



Fisher Scientific

Part of Thermo Fisher Scientific

EDI Services Guide

December 2010

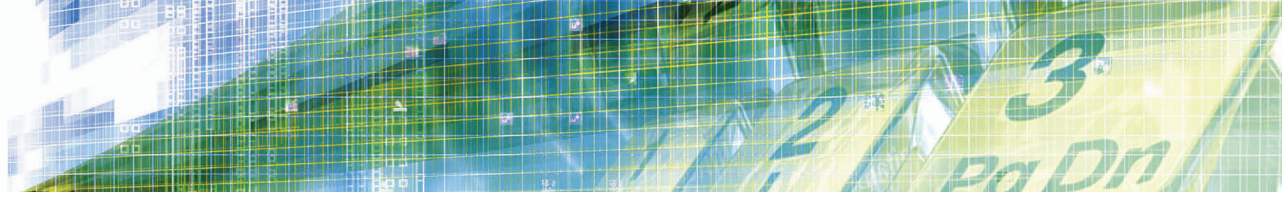
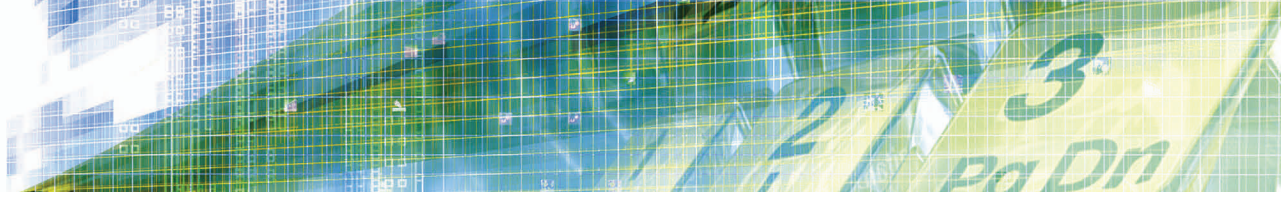


Table of Contents

Introduction	3
Statement of Intent	3
Implementation Guidelines.....	4
Communication Methods.....	4
Supported Transactions	4
Envelope Information.....	5
Specification Documents.....	5
Special Notes.....	6
Customer Guidelines	7
Purchase Order	7
POA	8
Invoice	9
Price Sales Catalog	10
Advance Ship Notice	11
Supplier Guidelines.....	12
Purchase Order	12
POA	13
Invoice	14
Advance Ship Notice	15

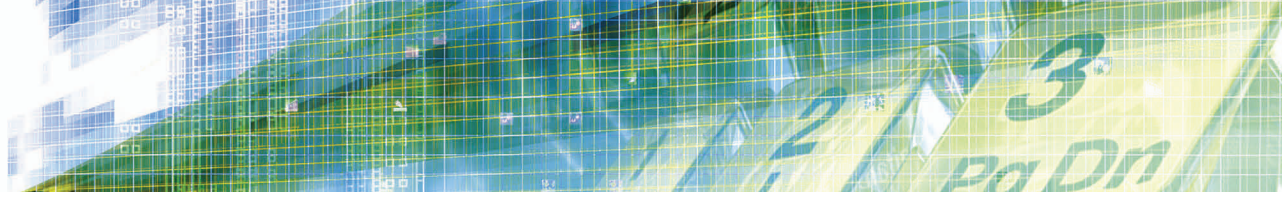


Introduction

Statement of Intent

This document defines Fisher Scientifics' utilization of the ANSI X12 Standards for doing business electronically. We support a variety of EDI documents for customers and suppliers. This manual provides detailed information and technical specifications for these integrations.

All information contained herein is subject to change at the discretion of Fisher Scientific Company, L.L.C.



