 'UK': Global Trade Number (GTIN) • When the Qualifier is 'BP': Partner SKU • When the Qualifier is 'CB': Retailer Item Identifier • When the Qualifier is 'EM': Dsco Item ID • When the Qualifier is 'E6': Cancel Reason in Text Form
SLN - Line-Item Original Quantity (Recommended)		
SLN01-SLN02	empty	empty
SLN03	Relationship Code	'O' = Information Only
SLN04	Quantity	'line_item_original_order_quantity'
ISR - Item Status Report (Mandatory)		
ISR01	Order Status Code	'IC' for Item Cancelled. This is the only acceptable code.
ISR02	Date	Cancellation date CCYYMMDD

ISR03	Status Reason Code	<p>Possible Values are:</p> <p>W01 - Out of Stock W13 - Not Enough Stock A83 - Discontinued Item A03 - Incorrect Address 051 - Invalid Ship Instructions D50 - Can't Ship on Time ABN - Cancelled at Retailer Request A13 - Other A80 - Bad Sku A05 - Cannot ship to country A06 - Cannot ship to PO box A82 - Cannot ship USPS D01 - Carrier does not service delivery location A07 - Customer refused delivery D30 - Duplicate order SOW - Invalid method of shipment UCD - Invalid UOM IV1 - Item Recall MIN - Minimum order not met W05 - Order entry error B14 - Order info missing POA - Preorder cancellation 030 - Fraud RUN - To close order and allow reissue A58 - Unable to contact recipient</p> <p>Please check your Cancel Code Mapping settings in the Dsco platform Portal to see your retailer's accepted cancellation reason codes.</p>
CTT - Transaction Totals (Optional)		
CTT01	Number of Line-Items	Total number of Line-Items in the transaction set.
SE - Transaction Set Trailer (Mandatory)		
SE01	Number of Included Segments	Number of segments in the transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match the value in ST02.

7.3 870 Example Data

ISA*00* *00* *ZZ*6116710000D6666*ZZ*DSCO
 *200316*2049* < *00501*000000002*0*P*> ~

GS*RS*6116710000D6666*DSCO*20200313*1724*2*X*004010VICS~
 ST*870*000020001~
 BSR*2*PP*789123456*20200313~
 HL*1*0*O~
 PRF*11150439~
 REF*IA*3286495~
 REF*VN*ST01173~
 REF*TD*[reason for cancelling]*order_cancel_reason~
 HL*2*1*I~
 PO1**3*EA*5.5**SK*98989898~
 ISR*IC**W01~
 HL*3*1*I~
 PO1**1*EA*5.5**SK*999999~
 ISR*IC**W01~
 SE*14*000020001~
 GE*1*2~
 IEA*1*000000002~

8.0 Order Invoice – EDI 810

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

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

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

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

Payment terms are set between the Retailer and Supplier. Rithum 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.

8.1 810 Segment Hierarchy

Elements with a green background are Mandatory.

Elements with a blue background are Recommended.

Elements with a white background are Optional but may be required by your trading partner.

Elements with a grey background are only found on 810 exports, sourced from either Supplier items, original order data, account settings, or data generated by Rithum at the time of a given transaction.

Header

ISA	Interchange Header
GS	Group Header

Transaction

ST	Transaction Set Header
BIG	Beginning Segment for Invoice
CUR	Currency
REF	Seller's Invoice Number
REF	Invoice Seller ID
REF	Invoice Buyer ID
REF	Supplier Order Number
REF	Consumer Order Number
REF	External Batch ID
REF	Ship Tracking Number
REF	SSCC-Barcode
REF	Ship Carrier
REF	Ship Method
REF	Shipping Service Level Code
REF	Ship Transportation Method Code
REF	Ship Carrier Manifest ID
DTM	Ship Date
REF	Ship Unit Of Measurement Code

