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1. Introduction

Flxpoint “FLX” solves the one-to-many integration relationships that challenge both retailers and suppliers when building a drop shipping operation. Our software platform is used for Inventory and Order management, consolidation, and automation for drop shipping.

This document outlines the EDI specifications for suppliers wishing to connect via EDI to Flxpoint for their Retail Partners who are using the Flxpoint Platform.

1.1 General EDI Guidelines

Standard Version

FLX supports EDI using the **004010VICS** version.

Interchange ID

Flxpoint will typically configure a specific Interchange ID for each customer with a Qualifier of "**ZZ**". By default we use FLXPOINT if there is not a specific ID agreed upon at setup. However we will typically use a customer's name in place of FLXPOINT as the ID.

Data Communications

FLX supports EDI via SFTP. AS2 is not currently supported.

Every FLX account includes an FTP/SFTP account that is specific to that account.

SFTP Transactions

- Transactions coming from the Supplier to FLX need to be placed in the "/in" directory.
- FLX will process the inbound file and place a 997 back on the outbound directory.
- Transactions being generated by FLX will be deposited in the "/out" directory.
- Upon successful transaction of outbound files we will expect the supplier to place a 997 in the "/in" directory. We will read these 997 acknowledgement files and move to archive.
- For files placed by FLX on the "/out" directory, we recommend you move successfully processed files to the "out/archive" directory. We do not archive or modify any files placed in the "out" directory.
- Please do not delete the files from the "/out" directory once you have downloaded them. It is helpful to both parties to have those files available in the archive if need be.

Supported Transactions

FLX supports the following transaction types:

- 846 Inventory Advice
- 850 Purchase Order
- 856 Advanced Ship Notice (ASN)
- 810 Invoice

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

ISA Control Numbers

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

For outgoing EDI transactions, FLX will provide an ISA Control Number that is essentially a sequence.

Delimiters

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

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

997 Acknowledgements

FLX requires that you return a 997 for each transaction that we send you.

FLX will generate a 997 for each transaction that we process. All 997 documents we generate will be deposited on our FTP/SFTP within the "/out" directory. FLX does not currently support the generation of 997 documents that need to be delivered to external destinations.

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

Contact Information

For support with your EDI exchange, please email us at connect@flxpoint.com

1.2 Timing

It is extremely important to update inventory and orders as quickly as possible. To that end, FLX recommends that all transactions be processed hourly. If hourly is not feasible, at least daily. Invoice data should be submitted within 24 hours of shipment.

1.3 Data Integrity

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

Quality of data

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

1.4 EDI Description

File Spec	Description
N/A	<p>Product Catalog & Copy The supplier must publish Product Catalog information in a flat file format to be consumed by Flxpoint's software for item setup. New products can be added/appended to this file at any time.</p>
N/A	<p>Product Images Images must be provided via a https link in the Product Catalog Data Feed or provided within a folder on a shared server location with SKU or UPC as filename.</p>
846	<p>Inventory Sending a '1' or anything greater than '0' in the QTY 02 segment indicates that the supplier has sufficient stock to fulfill orders. Sending a '0' indicates that the supplier is either out-of-stock on the particular item or, if the supplier has a safety stock level in place, the stock is low enough that the item may end up going on backorder. Unique UPC codes at the variant level must be provided in order to accurately track inventory and place orders.</p>
850	<p>Purchase Order Purchase Orders can be submitted to FLX at any time of the day so it's important for suppliers to get orders from FLX as often as possible. Hourly is recommended and daily if hourly is not feasible.</p>
856	<p>Ship Notice Also called an ASN (Advance Ship Notice) or Ship Confirm. The supplier must send FLX this EDI transaction indicating the ship information for orders they have shipped at least daily but hourly if possible. In order to fulfill the delivery commitment to our mutual customer, it is expected that orders will ship based on the service level sent in the 850/PO from the first business day the purchase order is available within FLX. To successfully update our system, we need to receive the correct UPC/EAN/SKU code(s) and purchase order number as sent in the original 850/PO. This information will update our internal systems which notify the customer of the status of their order.</p>
810	<p>Invoice Invoice information will only be accepted for items that have been shipped. To successfully update our system, we also need to receive the PO number and UPC/EAN/SKU code(s) as sent in the original 850/PO.</p>

2. Inventory Advice (EDI 846)

The Inventory Advice transaction originates with the Supplier, is sent to FLX, and then the Retailer's ecommerce platform is updated by Flxpoint.

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.

- FLX recommends providing a valid quantity level (the quantity available in the supplier's warehouse that can be shipped upon receipt of a Purchase Order) although any value above 0 means that the item is in-stock.
- An inventory quantity that is > 0 means the item is in-stock and can be purchased
- The supplier can implement any "safety net" algorithm they chose (such as sending a stock quantity of 0 when item is not truly out-of-stock but rather in the critically low stock level – this level is determined by the supplier)
- Sending a '1' or anything greater than '0' in the QTY 02 segment indicates that the supplier has sufficient stock to fulfill orders. Sending a '0' indicates that the vendor is either out-of-stock on the particular item or stock is low enough that the item may end up going on backorder or is cancelled.

NOTE: Sending a '0' quantity 846 record does not affect any orders pending for the item.

2.1 846 Segment Hierarchy

ISA	Interchange Header
GS	Group Header

Header

ST	Transaction Set Header
BIA	Beginning Segment for Inventory / Inquiry Advice
REF	Reference Identification

Detail

LIN	Item Identification
PID	Product / Item Description
QTY	Quantity

Trailer

SE	Transaction Set Trailer
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GE	Group Trailer
IEA	Interchange Trailer

2.2 846 Segment Specification

ST - Transaction Set Header

Element ID	Element Number	Name	Length	Mand/Opt	Comment
ST01	143	Transaction Set Identifier Code	3 ID	M	'846'
ST02	329	Transaction Set Control Number	9 N	M	Unique number that is incremented by 1 for each transaction set sent.