Implementation Guidelines

Communication Methods

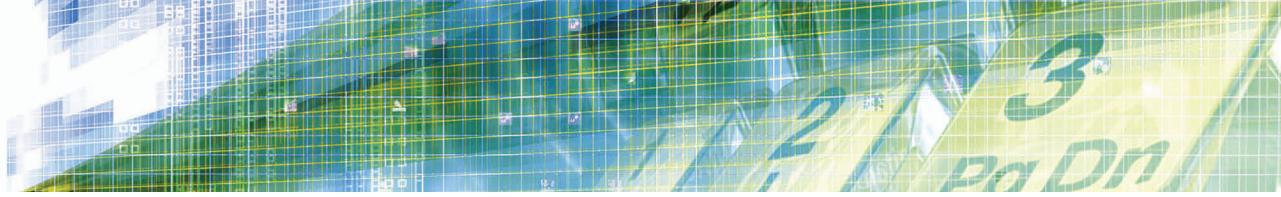
Fisher Scientific offers a variety of connectivity options to meet both our customer and supplier needs:

- **Value Added Network (VAN)** - GXS via ICS platform with interconnects to all major Value Added Networks.
- **FTP** - Sterling Connect Enterprise with a personally maintained customer or supplier mailbox on the Test and Production platforms. Secure FTP is also available.
- **AS2** - Fisher Scientific transmits most EDI data to GXS via WebMethods 6.1 (Certificates provided upon request). Direct AS2 connections are also available. Certificates are to be exchanged prior to test date.
- **Third Party Approved Formats** - ADX, True Commerce, Softshare, SPS Commerce and DI Central

Support Transactions

Fisher Scientific supports the following EDI transactions:

- Customer
 - 810 - Invoice (v2000 thru v4010)
 - 832 - Price Sales Catalog (v3020 & v4010)
 - 850 - Purchase Order (v2000 thru v4010)
 - 855 - Purchase Order Acknowledgement (v2000 thru v4010)
 - 856 - Advance Ship Notice (v3020 & v4010)
 - 997 - Functional Acknowledgement
- Supplier
 - 810 - Invoice (v2000 thru v4010)
 - 850 - Purchase Order (v2000 through v4010)
 - 855 - Purchase Order Acknowledgement (v2000 thru v4010)
 - 856 - Advance Ship Novice (v3020 & v4010)



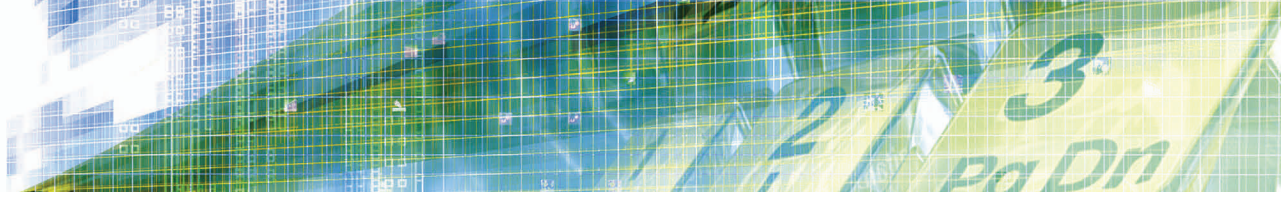
Envelope Information

Fisher Scientific CUSTOMER Envelope Information	
Production ISA ID Qualifier	14
Production ISA ID	004321519IBMP
Production GS ID	004321519
Test ISA ID Qualifier	14
Test ISA ID	004321519IBMT
Test GS ID	004321519
ANSI X12 Version	4010, preferred
Primary VAN	GXS