REF	Dsco Package ID
REF	Invoice Subtotal Excluding Line-Items
REF	Invoice Line-Items Subtotal
REF	Invoice Charge Title 1-X (X can be 1-99)
REF	Invoice Charge Amount 1-X (X can be 1-99)
REF	Dsco Expected Order Total Amount
REF	Dsco Expected Order Total Difference
REF	Dsco Invoice ID
REF	Dsco Invoice Create Date
REF	Dsco Invoice Last Update Date
N1	Ship-To Name
N2	Ship-To Company/Attention
N3	Ship-To Address
N4	Ship-To Geographic Locations
REF	Ship-To Store Number
REF	Ship-To Address Type
PER	Ship-To Communications Contact
N1	Ship-From Name
N2	Ship-From Company/Attention
N3	Ship-From Address
N4	Ship-From Geographic Locations
REF	Ship-From Location Code
REF	Ship-From Address Type
PER	Ship-From Communications Contact
ITD	Terms of Sale

DTM	Ship Date/Time Reference
PID	FLSA Compliance Flag

Line-Item Detail

IT1	BaseLine-Item Detail
PID	Line-Item Carb Formaldehyde Compliance Code
REF	Line-Item Extended Amount
REF	Line-Item Handling Amount
REF	Line-Item Ship Amount
REF	Line-Item Ship Tracking Number
REF	Line-Item SSCC-Barcode
REF	Line-Item Ship Carrier
REF	Line-Item Ship Method
REF	Line-Item Shipping Service Level Code
REF	Line-Item Ship Transportation Method Code
REF	Line-Item Ship Unit Of Measurement Code
REF	Line-Item Ship Carrier Manifest ID
REF	Line-Item Promotion Reference
REF	Line-Item Promotion Amount
REF	Line-Item Tax Amount
REF	Line-Item Subtotal
REF	Dsco Expected Line-Item Amount
REF	Dsco Expected Line-Item Difference
REF	Line-Item Warehouse Code
REF	Line-Item Warehouse Dsco ID
REF	Line-Item Commission Percentage

REF	Line-Item MSRP
REF	Line-Item Ship Weight
REF	Line-Item Ship Weight Units
REF	Line-Item Carb Certifier ID
DTM	Line-Item Ship Date
SAC	Line-Item Taxable Amount of Sale
SAC	Line-Item Amount of Sales Tax Collected
TXI	Taxes Added
SLN	Line-Item Original Order Quantity

Invoice Summary

TDS	Total Monetary Value Summary
AMT	Handling Charge Amount
AMT	Sales Tax Amount
SAC	Invoice Freight Amount
SAC	Taxable Amount of Sale
SAC	Amount of Sales Tax Collected
SAC	Amount of Credits
TXI	Taxes
ISS	Invoice Shipment Summary

Trailer

CTT	Transaction Set Totals
SE	Transaction Set Trailer

GE	Group Trailer
IEA	Interchange Trailer

8.2 810 Segment Specification

Element	Name	Comment
GS - Functional Group Header (Mandatory)		
GS01	Functional Identifier Code	'IN' for Invoice Information (810)
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
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 Trading Partner Number (Optional)		
REF01	Reference Number Qualifier	'IA' - Internal Trading Partner Number
REF02	Reference Number	Trading Partner ID as defined by the retailer is used as the first priority, otherwise the Supplier account ID will be utilized.
REF - Seller's Invoice Number (Recommended)		
REF01	Reference Number Qualifier	'IV' for Seller's Invoice Number
REF02	Reference Number	Vendor's Packing Slip Number, Picking Ticket Number or Control Number.

REF - Invoice Seller ID (Optional)		
REF01	Reference Number Qualifier	'VR' for Vendor ID
REF02	Reference Number	Account ID assigned by the retailer for the Supplier in which the order was sent to.
REF03	Description	'invoice_seller_id'
REF - Invoice Buyer ID (Optional)		
REF01	Reference Number Qualifier	'YD' for Buyer Identification
REF02	Reference Number	Account ID assigned by the Supplier for the retailer that sent the order.
REF03	Description	'invoice_buyer_id'
REF - SupplierOrder Number (Optional)		
REF01	Reference Number Qualifier	'IL' for Internal Order Number
REF02	Reference Number	Unique order identifier as provided by the Supplier.
REF03	Description	'Supplier_order_number'
REF - External Batch ID (Optional)		
REF01	Reference Number Qualifier	'ZZ' for Mutually Defined
REF02	Reference Number	Identifier of the batch that included this update. Usually the group number of an EDI transaction.
REF03	Description	'external_batch_id'
REF - Ship Tracking Number (Conditional)		
REF01	Reference Qualifier	Values include: 'BM' for Bill of Lading Number 'CN' for Carrier's Reference Number
REF02	Reference Identification	Ship Tracking Number
REF - Ship SSCC-Barcode (Conditional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The SSCC-Barcode generated for the ship-to-store label.