BIA - Beginning Segment for Inventory Inquiry

Element ID	Element Number	Name	Length	Mand/Opt	Comment
BIA01	353	Transaction Set Purpose Code	2 ID	M	'00' for Original
BIA02	755	Report Type Code	2 ID	M	'MM' Manufacturers Inventory Report
BIA03	127	Reference Identification	9 N	M	Sequential Reference Number
BIA04	373	Date	8 DT	M	Date (CCYYMMDD format)

REF - Reference Identification

Element ID	Element Number	Name	Length	Mand/Opt	Comment
REF01	128	Reference Identification Qualifier	2 ID	M	'IA' for Internal Vendor Number
REF02	127	Reference Identification	30 AN	M	FLX assigned vendor number. Max size: 10

Flxpoint EDI Specification

LIN - Item Identification

Element ID	Element Number	Name	Length	Mand/Opt	Comment
LIN02	235	Prod/Serv ID Qualifier	2 ID	M	'UP' for UPC, 'EN' for EAN, or 'SK' for SKU
LIN03	234	Prod/Serv ID	48 AN	M	LIN03 will serve as the primary identifier in Flxpoint. Send a SKU here if you wish to receive the SKU in 850s Exact size: UPC=12, EAN=13 Max size: SKU=30 Must be unique across all items
LIN04	235	Prod/Serv ID Qualifier	2 ID	O	As in LIN02 Optional additional product identifier
LIN05	234	Prod/Serv ID	48 AN	O	As in LIN03 Optional additional product identifier
LIN06	235	Prod/Serv ID Qualifier	2 ID	O	As in LIN02 Optional additional product identifier
LIN07	234	Prod/Serv ID	48 AN	O	As in LIN03 Optional additional product identifier

PID - Product / Item Description (title)

Element ID	Element Number	Name	Length	Mand/Opt	Comment
PID01	349	Item Description Type	1 ID	O	'F' for Free-form Description
PID02	750	Product Characteristic Code	2 ID	O	'08' for Product
PID05	352	Description	80 AN	O	Freeform product title

QTY - Quantity

Element ID	Element Number	Name	Length	Mand/Opt	Comment
QTY01	673	Quantity Qualifier	2 ID	M	'33' for stock quantity available for sale.
QTY02	380	Quantity	15 N	M	Numeric value of Quantity that is available for sale.

Fixpoint EDI Specification

QTY03	355	Composite Unit of Measure	2 ID	M	'EA'
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SE - Transaction Set Trailer

Element ID	Element Number	Name	Length	Mand/Opt	Comment
SE01	96	Number of Included Segments	6 N	M	Number of segments in the transaction set including ST and SE.
SE02	329	Transaction Set Control Number	9 N	M	Must match value in ST02.

2.3 846 Example File

A supplier is sending inventory status on 3 products. All three use SKU as their primary identifier. The first two also supply UPC and EAN data, along with a product title. The first product has 145 in stock, the second product is out-of-stock but has a backorder of 80 due to arrive on 2/17/2018 and the third product is discontinued.

---File Start---

```

ISA*00* 00* ZZ*XXXXXX*ZZ*FLXPOINT*120116*0640*U*00401*000000001*0*P*>~
GS*IB*XXXXXX*FLXPOINT*20180116*0640*1*X*004010VICS~
ST*846*1~
BIA*00*MM*1*20180116~
REF*IA*99999~
LIN**SK*SKU123*EA*122222222222*UP*222222222222~
PID*F*08***Your product title~
QTY*33*145*EA~
LIN**SK*SKU456*EA*233333333333*UP*333333333333~
PID*F*08***Another product title. Skipping optional title below~
QTY*33*0*EA~
LIN**SK*SKU789~
QTY*33*0*EA~
SE*12*1~
GE*1*1~
IEA*1*000000001~
    
```

---File End---

3. Purchase Order (EDI 850)

The Purchase Order transaction originates with the Retailer, is sent to FLX and then the Supplier gets the transaction from FLX.

Purpose: To transmit new orders

Frequency: Purchase Orders should be processed hourly. If hourly is not feasible, at least daily. The customer order number, found in segment N9, must be printed on the packing slip.

The supplier must adhere to the shipping service level indicated in the TD5 segment of the PO.

3.1 850 Segment Hierarchy

ISA	Interchange Header
GS	Group Header

Header

ST	Transaction Set Header
BEG	Beginning Segment for Purchase Order
CUR	Currency
REF	Reference Identification
PER	Administrative Communications Contact
DTM	Date/Time Reference
TD5	Carrier/Shipment Details
N9	Reference Identification
N1	Shipping Address Name
N3	Shipping Address Information
N4	Shipping Address Geographic Location
PER	Shipping Address Communications Contact
N1	Billing Address Name
N3	Billing Address Information
N4	Billing Address Geographic Location
PER	Billing Address Communications Contact

Detail

PO1	Baseline Item Data
PID	Product / Item Description

Trailer

CTT	Transaction Set Totals
SE	Transaction Set Trailer

GE	Group Trailer
IEA	Interchange Trailer

3.2 850 Segment Specification

ST - Transaction Set Header

Element ID	Element Number	Name	Length	Mand/Opt	Comment
ST01	143	Transaction Set Identifier Code	3 ID	M	'850'
ST02	329	Transaction Set Control Number	9 N	M	Unique number that is incremented by 1 for each transaction set sent.