Fisher Scientific SUPPLIER Envelope Information	
Production ISA ID Qualifier <i>(For 850, 810 & 867)</i>	09
Production ISA ID Qualifier <i>(For 855 & 856 ONLY)</i>	14
Production ISA ID <i>(For 850, 810 & 867)</i>	004321519VNDP
Production ISA ID <i>(For 855 & 856 ONLY)</i>	004321519IBMP
Production GS ID	004321519
Test ISA ID Qualifier <i>(For 850 & 810)</i>	09
Test ISA ID Qualifier <i>(For 855 & 856 ONLY)</i>	14
Test ISA ID <i>(For 850 & 810)</i>	004321519VNDP
Test ISA ID <i>(For 855 & 856 ONLY)</i>	004321519IBMP
Test GS ID	004321519
ANSI X12 Version	4010, preferred
Primary VAN	GXS

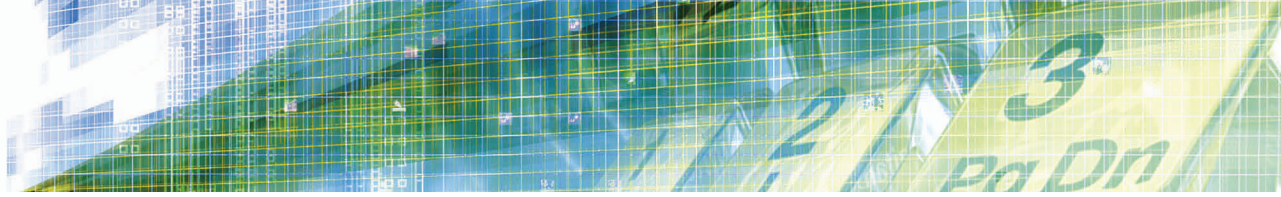
Specification Documents

All of Fisher Scientifics’ EDI Specification documents are available for download on our website at www.FisherWebServices.com.



Special Notes

- Fisher Scientific accepts the basic and extended ANSI X12 character sets for use as a terminator, data element separator and sub-element separator. Please refrain from using these characters in any data contained within the document except for use as a delimiter.
 - Fisher Scientifics' system modifies the delimiters received in the customer and supplier data to an asterisk (*) and tilde (~). Any transmissions that contain either of these characters in the data will automatically fail during translation and will require modification and resubmission by the trading partner.
- Please refrain from using any special characters in transmissions (e.g. á, è, ç, ½). Data contained in documents sent to Fisher Scientific should be limited to standard keyboard character sets.
- A Functional Acknowledgement (997) is expected for all transactions delivered by Fisher Scientific to our customers and suppliers.

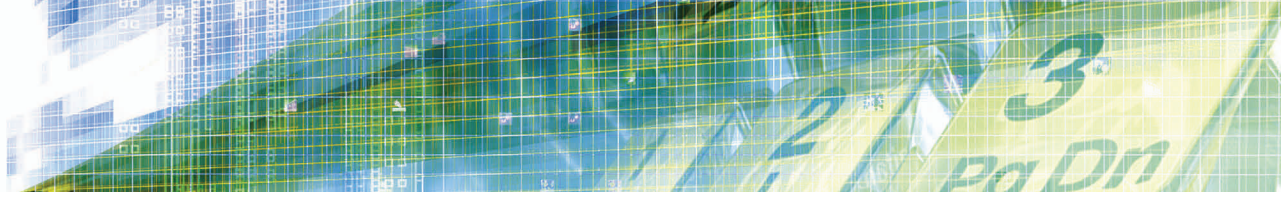


Customer Guidelines

Purchase Order

Fisher Scientific has the ability to accept purchase orders from customers via 6 methods – EDI, cXML, xCBL, Fax, Email or Phone.