REF03	Description	'ship_sccc_barcode'
REF - Ship Carrier (Conditional)		
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 (Conditional)		
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 (Conditional)		
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 value that is agreed to between the Supplier and Retailer. Available service codes can be found in the Ship Mapping settings of your Dsco platform Portal.
REF03	Description	'shipping_service_level_code'
REF - Ship Transportation Method Code (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The transportation method code assigned by the carrier for the shipped package. Values include: 'A' for Air 'J' for Motor 'R' for Rail 'S' for Ocean/Ship

REF03	Description	'ship_transportation_method_code'
REF - Ship Carrier Manifest ID (Optional)		
REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Ship Carrier Manifest ID - Used with LTL shipments.
REF03	Description	'ship_carrier_manifest_id'
REF - Ship Unit Of Measurement Code (Optional)		
REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The unit of measurement code. Typically, 'EA' for 'Each'. 'PR' for 'Pair' is also acceptable.
REF03	Description	'ship_unit_of_measurement_code'
REF - Invoice Subtotal Excluding Line-Items (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The sum of the following fields: invoice_handling_amount invoice_freight_amount invoice_sales_tax_amount. Format: 999.99 <i>Attention: The decimal place must be included.</i>
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 <i>Attention: The decimal place must be included.</i>
REF03	Description	'invoice_line_items_subtotal'

REF - Invoice Charge Title (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Provide a short explanation of any extra charges that cannot be specified within other fields. This is an invoice level charge.
REF03	Description	'invoice_charge_title_x' (x can be 1 through 99)
REF - Invoice Charge Amount (Optional)		
REF01	Reference Identification Qualifier	'22' for Special Charge or Allowance Code
REF02	Reference Identification	The amount being charged for invoice_charge_title_x. Format: 999.99 <i>Attention: The decimal place must be included.</i>
REF03	Description	'invoice_charge_amount_x' (x can be 1 through 99)
REF - Dsco Expected Order Total Amount (Included on invoice exports, generated by Rithum based on line-item data)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The total amount that was calculated using information pulled from the Dsco order. Format: 999.99 <i>Attention: The decimal place must be included.</i>
REF03	Description	'dsco_expected_order_total_amount'
REF - Dsco Expected Order Total Difference (Included in invoice exports, generated by Rithum based on line-item data)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The difference between dsco_expected_order_total_amount and invoice_total_amount. This does not necessarily indicate a problem, only that we detected that there may be a difference between what Dsco thought the order total should be and what the Supplier indicated the total was for this invoice.

		Format: 999.99 <i>Attention: The decimal place must be included.</i>
REF03	Description	'dsc0_expected_order_total_difference'
REF - Dsc0 Invoice Identifier (Included on invoice exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Invoice ID assigned by Rithum for the given Invoice.
REF03	Description	'dsc0_invoice_id'
REF - Dsc0 Invoice Status (Included on invoice exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The status of the invoice assigned by Rithum.
REF03	Description	'dsc0_invoice_status'
REF - Dsc0 Invoice Create Date (Included on invoice exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date that the invoice was originally created within Dsc0. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsc0_invoice_create_date'
REF - Dsc0 Invoice Last Update Date (Included on invoice exports, generated by Rithum)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The date the invoice was last updated. ISO 8601 timestamp in format: YYYY-MM-DDTHH:MM:SS±HH:MM
REF03	Description	'dsc0_invoice_last_update_date'
N1 - Ship-To Name (Optional)		
N101	Entity Identifier Code	'ST' for Ship-To