BEG- Beginning Segment for Purchase Order

Element ID	Element Number	Name	Length	Mand/Opt	Comment
BEG01	353	Transaction Set Purpose Code	2 ID	M	'00' Original
BEG02	396	Purchase Order Type Code	2 ID	M	'SA' for Stand-Alone Order
BEG03	324	Purchase Order Number	22 AN	M	
BEG05	373	Date	8 DT	M	Date format (CCYYMMDD)

CUR - Currency

Element ID	Element Number	Name	Length	Mand/Opt	Comment
CUR01	98	Entity Identifier Code	3 ID	M	'BY' for Buying Party
CUR02	100	Currency Code	3 ID	M	'USD'

Fixpoint EDI Specification

REF - Reference Identification

Element ID	Element Number	Name	Length	Mand/Opt	Comment
REF01	128	Reference Identification Qualifier	2 ID	M	'IA' for Internal Vendor Number
REF02	127	Reference Identification	30 AN	M	FLX assigned vendor number. Max size: 10

PER - Administrative Communications Contact - Seller's Phone Number

Element ID	Element Number	Name	Length	Mand/Opt	Comment
PER01	366	Contact Function Code	2 ID	O	'EA' for EDI Coordinator
PER03	365	Communication Number Qualifier	2 ID	O	'TE' for Telephone Number
PER04	364	Communication Number	80 AN	O	A freeform telephone number

DTM - Date Time Reference

Element ID	Element Number	Name	Length	Mand/Opt	Comment
DTM01	374	Date/Time Qualifier	3 ID	M	'001' for Cancel After
DTM02	373	Date	8 DT	M	CCYYMMDD (set by default to 7 days after order date)

TD5 - Carrier Details

Element ID	Element Number	Name	Length	Mand/Opt	Comment
TD505	387	(Carrier) Routing	35 AN	O	Free-form name of a requested carrier. This should conform to the trading partner's supported options
TD512	284	Service Level Code	2 ID	M	Shipping method that the Retailer is requesting. Can be any of the following:

Flxpoint EDI Specification

					D3 - 3 day select ND - Next day air saver SC - Second day air SI - Standard Ground SP - SurePost These values may vary based on your trading partner
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N9 - Reference Identification

Element ID	Element Number	Name	Length	Mand/Opt	Comment
N901	128	Reference Identification Qualifier	3 ID	M	'CO' for Customer Order Number
N902	127	Reference Identification	30 AN	M	Customer order number - MUST be put on the packing slip

(Mandatory Shipping Address Loop) N1 - Name

Element ID	Element Number	Name	Length	Mand/Opt	Comment
N101	98	Entity Identifier Code	3 ID	M	'ST' for Ship-To
N102	93	Name	60 AN	M	Customer name. Should be displayed on the packing slip
N104	67	Ship-To Identification Code	80 AN	O	Only sent if a value is mapped within Flxpoint. This will not be populated unless the trading partners arrange it.

N3 - Address Information

Element ID	Element Number	Name	Length	Mand/Opt	Comment
N301	166	Address Information	55 AN	M	First address line of Ship-To. Should be displayed on the address label on the package.
N302	166	Address Information	55 AN	O	Second address line of Ship-To. Should be displayed on the address label on the package.

Flxpoint EDI Specification

N4 - Geographic Locations

Element ID	Element Number	Name	Length	Mand/Opt	Comment
N401	19	City Name	30 AN	M	Ship-To City. Should be displayed on the address label on the package.
N402	156	State Code	2 AN	M	Ship-To State. Should be displayed on the address label on the package.
N403	116	Postal Code	15 N	M	Ship-To Zip code excluding punctuation (hyphens) and blanks. Should be displayed on the address label of the package

PER - Administrative Communications Contact

Element ID	Element Number	Name	Length	Mand/Opt	Comment
PER01	366	Contact Function Code	2 ID	O	'NT' for Notification Contact
PER03	365	Communication Number Qualifier	2 ID	O	'TE' for Telephone Number
PER04	364	Communication Number	80 AN	O	A freeform telephone number
PER05	365	Communication Number Qualifier	2 ID	O	'EM' for Email
PER06	364	Communication Number	80 AN	O	A freeform email address

(Optional Billing Address Loop) N1 - Name

Element ID	Element Number	Name	Length	Mand/Opt	Comment
N101	98	Entity Identifier Code	3 ID	O	<p>'BT' for Bill-To</p> <p>The billing address will only be included if enabled within Flxpoint</p> <p>This N1 loop will contain the same (N3, N4, PER) Segments under the same conditions as the Ship-To address detailed above.</p>

Flxpoint EDI Specification

N102	93	Name	60 AN	O	Customer name
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(Optional Billing Address) N3, N4, PER - As Above

P01 - Baseline Item Data

Element ID	Element Number	Name	Length	Mand/Opt	Comment
PO101	350	Assigned Identification	20 N	M	Line item number on the PO. Always starts at 1, incrementing.
PO102	330	Quantity Ordered	15 N	M	Will be 1 or more
PO103	355	Unit or Basis for Measure	2 ID	M	'EA' for each
PO104	212	Unit Price	17 N	M	The expected cost of the item being ordered. Field format: 99.99 (1.5, 150, and 0.95 also valid)
PO106	235	Product/Serv ID Qualifier	2 ID	M	'SK' for SKU Primary identifier, required in 856/etc.
PO107	234	Product/Serv ID	48 AN	M	
PO108	235	Product/Serv ID Qualifier	2 ID	O	Optional additional identifiers, 'BP' for Buyer's Part Number 'EN' for EAN 'MG' for Manufacturer's Part Number 'UP' for UPC Code 'VP' for Vendor's Part Number
PO109	234	Product/Serv ID	48 AN	O	These fields are sent only if set up in Flxpoint and available on the product in question
PO110 Through 12, 14, 16, etc.	235	Product/Serv ID Qualifier	2 ID	O	As in PO108, sending additional qualifier/ID pairs as needed to convey any available data
PO111 Through 13, 15, 17, etc.	234	Product/Serv ID	48 AN	O	As in PO109, sending additional qualifier/ID pairs as needed to convey any available data