- Fisher Scientific prefers that the customer send a purchasing contact name and phone number on the electronic order for customer service reference. If this information cannot be sent then a default contact name, phone and email address should be provided.
- All header and line level **notes or message segments** received are passed with the order. Comments are not read by customer service or the warehouse staff due to the Fisher automated process.
- Orders are processed and shipped based on either:
 - The address that resides on Fisher Scientific's system or
 - From the address provided in the EDI data in the N1*ST Loop (**Address Override**). Address override is limited to 5 lines, 25 characters per line. Line 6 of the address is the **Attention Line**. This line is also limited to 25 characters. Fisher Scientific commonly uses data from the PER segment with an NT qualifier to populate the attention line.
- If the address that resides on Fisher Scientific's system is to be used, the customer must either pass the **Fisher Scientific account number** or a **ship-to location code** in the N104*ST.
 - If the Fisher Scientific account number is sent, it should be 9 digits in length with no dashes (6 digit base with 3 digit destination). An '91' qualifier should be used in the N103.
 - If ship-to location code is sent, it should be limited to 17 characters in length. A '92' qualifier should be used in the N104.
- The customer must provide all Bill-to and Ship-to account numbers with Ship-to Location Codes prior to go-live.
- **Customer Specific Data** from the purchase order can be passed to the invoice, POA or packing list. Fisher Scientific must be notified of this requirement prior to the testing phase so that appropriate test scenarios can be initiated.

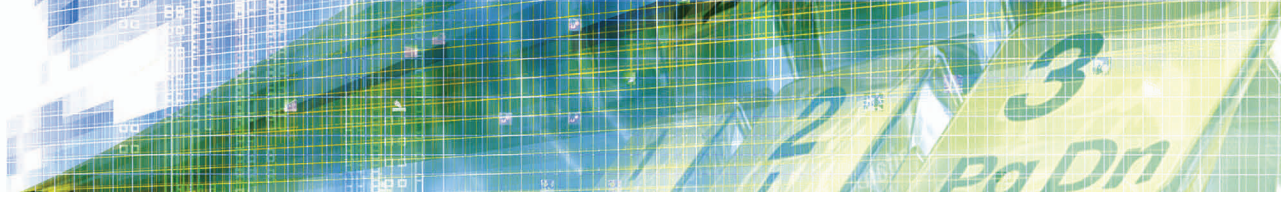


- The **Purchase Order (850)** EDI Specification Guide can be found at www.FisherWebServices.com.
- For information and detail specifications on submitting **cXML** or **xCBL** orders please refer to our **Integration Services Guide**, which can be found at www.FisherWebServices.com.

POA

Fisher Scientific has the ability to send acknowledgments for customer purchase orders via 4 methods – EDI, cXML, Fax or Email.

- Electronic acknowledgements are based on the **order entry method**:
 - All order entry sources (internet, EDI, cXML, phone, fax, email) will receive an electronic POA or
 - Electronic order entry sources only (EDI, cXML, xCBL) will receive an electronic POA.
- If an **email acknowledgement** is expected, the customer is required to provide either the email address on each purchase order or a default address for all orders. Fisher Scientific does not support an email acknowledgement if the electronic purchase order is received with ANSI X12 version of 3010 or below.
- If a **fax acknowledgement** is expected, the customer is required to provide either the fax number on each purchase order or a default fax number for all orders.
- **Back order notifications** can be sent via email. This notice is issued when the supplier changes the availability date.
- Fisher Scientific will provide an order status code as well as the estimated delivery date for each line when a valid date is available.
- **Customer specific data** is available on the acknowledgement from information contained on the purchase order. This can be data that is sent at the header of the order or line level data.

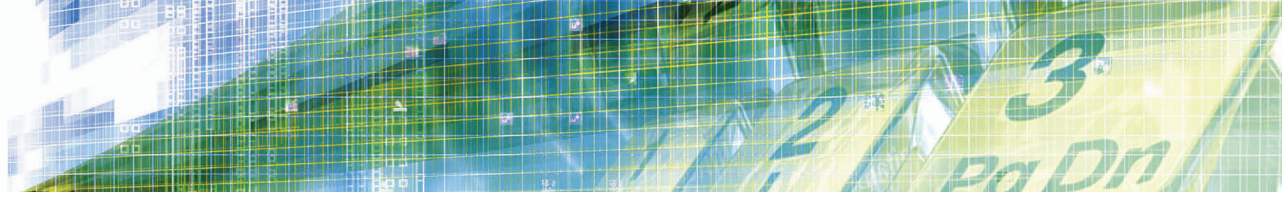


- The **Purchase Order Acknowledgement** (855) EDI Specification Guide can be found at www.FisherWebServices.com.
- For information and detail specifications on receiving **cXML** purchase order acknowledgements please refer to our **Integration Services Guide** that can be found at www.FisherWebServices.com.