N102	Name	The customer name that should be displayed on the package address label and packing slip.
N2 - Ship-To Company/Attention (Optional)		
N201	Name	Ship-To Company
N202	Name	Ship-To Attention
N3 - Ship-To Address Information (Optional)		
N301	Address Information	First address line of Ship-To that should be displayed on the package address label and packing slip.
N302	Address Information	Second address line of Ship-To that should be displayed on the package address label and packing slip.
N4 - Ship-To Geographic Locations (Optional)		
N401	City Name	Ship-To City that should be displayed on the package address label and packing slip.
N402	State Code	Ship-To State that should be displayed on the package address label and packing slip.
N403	Postal Code	Ship-To Zip code excluding punctuation (hyphens) and blanks. Should be displayed on the package address label and packing slip.
N404	Country Code	Ship-To Country code. Should be displayed on the package address label and packing slip.
REF - Ship-To Store Number (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Store number to which the order was shipped.
REF03	Description	'ship_to_store_number'
REF - Ship-To Address Type (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined

REF02	Reference Identification	The address type of the ship-to address. Is it 'Residential' or 'Commercial'?
REF03	Description	'ship_address_type'
PER - Ship-To Communications Contact (Optional)		
PER01	Contact Function Code	'OC' for Order Contact
PER02	Name	Ship-To Name
PER03	Communication Number Qualifier	'TE' for Telephone
PER04	Communication Number	'ship_to_phone'
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	'ship_to_email'
N1 - Ship-From Name (Optional)		
N101	Entity Identifier Code	'SF' for Ship-From
N102	Name	Supplier name that is displayed on the package address label and packing slip.
N2 - Ship-From Company/Attention (Optional)		
N201	Name	Ship-From Company
N202	Name	Ship-From Attention
N3 - Ship- From Address Information (Optional)		
N301	Address Information	First address line of Ship-From that is displayed on the package address label and packing slip.
N302	Address Information	Second address line of Ship-From that is displayed on the package address label and packing slip.
N4 - Ship- From Geographic Locations (Optional)		
N401	City Name	Ship-From City that should be displayed on the package address label and packing slip.
N402	State Code	Ship-From State that is displayed on the package address label and packing slip.

N403	Postal Code	Ship-From Zip code excluding punctuation (hyphens) and blanks. As displayed on the package address label and packing slip.
N404	Country Code	Ship-From Country code. As displayed on the package address label and packing slip.
REF - Ship-From Location Code (Conditional)		
REF01	Reference Identification Qualifier	'LU' for Location Number
REF02	Reference Identification	The location code from where the package was shipped.
REF03	Description	'ship_from_location_code'
REF - Ship-From Address Type (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The address type of the bill-to address. Is it 'Residential' or 'Commercial'?
REF03	Description	'ship_from_address_type'
PER - Ship-From Communications Contact (Optional)		
PER01	Contact Function Code	'IC' for Order Contact
PER02	Name	Ship-From Name
PER03	Communication Number Qualifier	'TE' for Telephone
PER04	Communication Number	'ship_from_phone'
PER05	Communication Number Qualifier	'EM' for Electronic Mail
PER06	Communication Number	'ship_from_email'
N1 - Remit-To Name (Optional)		
N101	Entity Identifier Code	'RI' for Remit-To
N102	Name	Supplier name that is displayed on the package address label and packing slip.
N2 - Remit-To Company/Attention (Optional)		

N201	Name	Remit-To Company
N202	Name	Remit-To Attention
N3 - Remit-To Address Information (Optional)		
N301	Address Information	First address line of Remit-To that is displayed on the package address label and packing slip.
N302	Address Information	Second address line of Remit-To that is displayed on the package address label and packing slip.
N4 - Remit-To Geographic Locations (Optional)		
N401	City Name	Remit-To City that should be displayed on the package address label and packing slip.
N402	State Code	Remit-To State that is displayed on the package address label and packing slip.
N403	Postal Code	Remit-To Zip code excluding punctuation (hyphens) and blanks. As displayed on the package address label and packing slip.
N404	Country Code	Remit-To Country code. As displayed on the package address label and packing slip.
N1 - Seller Name (Optional)		
N101	Entity Identifier Code	'SO' for Seller
N102	Name	Supplier name that is displayed on the package address label and packing slip.
N2 - Seller Company/Attention (Optional)		
N201	Name	Seller Company
N202	Name	Seller Attention
N3 - Seller Address Information (Optional)		
N301	Address Information	First address line of the Seller displayed on the package address label and packing slip.
N302	Address Information	Second address line of the Seller displayed on the package address label and packing slip.
N4 - Seller Geographic Locations (Optional)		