Flxpoint EDI Specification

PID - Product / Item Description (title)

Element ID	Element Number	Name	Length	Mand/Opt	Comment
PID01	349	Item Description Type	1 ID	O	'F' for Free-form Description
PID02	750	Product Characteristic Code	2 ID	O	'08' for Product
PID05	352	Description	80 AN	O	Freeform product title Any text over the 80 character limit will be trimmed and excluded.

PID - Product / Item Description (item customizations - rarely used, may include multiple)

Element ID	Element Number	Name	Length	Mand/Opt	Comment
PID01	349	Item Description Type	1 ID	O	'F' for Free-form Description
PID02	750	Product Characteristic Code	2 ID	O	'08' for Product
PID05	352	Description	80 AN	O	Key-value product customizations (or, generally, custom fields) in the following format, including the colon and the surrounding spaces: [key] : [value] In general, these PID lines are highly specific and will only be present for suppliers who know they need them. Any text over the 80 character limit will be trimmed and excluded.

CTT - Transaction Set Totals

Element ID	Element Number	Name	Length	Mand/Opt	Comment
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Fixpoint EDI Specification

CTT01	354	Number of Line Items	6 N	M	
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SE - Transaction Set Trailer

Element ID	Element Number	Name	Length	Mand/Opt	Comment
SE01	96	Number of Included Segments	6 N	M	Number of segments in the transaction set including ST and SE.
SE02	329	Transaction Set Control Number	9 N	M	Must match value in ST02.

3.3 850 Example File

The first transaction Includes optional billing address - not guaranteed to be present. The second does not.

The first PID line for each item is its name. Further PID lines are key-value customizations that will only be present for suppliers who know they need them. Only the first transaction includes these.

The PO1 segment in the first transaction has the maximum number of identifier pairs, while the second transaction uses only the mandatory SKU pair. Identifiers other than SKU may be ignored freely if they are of no use to you - we only need to receive back the SKU.

---Start File---

```

ISA*00*  *00* *ZZ*FLXPOINT *ZZ*123456 *120111*2309*U*00401*000007607*0*P*>~
GS*PO*FLXPOINT*001017078*20180111*2309*7607*X*004010VICS~
ST*850*0001~
BEG*00*SA*75070461**20180111~
CUR*BY*USD~
REF*IA*123456~
PER*EA**TE*8011234567~
DTM*001*20180116~
TD5*****UPS*****SI~
N9*CO*10007241899999~
N1*ST*John Smith~
N3*1234 E Main Street~
N4*City*UT*84003~
PER*NT**TE*8011234567*EM*shippingemail@gmail.com~
N1*BT*John Smith~
N3*1234 E Main Street~
N4*City*UT*84003~
PER*NT**TE*8011234567*EM*billingemail@gmail.com~
PO1*0001*1*EA*14.4**SK*SKU123*BP*data*EN*1234567890123*MG*data*UP*123456789012*VP*data~
PID*F*08***Item Title Here~
PID*F*08***Customization Text : Happy Birthday, Gift Recipient!~
PID*F*08***Custom Image Link : tinyurl.com/80CharacterLimit.....cutoff~
CTT*1~
SE*22*0001~
ST*850*0002~
BEG*00*SA*75070462**20180111~
CUR*BY*USD~
REF*IA*123456~
PER*EA**TE*9999999999~
DTM*001*20180112~
TD5*****any*****ND~
N9*CO*10007247199999~

```

Flxpoint EDI Specification

N1*ST*Fake Name~
N3*456 N 200 S~
N4*Nowhereville*UT*84003~
PER*NT**TE*(801)123-4567*EM*anothershippingemail@gmail.com~
PO1*0001*1*EA*27.5**SK*SKU456~
PID*F*08***Item Title Here~
PO1*0002*1*EA*27.5**SK*SKU789~
PID*F*08***Item Title Here~
CTT*2~
SE*18*0002~
GE*2*7607~
IEA*1*000007607~

---End File---

4. Advance Ship Notice (EDI 856)

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

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

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

Information provided in this transaction must be based on the 850 file sent: Purchase Order number, line item number, customer order number and vendor UPC/EAN/SKU item)

4.1 856 Segment Hierarchy

ISA	Interchange Header
GS	Group Header

Header

ST	Transaction Set Header
BSN	Beginning Segment for Ship Notice

Detail - Shipment (use either Shipment or Pack Segment)

HL	Hierarchical Level
TD5	Carrier Details
REF	Reference Identification (of Shipping Carrier's tracking number)
DTM	Date Time
N1	Name

Detail - Order

HL	Hierarchical Level
PRF	Purchase Order Reference
REF	Reference Identification (Customer Order Number)
REF	Reference Identification (Vendor's Order Number)

Detail - Pack (use either Shipment or Pack Segment)

HL	Hierarchical Level
MAN	Marks and Numbers

Detail - Item

HL	Hierarchical Level
LIN	Item Identification
SN1	Item Detail

Trailer

SE	Transaction Set Trailer
GE	Group Trailer
IEA	Interchange Trailer

4.2 856 Segment Specification

ST - Transaction Set Header

Element ID	Element Number	Name	Length	Mand/Opt	Comment
ST01	143	Transaction Set Identifier Code	3 ID	M	'856'
ST02	329	Transaction Set Control Number	9 N	M	Unique number that is incremented by 1 for each transaction set sent.