Invoice

Fisher Scientific has the ability to send invoices for customer purchase orders via 2 electronic methods – EDI or cXML.

- Electronic invoices are based on the **order entry method**.
 - All order entry sources (internet, EDI, cXML, phone, fax, email) will receive an electronic invoice or
 - Electronic order entry sources only (EDI, cXML, xCBL) will receive an electronic invoice.
- Invoices are generated **Tuesday through Saturday** mornings. There will be a maximum of 200 invoices per envelope.
- Fisher Scientific has the ability to support **credit memos** electronically. Detailed functional specifications regarding dollar amount formats must be provided.
- Invoice numbers are 7 digits in length and are recycled. There is a chance an invoice number will repeat within the same year. If the customer does not have the ability to receive a recycled invoice number, Fisher Scientific is able to add data (single character, date, etc.) to the end of the invoice number to make it unique. This should be discussed with the ecommerce analyst during the invoice implementation phase.
- Multiple **N1 Loops** can be provided on the invoice – ST-ShipTo, SE-Seller, BT-BillTo, RE-RemitTo, SF-ShipFrom.
- Customer specific data is available on the invoice from information contained on the purchase order. This can be data that is sent at the header of the order or line level data.

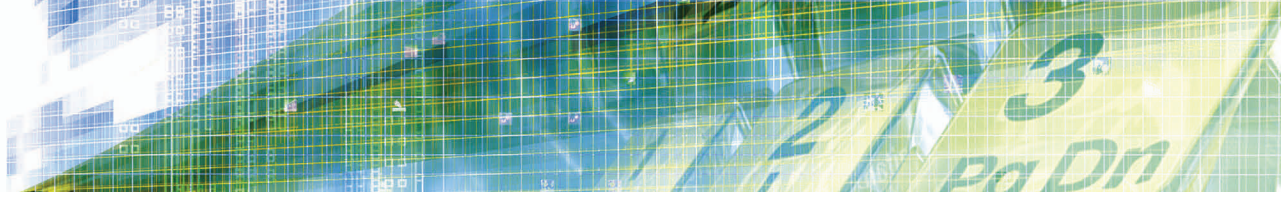


- Electronic invoices are based on the **order entry method**.
- **Miscellaneous charges** are always provided at the summary level of the invoice. All possible miscellaneous charges are noted in the functional specifications.
- **Discount terms** will always be sent as Net 30.
- **Paper invoices** can be turned off after testing or left in a parallel mode for a maximum of 2 weeks from the go-live date based on the customer's discretion.
- The **Invoice (810)** EDI Specification Guide can be found at www.FisherWebServices.com.
- For information and detail specifications on receiving **cXML** invoices please refer to our **Integration Services Guide** that can be found at www.FisherWebServices.com.

Price Sales Catalog

Fisher Scientific supports sending of a price sales catalog via 2 methods – EDI or Excel.

- The standard **EDI Price Sales Catalog is based on 15 months of sales history**. This sales history will determine the item listing. The master pricing account will determine the contract price.
- The catalog can be delivered on a **Monthly, Quarterly or Yearly** schedule.
- The customer part number can be sent on the price sales catalog if Fisher Scientific maintains a cross reference (speed file) file.
- The customer can receive either the standard UOM (lowest selling UOM) or both the standard and alternate UOM. If both are requested, 2 LIN segments with the same item number will be sent along with a CTP containing the price per UOM.