N401	City Name	Seller City that should be displayed on the package address label and packing slip.
N402	State Code	Seller State that is displayed on the package address label and packing slip.
N403	Postal Code	Seller Zip code excluding punctuation (hyphens) and blanks. As displayed on the package address label and packing slip.
N404	Country Code	Seller Country code. As displayed on the package address label and packing slip.
N1 - Buyer Name (Optional)		
N101	Entity Identifier Code	'BY' for Buyer
N102	Name	Supplier name that is displayed on the package address label and packing slip.
N2 - Buyer Company/Attention (Optional)		
N201	Name	Buyer Company
N202	Name	Buyer Attention
N3 - Buyer Address Information (Optional)		
N301	Address Information	First address line of Buyer that is displayed on the package address label and packing slip.
N302	Address Information	Second address line of Buyer that is displayed on the package address label and packing slip.
N4 - Buyer Geographic Locations (Optional)		
N401	City Name	Buyer City that should be displayed on the package address label and packing slip.
N402	State Code	Buyer State that is displayed on the package address label and packing slip.
N403	Postal Code	Buyer Zip code excluding punctuation (hyphens) and blanks. As displayed on the package address label and packing slip.
N404	Country Code	Buyer Country code. As displayed on the package address label and packing slip.
ITD - Terms of Sale (Conditional) Payment Due Date or Days Due is required		

ITD01	Terms Type Code	Possible Values are: '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 to be discounted if the 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 the 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). Format: 999.99 <i><u>Attention: The decimal place must be included.</u></i>
ITD09-ITD12	empty	empty
ITD13	Day of Month	If using codes '02' or '12' in ITD01, this is the number of days after EOM the invoice is due
DTM - Ship Date/Time Reference (Conditional)		
DTM01	Date/Time Qualifier	'011' for Shipped date
DTM02	Date	Shipped date in format: CCYYMMDD
DTM03	Time	Time Shipped in format: HHMM
PID - FLSA Compliance Flag (Conditional)		
PID01	Item Description Type	"F" - Free Form
PID02-PID03	empty	Empty
PID04	Product Description Code	"FL" - is sent for FLSA compliance flag

IT1 - BaseLine-Item Data (Mandatory)		
IT101	Assigned Identifier	Invoice line number *Required when two or more Line-Items with the same-SKU
IT102	Quantity Invoiced	Units shipped per Line-Item
IT103	Unit of Measurement Code	'EA' for Each
IT104	Unit Price - R 1/17	Price per unit. Format: 999.99 <i>Attention: The decimal place must be included.</i>
IT105	Basis of Unit Price	Possible Values are: '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.
IT108	Product ID Qualifier	'UP' for UPC 'EN' for EAN 'MG' for Manufacturer's Part Number (MPN) 'IB' for International Standard Book Number (ISBN) 'UK' for Global Trade Number (GTIN) 'BP' for Partner SKU 'CB' for Retailer Item Identifier 'EM' for Dsco Item ID 'E6' for Cancel Reason in Text Form
IT109	Product ID	<ul style="list-style-type: none"> • When the Qualifier is 'UP': Universal Product Code (UPC) • When the Qualifier is 'EN': European Article Number (EAN) • When the Qualifier is 'IB': International Standard Book Number (ISBN) • When the Qualifier is 'UK': Global Trade Number (GTIN) • When the Qualifier is 'BP': Partner SKU • When the Qualifier is 'CB': Retailer Item Identifier • When the Qualifier is 'EM': Dsco Item ID • When the Qualifier is 'E6': Cancel Reason in Text Form
PID - Line-Item Carb Formaldehyde Compliance Code (Optional)		
PID01	Item Description Type	'X' for Semi-structured (Code and Text)