BSN - Beginning Segment for Ship Notice

Element ID	Element Number	Name	Length	Mand/Opt	Comment
BSN01	353	Transaction Set Purpose Code	2 ID	M	'00' Original
BSN02	396	Shipment Identification	30 AN	M	Unique control number assigned by supplier to identify a specific shipment
BSN03	373	Date	8 DT	M	Format: CCYYMMDD
BSN04	337	Time	4 TM	M	Time. Format: HHMM
BSN05	1005	Hierarchical Structure Code	4 ID	M	0004 for Shipment, Order, Item OR 0001 for Shipment, Order, Pack, Item

HL - Hierarchical Level

Element ID	Element Number	Name	Length	Mand/Opt	Comment
HL01	628	Hierarchical ID Number	12 AN	M	'1' (increases incrementally with multiple orders)
HL03	735	Hierarchical Level Code	2 ID	M	'S' for Shipment

Fixpoint EDI Specification

TD5 - Carrier Details

Element ID	Element Number	Name	Length	Mand/Opt	Comment
TD502	66	Identification Code Qualifier	2 ID	M	'2' for Standard Carrier Alpha Code (SCAC)
TD503	67	Identification Code	80 AN	M	Carrier SCAC code – Max size 4 (e.g. UPSN for UPS) These values may vary based on your trading partner
TD512	284	Service Level Code	2 ID	M	D3 – 3 day select ND – Next day air saver SC – Second day air SI – Standard Ground SP - Sure Post These values may vary based on your trading partner

REF - Reference Identification

Element ID	Element Number	Name	Length	Mand/Opt	Comment
REF01	128	Reference Identification Qualifier	3 ID	M	'CN' for Carrier's Reference Number
REF02	127	Reference Identification	30 AN	M	Carrier's Tracking Number NOTE: This segment OR MAN segment are mutually exclusive. If you are sending the carrier tracking number in the MAN segment, do not send this segment

DTM - Date/Time Maintenance

Element ID	Element Number	Name	Length	Mand/Opt	Comment
DTM01	374	Date/Time Qualifier	3 ID	M	'011' for Shipped Date
DTM02	373	Date	8 DT	M	Date Shipped (CCYYMMDD)
DTM03	337	Time	4 TM	M	Time Shipped (HHMM)

Flxpoint EDI Specification

N1 - Name

Element ID	Element Number	Name	Length	Mand/Opt	Comment
N101	98	Entity Identifier Code	3 ID	M	'SF' for Ship-From
N103	66	Identification Code Qualifier	2 ID	M	'92'
N104	67	Identification Code	80 AN	M	FLX assigned supplier number. Max size 10

HL - Hierarchical Level

Element ID	Element Number	Name	Length	Mand/Opt	Comment
HL01	628	Hierarchical ID Number	12 AN	M	'2' (increases incrementally with multiple levels)
HL02	734	Hierarchical Parent ID Number	12 AN	M	'1' Parent is the shipment hierarchy
HL03	735	Hierarchical Level Code	2 ID	M	'O' for Order

PRF - Purchase Order Reference

Element ID	Element Number	Name	Length	Mand/Opt	Comment
PRF01	324	Purchase Order Number	22 AN	M	PO number (as found in the BEG segment of the 850 transaction)

Ref - Reference Identification

Element ID	Element Number	Name	Length	Mand/Opt	Comment
REF01	128	Reference Identification Qualifier	3 ID	O	'CO' for Customer Order Number
REF02	127	Reference Identification	30 AN	O	The Customer Order Number (as sent on the N9 segment of the 850)

Fixpoint EDI Specification

Ref - Reference Identification

Element ID	Element Number	Name	Length	Mand/Opt	Comment
REF01	128	Reference Identification Qualifier	3 ID	O	'VN' for Vendor Order Number
REF02	127	Reference Identification	30 AN	O	Vendor's order number

HL - Hierarchical Level

Element ID	Element Number	Name	Length	Mand/Opt	Comment
HL01	628	Hierarchical ID Number	12 AN	M	'3' (increases incrementally with multiple levels)
HL02	734	Hierarchical Parent ID Number	12 AN	M	'2' Parent is the order hierarchy
HL03	735	Hierarchical Level Code	2 ID	M	'P' for Pack

MAN - Markings and Numbers

Element ID	Element Number	Name	Length	Mand/Opt	Comment
MAN01	88	Marks and Numbers Qualifier	2 ID	M	'CP'
MAN02	87	Marks and Numbers	48 AN	M	Carrier's Tracking Number NOTE: This segment OR the Shipment level REF segment are mutually exclusive. If you are sending the carrier tracking number in the Shipment level REF segment, do not send this segment

Fixpoint EDI Specification

HL - Hierarchical Level

Element ID	Element Number	Name	Length	Mand/Opt	Comment
HL01	628	Hierarchical ID Number	12 AN	M	'3' if Parent is the order hierarchy '4' if Parent is the pack detail (increases incrementally with multiple levels)
HL02	734	Hierarchical Parent ID Number	12 AN	M	'2' if Parent is the order hierarchy '3' If Parent is the pack detail
HL03	735	Hierarchical Level Code	2 ID	M	'1' for Item