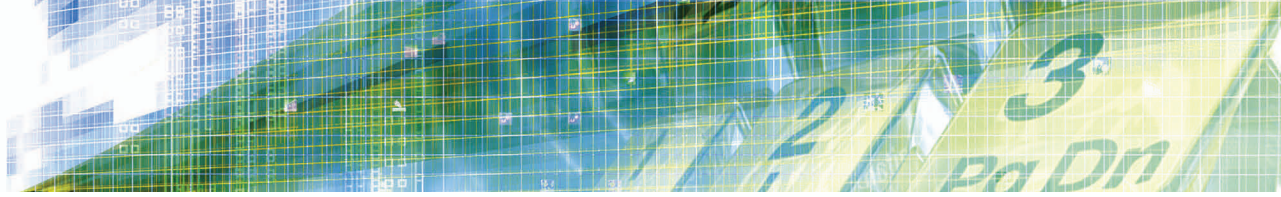


- All price catalog requests must be **approved by the Fisher Scientific Pricing Group** to insure up to date pricing.
- The **Price Sales Catalog (832)** EDI Specification Guide can be found at www.FisherWebServices.com.

Advance Ship Notice

Fisher Scientific has the ability to send advance ship notices.

- The HL segment occurs at various levels within the ship notice. The item level will always be included in the transaction. There are 4 hierarchical levels available – Shipment Level, Order Level, Item Level and Tare Level.
- The Shipping Notice transaction set may contain only one shipment and one order hierarchy, however, there may be one or more item hierarchies.
- The customer is required to provide their Advanced Ship Notice functional specifications for reference purposes.
- Advanced Shipment Notices are initiated **after the Fisher Scientific order has shipped**. It is sent real time. In the case of a shipment that is being sent directly from one of your suppliers, the ASN is initiated after the supplier invoices has been received and matched to the corresponding Fisher Scientific order.
- The DTM segment can either indicate the Shipped Date or Estimated Delivery Date. This must be specified by the customer as to which is preferred.
- The **Advance Ship Notice (856)** EDI Specification Guide can be found at www.FisherWebServices.com.

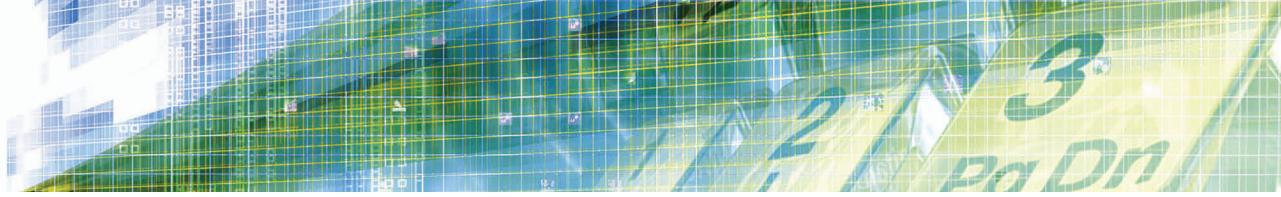


Supplier Guidelines

Purchase Order

Fisher Scientific has the ability transmit EDI purchase orders electronically to our suppliers.

- Purchase orders are sent **every hour on the half hour** from 6:30 AM EST through 7:30 PM EST, Monday through Friday.
- Fisher Scientific mandates that a 997 Functional Acknowledgement for all purchase orders be delivered via EDI.
- MSG segment comments will always be sent on direct ship orders.
- Fisher Scientific can provide an N1 Loop with the BT-Bill-to, ST-Ship-to and VN-Vendor qualifiers and values
 - The N1 Bill-to loop will provide the Fisher Scientific Duns number
 - The N1 Ship-to loop will provide the Fisher Scientific warehouse codes in the N104. The Fisher Scientific N104 does not represent an identification number for the customer site.
- The following structure will comprise the N1 Ship-to address for **drop shipments**:
 - N1
 - N2 is optional
 - N301 with the customer PO number
 - N302 address line
 - A second N301 and N302
 - N4
- Fisher Scientific provides the customer purchase order number in the N301 of the ship-to address to allow for ease of delivery of the direct shipment orders. If supplier is unable to read the address line from the N302 Fisher Scientific can replace the N301 with the N302. This should be discussed with the ecommerce analyst during the implementation phase.