PID02- PID04	empty	empty
PID05	Description	Line-Item Carb Formaldehyde Compliance Code
REF - Line-Item Extended Amount (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The amount of line_item_unit_price multiplied by line_item_quantity. Format: 999.99 <i>Attention: The decimal place must be included.</i>
REF03	Description	'line_item_extended_amount'
REF - Line-Item Handling Amount (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The total amount being charged for handling charges for this specific line_item_sku. Format: 999.99 <i>Attention: The decimal place must be included.</i>
REF03	Description	'line_item_handling_amount'
REF - Line-Item Ship Amount (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The total amount being charged for shipping for this specific line_item_sku. Format: 999.99 <i>Attention: The decimal place must be included.</i>
REF03	Description	'line_item_ship_amount'
REF - Line-Item Ship Tracking Number (Conditional)		
REF01	Reference Qualifier	'CN' for Shipment Tracking Number - Ship Reference Number Qualifier

REF02	Reference Identification	Shipment Tracking Number
REF - Line-Item SSCC-Barcode (Conditional)		
REF01	Reference Qualifier	'GM' for Mutually Defined
REF02	Reference Identification	The SSCC-Barcode generated for the item-level ship-to-store label.
REF03	Description	'line_item_sscs_barcode'
REF - Line-Item Ship Carrier (Conditional)		
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 (Conditional)		
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 (Conditional)		
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 Ship Transportation Method Code (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The transportation method code assigned by the carrier for the shipped package. Values include:

		'A' for Air 'J' for Motor 'R' for Rail 'S' for Ocean/Ship
REF03	Description	'line_item_ship_transportation_method_code'
REF - Line-Item Ship Unit Of Measurement Code (Optional)		
REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The line-item unit of measurement code. Typically 'EA' for 'Each'. 'PR' for 'Pair' is also acceptable.
REF03	Description	'line_item_ship_unit_of_measurement_code'
REF - Line-Item Ship Carrier Manifest ID (Optional)		
REF01	Reference Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The Line-Item Ship Carrier Manifest ID - Used with LTL shipments.
REF03	Description	'line_item_ship_carrier_manifest_id'
REF - Line-Item Promotion Reference (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	If the line_item_unit_price is discounted because of a promotion that the Supplier is running, this field can be used to reference the promotion's title or description.
REF03	Description	'line_item_promotion_reference'
REF - Line-Item Promotion Amount (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The amount being discounted for each line_item_sku for the given line_item_promotion_reference. Format: 999.99 <i>Attention: The decimal place must be included.</i>
REF03	Description	'line_item_promotion_amount'

REF - Line-Item Tax Amount (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The amount of tax being charged for this line_item_sku. Format: 999.99 <i>Attention: The decimal place must be included.</i>
REF03	Description	'line_item_tax_amount'
REF - Line-Item Subtotal (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The total of the following fields: line_item_extended_amount line_item_handling_amount line_item_ship_amount line_item_promotion_amount line_item_tax_amount Format: 999.99 <i>Attention: The decimal place must be included.</i>
REF03	Description	'line_item_subtotal'
REF - Line-Item Commission Percentage (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The percentage that Supplier has set for the given trading partner to calculate the commission amount for an item when sold.
REF03	Time	'line_item_commission_percentage'
REF - Line-Item MSRP (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	The MSRP or current selling price of the given line-item.

REF03	Time	'line_item_msrp'
REF - Line-Item Ship Weight (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Weight of the item shipped in the package.
REF03	Description	'line_item_ship_weight'
REF - Line-Item Ship Weight Units (Optional)		
REF01	Reference Identification Qualifier	'ZZ' for Mutually Defined
REF02	Reference Identification	Unit of measurement for the weight of the item.
REF03	Description	'line_item_ship_weight_units'
REF - Line-Item Carb Certifier ID (Optional)		
REF01	Reference Identification Qualifier	'GK' for Mutually Defined
REF02	Reference Identification	Unit of measurement for the weight of the item.
REF03	Description	'line_item_carb_certifier_id'
DTM - Line-Item Ship Date (Conditional)		
DTM01	Date/Time Qualifier	'011' for Shipped
DTM02	Date	Line-Item Shipped date. Format: CCYYMMDD
DTM03	Time	Time Shipped in format HHMM
SAC - Line-Item Taxable Amount of Sale (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D340' for Taxable Amount of Sale
SAC03-SAC04	empty	empty
SAC05	Amount	Taxable Amount of Sale - <i>Implied Decimal</i> - EDI Type N2