LIN - Item Identification

Element ID	Element Number	Name	Length	Mand/Opt	Comment
LIN01	350	Line Number	4 N	O	Starts at '1', incrementing
LIN02	235	Product/Service ID Qualifier	2 ID	M	'UP' for UPC, 'EN' for EAN, 'SK' for SKU, or 'BP' for Buyer's Part Number
LIN03	234	Product/Service ID	30 AN	M	MUST match the SKU/UPC/EAN sent in the 850's PO107

SN1 - Item Detail (Shipment)

Element ID	Element Number	Name	Length	Mand/Opt	Comment
SN101	350	Assigned Identification	20 AN	O	Not Used
SN102	382	Number of Unit Shipped	10 N	M	Number of units shipped
SN103	355	Unit or Basis for Measurement	2 ID	M	'EA' for Each

Fixpoint EDI Specification

SE - Transaction Set Trailer

Element ID	Element Number	Name	Length	Mand/Opt	Comment
SE01	96	Number of Included Segments	6 N	M	Number of segments in the transaction set including ST and SE.
SE02	329	Transaction Set Control Number	9 N	M	Must match value in ST02.

4.3 856 Example File

[[RECOMMENDED]]

Option #1 - One ASN with ST/SE break around every shipment. Tracking number is at the Pack Level.

---Start File---

```

ISA*00*      *00*      *ZZ*XXXXXX      *ZZ*FLXPOINT      *120116*0705*U*00401*000000004*0*P*>~
GS*SH*XXXXXX*FLXPOINT*20180116*0705*253*X*004010VICS~
ST*856*3936~
BSN*00*1111111*20020718*0855*0001~
HL*1**S~
TD5**2*UPSN*****SI~
DTM*011*20180116*0855~
N1*SF**92*22222~
HL*2*1*O~
PRF*11123456~
REF*CO*22123456780103~
REF*VN*33333333333333333333~
HL*3*2*P~
MAN*CP*1ZE4444444444444444~
HL*4*3*I~
LIN*0001*BP*055555555555~
SN1**1*EA~
SE*16*3936~
ST*856*3937~
BSN*00*11111111*20020718*1234*0001~
HL*1**S~
TD5**2*UPSN*****ND~
DTM*011*20180116*1234~
N1*SF**92*222222~
HL*2*1*O~
PRF*11123457~
REF*CO*22123456780102~
REF*VN*3333333333333333444444~
HL*3*2*P~
MAN*CP*1ZE4444444444888888~
HL*4*3*I~
LIN*0001*BP*055555555555~
SN1**1*EA~
HL*4*3*I~
LIN*0002*BP*055555111111~
SN1**1*EA~
SE*19*3937~
GE*2*253~
IEA*1*000000004~

```

---End File---

Flxpoint EDI Specification

Option #2 - One HL shipment for each shipment, but only one ST/SE break loop. UPS Tracking Number is at Pack Level.

---Start File---

```
ISA*00*      *00*      *ZZ*XXXXXX      *ZZ*FLXPOINT      *120116*0705*U*00401*00000002*0*P*>~
GS*SH*XXXXXX*FLXPOINT*20180116*0705*253*X*004010VICS~
ST*856*3936~
BSN*00*11111111*20180116*1930*0001~
HL*1**S~
TD5**2*UPSN*****SC~
DTM*011*20180116*1930~
N1*SF**92*22222~
HL*2*1*O~
PRF*11123456~
REF*CO*22123456780103~
REF*VN*33333333333333333333~
HL*3*2*P~
MAN*CP*1ZE44444444444444~
HL*4*3*I~
LIN*0001*BP*055555555555~
SN1**1*EA~
HL*5**S~
TD5**2*UPSN*****SC~
DTM*011*20180116*1930~
N1*SF**92*22222~
HL*6*5*O~
PRF*11123457~
REF*CO*22123456780102~
REF*VN*33333333333333888888~
HL*7*6*P~
MAN*CP*1ZE444444444488888~
HL*8*7*I~
LIN*0001*BP*055555555555~
SN1**1*EA~
HL*8*7*I~
LIN*0001*BP*055555511111~
SN1**2*EA~
SE*32*3936~
GE*1*253~
IEA*1*000000002~
```

---End File---

Flxpoint EDI Specification

Option #3 - ASN data with UPS tracking number at Shipment Level.

---Start File---

```
ISA*00*      *00*      *ZZ*XXXXXX      *ZZ*FLXPOINT      *120116*0705*U*00401*000000022*0*P*>~
GS*SH*XXXXXX*FLXPOINT*20180116*0705*253*X*004010VICS~
ST*856*3936~
BSN*00*11111111*20180116*2040*0004~
HL*1**S~
TD5**2*UPSN*****SC~
REF*CN*1ZE55555222241598~
DTM*011*20180116*2040~
N1*SF**92*22222~
HL*2*1*O~
PRF*11123456~
REF*CO*22123456780103~
REF*VN*5555666888999~
HL*3*2*I~
LIN*0001*BP*05555555111~
SN1**1*EA~~
HL*4**S~
TD5**2*UPSN*****D3~
REF*CN*1ZE55555222244444~
DTM*011*20180116*2100~
N1*SF**92*22222~
HL*5*4*O~
PRF*11123457~
REF*CO*22123456780102~
REF*VN*1111111145~
HL*6*5*I~
LIN*0001*BP*044444444444~
SN1**2*EA~~
HL*6*5*I~
LIN*0002*BP*04444442222~
SN1**2*EA~~
SE*30*3936~
GE*1*253~
IEA*1*000000022~
```

---End File---

5. Invoice (EDI 810)

The Invoice transaction originates with the Supplier, is sent to FLX, and then the Retailer gets the transaction from FLX.