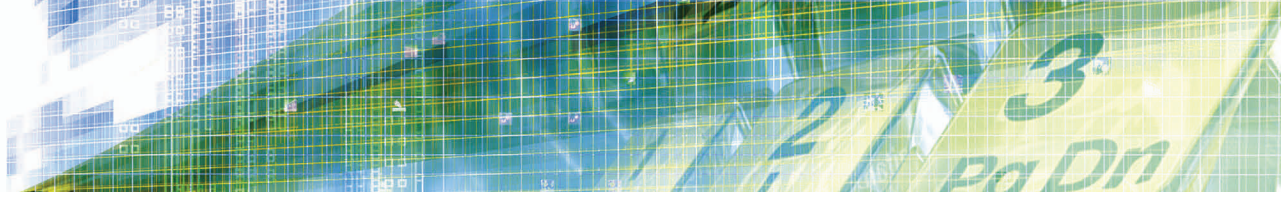


- For the N1 'ST' loop, if the BEG02 = 'DS', the value in the N104 does not represent an Identification Number for the Customer Site. For 'DS' orders, the address information specified in the N1-N4 'ST' loop should be used.
- The DTM segment will indicate the expected delivery dates.
 - SA – Standalone orders will issue an '038' – Ship no later than date
 - DS – Drop shipment orders will indicate a '367' – Due to the customer date
- The purchase order total in the AMT segment will submit the PO total with 2 decimal positions.
- The **Purchase Order (850)** EDI Specification Guide can be found at www.FisherWebServices.com.

POA

Fisher Scientific has the ability to accept EDI purchase order acknowledgements electronically from our suppliers.

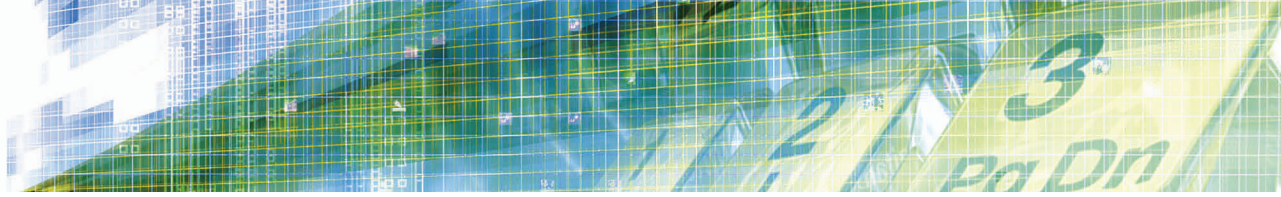
- Fisher Scientific expects the N1*SF – ship from name.
- The PO number must match the Fisher Scientific PO number.
- The supplier UOM must match the Fisher Scientific UOM.
- The supplier vendor catalog number must match the Fisher Scientific product number.
- Fisher Scientific accepts a secondary POA for re-promise dates if delays are later known.
- The **Purchase Order Acknowledgement (855)** EDI Specification Guide can be found at www.FisherWebServices.com.



Invoice

Fisher Scientific has the ability to accept and prefer to receive EDI invoices electronically from our suppliers.