SAC - Line-Item Amount of Sales Tax Collected (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D360' for Sales Tax
SAC03- SAC04	empty	empty
SAC05	Amount	Amount of Sales Tax - <i>Implied Decimal</i> - EDI Type N2
TXI - Line-Item Tax (Optional)		
TXI01	Tax Type Code	Line-item Tax Type Code. Possible Values are: <ul style="list-style-type: none"> • 'CG' for Federal Value-added Tax (GST) on Goods • 'SP' for State/Provincial Tax • 'ST' for State Sales Tax • 'VA' for Value Added Tax (i.e., Harmonized sales tax) • 'ZA' for 911-City Tax Code • 'ZB' for 911-County Tax Code (i.e., for VAT (Value Added Tax) reduction) • 'ZC' for 911-Excise Tax (i.e., VAT Standard) • 'ZD' for 911-State Tax (i.e., VAT tax zero)
TXI02	Tax Amount	Tax Amount
TXI03	Tax Percent	Percentage expressed as a decimal
TXI04	Tax Jurisdiction Qualifier	Code identifying the source of the data used in tax jurisdiction code
TXI05	Tax Jurisdiction	Code identifying the taxing jurisdiction
TXI06	Tax Exempt Code	Code identifying the tax exemption
TXI07	empty	empty
TXI08	empty	empty
TXI09	Tax Registration Number	Tax Registration Number
TXI10	Assigned Identification	Tax Description
SLN - Line-Item Original Order Quantity (Optional)		

SLN01	Assigned Identification	Numeric identifier
SLN02	empty	empty
SLN03	Relationship Code	'O' = Information Only
SLN04	Quantity	'line_item_original_order_quantity'
SLN05	Unit of Measure	'EA' = Each
TDS - Total Monetary Value Summary (Mandatory)		
TDS01	Total Invoice Amount	Total amount of the invoice plus all charges minus all allowances. Format: 999.99 <i>Attention: The decimal place must be included.</i>
TDS02	Amount Subject to Terms Discount	Total amount of invoice eligible for terms discount. Format: 999.99 <i>Attention: The decimal place must be included.</i>
AMT - Handling Charge Amount (Optional)		
AMT01	Amount Qualifier	'OH' for Handling Charges
AMT02	Amount	Handling Charge Amount in format: 999.99 <i>Attention: The decimal place must be included.</i>
AMT - Sales Tax Amount (Optional)		
AMT01	Amount Qualifier	'F7' for Sales Tax
AMT02	Amount	Sales Tax Amount in format: 999.99 <i>Attention: The decimal place must be included.</i>
SAC - Invoice Freight Amount (Optional)		
SAC01	Allowance or Charge	'C' for Charge
SAC02	Charge Code	'D240' for Freight
SAC03	empty	empty
SAC04	empty	empty

SAC05	Amount	Invoice Freight Amount in format: 9999.99 <i>Attention: The decimal place must be included.</i>
SAC - Taxable Amount of Sale (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D340' for Taxable Amount of Sale
SAC03- SAC04	empty	empty
SAC05	Amount	Taxable Amount of Sale - <i>Implied Decimal</i> - EDI Type N2
SAC - Amount of Sales Tax Collected (Optional)		
SAC01	Allowance or Charge Indicator	'C' for Charge
SAC02	Service, Promotion, Allowance, or Charge Code	'D360' for Sales Tax
SAC03- SAC04	empty	empty
SAC05	Amount	Amount of Sales Tax - <i>Implied Decimal</i> - EDI Type N2
SAC - Amount of Credits (Optional)		
SAC01	Allowance or Charge Indicator	'A' for Allowance
SAC02	Service, Promotion, Allowance, or Charge Code	'B800' for Credits
SAC03- SAC04	empty	Empty
SAC05	Amount	Amount of Credits - <i>Implied Decimal</i> - EDI Type N2
TXI - Taxes (Optional)		
TXI02	Tax Amount	Tax Amount
TXI01	Tax Type Code	Tax Type Code. Possible Values are: <ul style="list-style-type: none"> 'CG' for Federal Value-added Tax (GST) on Goods