Purpose: To inform the Retailer of the cost that the retailer must pay the supplier for the given order.

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

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

Payment terms are set between the Retailer and Supplier. FLX 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, customer order number and vendor UPC/EAN/SKU item)

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

5.1 810 Segment Hierarchy

ISA	Interchange Header
GS	Group Header

Header

ST	Transaction Set Header
BIG	Beginning Segment for Invoice
REF	Reference Numbers
ITD	Terms of Sale
DTM	Date/Time Reference

Detail

IT1	Baseline Item Detail
CTP	Pricing Information
SAC	Service, Promotion, Allowance, or Charge Information

Summary

TDS	Total Monetary Value Summary
CAD	Carrier Detail
SAC	Service, Promotion, Allowance or Charge Information
ISS	Invoice Shipment Summary

Trailer

CTT	Transaction Set Totals
SE	Transaction Set Trailer

GE	Group Trailer
IEA	Interchange Trailer

5.2 810 Segment Specification

ST - Transaction Set Header

Element ID	Element Number	Name	Length	Mand/Opt	Comment
ST01	143	Transaction Set Identifier Code	3 ID	M	'810'
ST02	329	Transaction Set Control Number	9 N	M	Unique number that is incremented by 1 for each transaction set sent.

BIG Segment - Beginning Segment - Invoice

Element ID	Element Number	Name	Length	Mand/Opt	Comment
BIG01	373	Invoice Date	8 DT	M	Date invoice was generated. Format: CCYYMMDD Future dates are not valid. Dates over 17 months old are not valid.
BIG02	76	Invoice Number	10 AN	M	Assigned by sender.
BIG03	373	PO Date	8 DT	O	PO Date
BIG04	324	PO Number	22 AN	M	PO Number <REQUIRED>

REF - Reference Number - Internal Vendor Number

Element ID	Element Number	Name	Length	Mand/Opt	Comment
REF01	128	Reference Number Qualifier	2 ID	O	'IA' - Internal Vendor Number
REF02	127	Reference Number	10 AN	O	FLX Assigned Vendor/Supplier #

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REF - Reference Number - Department Number

Element ID	Element Number	Name	Length	Mand/Opt	Comment
REF01	128	Reference Number Qualifier	2 ID	O	'DP' - Department Number
REF02	127	Reference Number	10 AN	O	'0000'

REF - Reference Number - Invoice Number

Element ID	Element Number	Name	Length	Mand/Opt	Comment
REF01	128	Reference Number Qualifier	2 ID	O	'IV' - Invoice Number
REF02	127	Reference Number	10 AN	O	Invoice Number

ITD - Terms of Sale/Deferred Terms of Sale

Element ID	Element Number	Name	Length	Mand/Opt	Comment
ITD01	336	Terms Type Code	2 ID	M	'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	333	Terms Basis Date Code	1 ID	M	'3' for Invoice Date
ITD03	338	Terms Discount Percent	6 R	O	Percentage of merchandise cost discounted if invoice is paid before the terms discount due date (ITD04).
ITD04	370	Terms Discount Due Date	8 DT	C	Date payment is due to qualify for a discount.
ITD05	351	Terms Discount Days Due	3 N	C	Number of days from the invoice date that the discounted invoice is due.

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ITD06	446	Terms Net Due Date	8 DT	M	Date payment of invoice in full is due.
ITD07	386	Terms Net Days	3 N	M	Number of days until total invoice amount is due.
ITD08	362	Terms Discount Amount	8 R	C	Dollar amount of invoice merchandise cost discounted if invoice is paid on or before Terms Discount Due Date (ITD04).
ITD13	765	Day of Month	3 N	C	If using codes '02' or '12' in ITD01, this is the number of days after EOM the invoice is due

DTM - Date/Time Reference

Element ID	Element Number	Name	Length	Mand/Opt	Comment
DTM01	374	Date/Time Qualifier	3 ID	M	'011' for Shipped date
DTM02	373	Date	8 DT	M	Shipped date. Format: CCYYMMDD

IT1 - Baseline Item Data

Element ID	Element Number	Name	Length	Mand/Opt	Comment
IT101	350	Assigned Identifier	6 AN	O	Invoice line number
IT102	358	Quantity Invoiced	6 R	M	Units shipped per line item
IT103	355	Unit of Measurement Code	2 ID	M	'EA' for Each
IT104	212	Unit Price	8 R	M	Price per unit \$15.95 would be sent as '15.95' \$29.00 would be sent as '29'
IT105	639	Basis of Unit Price	2 ID	M	'QT' for Quoted(Default) 'LE' for Catalog Price per each 'WE' for Wholesale price per each
IT106	235	Product/Service ID Qualifier	2 ID	M	'UP' for UPC, 'EN' for EAN, 'SK' for SKU, or 'BP' for Buyer's Part Number
IT107	234	Product/Service ID	30 AN	M	MUST match the SKU/UPC/EAN provided in the 850's PO107

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TDS - Total Monetary Value Summary

Element ID	Element Number	Name	Length	Mand/Opt	Comment
TDS01	610	Total Invoice Amount	10 R	M	Total amount of the invoice plus all charges minus all allowances. Use implied decimals: \$12 -> "1200"
TDS02	610	Amount Subject to Terms Discount	10 R	O	Total amount of invoice eligible for terms discount. Use implied decimals: \$12 -> "1200"

CAD - Carrier Detail

Element ID	Element Number	Name	Length	Mand/Opt	Comment
CAD01	91	Transportation Method Code	2 ID	O	See 850 element TD512 for list of valid codes
CAD04	140	Standard Carrier Alpha Code	4 AN	M	If not available, do not send the CAD segment. See 850 element TD503 for list of valid codes
CAD07	128	Reference Number Qualifier	2 ID	O	BM - Bill of Lading Number CN - Carrier's Reference Number
CAD08	127	Reference Number	7/22 AN	C	Reference number

SAC - Service, Promotion, Allowance, or Charge Information

Element ID	Element Number	Name	Length	Mand/Opt	Comment
SAC01	248	Allowance or Charge Indicator	1 ID	O	Must be "C" (for Charge) or "A" (for Allowance), only for C310
SAC02	1300	SAC Code	4 ID	C	Supported codes: G821 (Shipping) C310 (Discount) D240 (Freight) H750 (Sales Tax) AFEE (Generic Fee) G740 (Service Charge)
SAC05	610	Amount	15 N	C	Use implied decimal: \$12 -> "1200"

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ISS - Invoice Shipment Summary

Element ID	Element Number	Name	Length	Mand/Opt	Comment
ISS01	382	Number of Units Shipped	6 N	O	Number of units shipped.
ISS02	355	Unit of Measurement Code	2 ID	C	'EA' for Each
ISS03	81	Weight	8 R	O	Total Weight of shipment.
ISS04	355	Unit of Measurement Code	2 ID	C	'LB' for Pound, 'OZ' for Ounce, '50' for Kilograms

CTT - Transaction Totals

Element ID	Element Number	Name	Length	Mand/Opt	Comment
CTT01	354	Number of Line Items	6 N	M	Number of line items in the transaction set.

SE - Transaction Set Trailer

Element ID	Element Number	Name	Length	Mand/Opt	Comment
SE01	96	Number of Included Segments	6 N	M	Number of segments in the transaction set, including ST and SE.
SE02	329	Transaction Set Control Number	9 N	M	Must match value in ST02.

5.3 810 Example File

The Supplier is invoicing for the first two POs in section 3.3. Each invoice carries an additional \$5.00 charge for shipping (SAC Segment). The second invoice has a total cost (\$59.51) that is the total itemized fees (\$55 from the two items) + \$5 (from the shipping charge) + \$3.50 (from the sales tax) - \$3.99 (from the discount).

---Start File---

```

ISA*00* 00* ZZ*XXXXXX*ZZ*FLXPOINT*120116*0218*U*00401*310000617*0*P*>~
GS*IN*XXXXXX*FLXPOINT*20180116*0218*617*X*004010VICS~
ST*810*53737~
BIG*20180116*123456**75070461~
REF*IA*123456~
REF*DP*0000~
ITD*01*3***20180126*45~
DTM*011*20180116~
IT1*1*1*EA*14.4*QT*UP*123456789159~
TDS*1940~
SAC*C*G821***500~
ISS*1*EA*4*LB~
CTT*1~
SE*12*53737~
ST*810*53738~
BIG*20011109*4857775**75070462~
REF*IA*123456~
REF*DP*0000~
ITD*01*3***20180126*45~
DTM*011*20180116~
IT1*1*1*EA*27.5*QT*UP*123456789951~
IT1*2*1*EA*27.5*QT*UP*12345677777~
TDS*5951~
SAC*C*G821***500~
SAC*C*H750***350~
SAC*A*C310***399~
ISS*2*EA*3*LB~
CTT*1~
SE*15*53738~
GE*2*617~
IEA*1*310000617~

```

---End File---

Appendix A - ISA, GS, GE and IEA

ISA - Interchange Header

Element ID	Element Number	Name	Length	Comment
ISA01	I01	Authorization Information Qualifier	2 ID	'00' for No authorization information present.
ISA02	I02	Authorization Information	10 AN	Not Used
ISA03	I03	Security Information Qualifier	2 ID	'00' for No security information present.
ISA04	I04	Security Information	10 AN	Not Used
ISA05	I05	Interchange ID Qualifier	2 ID	'ZZ' for Mutually defined '01' for DUNS Number
ISA06	I06	Interchange Sender ID	15 AN	Sender ID If sender is FLX, then ID will be "FLXPOINT" If sender is Vendor, the ID should be the Vendor's ISA ID number.
ISA07	I05	Interchange ID Qualifier	2 ID	'ZZ' for Mutually defined
ISA08	I07	Interchange Receiver ID	15 AN	Receiver's ID if receiver is "FLX" then ID should be "FLXPOINT"
ISA09	I08	Date	6 DT	Date envelope was generated. (YYMMDD)
ISA10	I09	Time	4 TM	Time Envelope was generated. (HHMM)
ISA11	I10	Interchange Standards Identifier	1 ID	'U' for US. EDI Community of X12, TDCC, and UCS.
ISA12	I11	Interchange Version ID	5 AN	'00401'
ISA13	I12	Interchange Control Number	9 N	Sender assigned sequential number starting with 1 and incremented by 1 for each transmission.
ISA14	I13	Acknowledgment	1 ID	0 for No Interchange Acknowledgment 'TA1' requested.

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		Requested		
ISA15	114	Test Indicator	1 ID	'P' for Production data 'T' for Test data
ISA16	115	Sub-element Separator	1 AN	'>'

GS - Group Header

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

GE - Group Trailer

Element ID	Element Number	Name	Length	Comment
GE01	97	Number of Included Transaction Sets	6 N	Number of ST segments within the group.
GE02	28	Data Interchange	9 AN	Must match GS06.

Fixpoint EDI Specification

		Control Number		
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IEA - Interchange Trailer

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