		<ul style="list-style-type: none"> • 'SP' for State/Provincial Tax • 'ST' for State Sales Tax • 'VA' for Value Added Tax (i.e., Harmonized sales tax) • 'ZA' for 911-City Tax Code • 'ZB' for 911-County Tax Code (i.e., for VAT reduction) • 'ZC' for 911-Excise Tax (i.e., VAT Standard) • 'ZD' for 911-State Tax (i.e., VAT tax zero)
TXI03	Tax Percent	Percentage expressed as a decimal
TXI04	Tax Jurisdiction Code Qualifier	Tax Jurisdiction Code Qualifier
TXI05	Tax Jurisdiction Code	Tax Jurisdiction Code
TXI06	Tax Exempt Code	Tax Exempt Code
TXI07	empty	empty
TXI08	empty	empty
TXI09	Tax Identification Number	Tax Registration Number
TXI10	Assigned Identification	Tax Description
ISS - Invoice Shipment Summary (Optional)		
ISS01	Number of Units Shipped	Number of units shipped.
ISS02	Unit of Measurement Code	Ship Unit of Measurement Code Possible Values are: 'CA' for Case (Carton) 'BX' for Box 'PK' for Package
ISS03	Weight	Total Weight of shipment.
ISS04	Unit of Measurement Code	Ship Weight Unit of Measurement Code Possible Values are: 'LB' for Pound 'OZ' for Ounce '50' for Actual Kilograms
CTT - Transaction Totals (Mandatory)		
CTT01	Number of Line-Items	Number of Line-Items in the transaction set.

SE - Transaction Set Trailer (Mandatory)

SE01	Number of Included Segments	Number of segments in the transaction set including ST and SE.
SE02	Transaction Set Control Number	Must match the value in ST02.

8.3 810 Example Data

Simple 810 Example

```

ISA*00*      *00*      *ZZ*6116710000D6666*ZZ*DSCO
*200316*2049*<*00501*000000002*0*P*>~
GS*IN*6116710000D6666*DSCO*20200313*1724*2*X*004010VICS~
ST*810*000020001~
BIG*20200313*INV11150439**11150439~
CUR*BY*USD~
ITD*01*3****20200411*30~
DTM*011*20200313*1200~
IT1*1*3*EA*5.5*QT*SK*98989898~
IT1*2*1*EA*5.75*QT*SK*999999~
TDS*22.25~
CTT*2~
SE*10*000020001~
GE*1*2~
IEA*1*000000002~
  
```

Complex 810 Example - Invoice with Shipment Data

Note: *To ship different line-items in different packages, use only line-item level package segments.*

```

ISA*00*      *00*      *ZZ*DSCO      *ZZ*DSCO      *180314*1454*U*00401*900000001*0*T*>~
GS*IN*DSCO*DSCO*20180314*1454*900000001*X*004010~
ST*810*0001~
BIG*20180314*[PONumber]*20180313*changeme~
REF*IA*9848621~
REF*IV*10001~
N1*ST*Oaoeqp Hwyoiei~
N3*235 Wdzatnas St.~
N4*Bqeye*AK*52065*US~
REF*LU*[ship-from warehouse code here]*ship_from_location_code~
  
```

ITD*****20180414*30~
DTM*011*20180314*1454~
IT1*0001*1*EA*8*QT*SK*SKU1232423543~
REF*CN*1Z9777480370000414~
REF*ZZ*UPS*line_item_ship_carrier~
REF*ZZ*Ground*line_item_ship_method~
REF*ZZ*UPCG*line_item_shipping_service_level_code~
TDS*46.50~
ISS*1*CA~
CTT*1~
SE*30*0001~
GE*1*900000001~
IEA*1*900000001~