- Fisher Scientific collects invoices throughout the day and processes them into the accounting system once a day. Invoices received after 6:00 PM EST are processed the following evening.
- All **price and UOM differences** from what was sent on the purchase order and received on the invoice will cause the order to kick out of the Fisher Scientific AP system and cause a delay in payment.
- The BIG07 (Transaction Type Code) is a **mandatory** field for Fisher Scientific and must be sent or the invoice will kick out during translation.
- The invoice number must be **unique**. Any duplicates will be rejected.
- Only the N1*RE is recognized by Fisher Scientific. All other N1 loops will be ignored.
- A three-character line number in the IT101 is preferred but not required.
- The supplier **must** provide in the IT1 either the 'CB/BP' qualifier with Fisher Scientific's part number or the 'VC/VP' qualifier with the supplier's part number **exactly as sent on the PO**. If both are provided, only the 'CB/BP' will be used.
- The SLN segment is **required** from all suppliers submitting line items that are 'Lot Controlled'. If there is more than one lot number for a product, provide as many SLN segments as are needed. (A maximum of 50 are permitted). This segment is not required unless specifically requested by Fisher Scientific.
- The invoice total dollar amount must match the extended line item dollar values and any freight or miscellaneous charge dollar amounts.

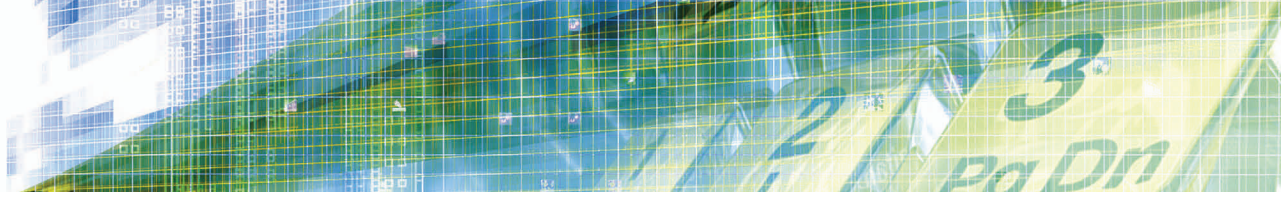


- The SAC or ITA miscellaneous charge codes are validated. Those not listed below will be rejected.
-
- V4010 – A010, C310, C510, C590, D200, D240, D270, D540, D820, F050, F155, F230, G470, G740, G830, H750, I250, I530 and ZZZZ
- Versions lower than 4010 – FS, IN, FA
- Any charge code not listed above that the supplier expects to send should be discussed with the ecommerce analyst during invoice implementation phase.
- Partial ship invoices are accepted as long as the line number on the invoice matches that sent on the purchase order.
- The **Invoice (810)** EDI Specification Guide can be found at www.FisherWebServices.com.

Advance Ship Notice

Fisher Scientific has the ability to accept EDI advance ship notices electronically from our suppliers.

- Fisher Scientific prefers that line volumes higher than 10,000 lines submit a pallet level ASN.
- Please note that the receiver id is different from the sender id that Fisher Scientific sends on the purchase order.
- Lot controlled items will require the SLN segment with the lot number and expiration dates.
- The PRF segment must contain the Fisher Scientific purchase order number. The PO number must appear in the HL 2 loop of the Order HL level.
- The MAN segment is only required on the Tare level. The SSCC-18 identifier is required.



- Recommended Formats:
 - Shipment Level ASN – required order
 - BSN
 - HL*1*S
 - DTM*011*CCYYMMDD
 - HL*2*1*O
 - PRF*FISHER PO
 - HL*3*2*P
 - MAN*SM*00000 (optional)
 - HL*4*3*I
 - LIN*1*CB*211992
 - SN1*1*EA*VALUE FROM PURCHASE ORDER
 - Followed by multiple item loops
 - Pallet Format – required order
 - BSN
 - HL*1*S
 - DTM*011*CCYYMMDD
 - HL*2*1*O*1
 - PRF*FISHER PO
 - HL*3*2*T*1
 - MAN*SM*00000 (mandatory)
 - HL*4*3*I*1
 - LIN*1*CB*211992
 - SN1*1*EA*VALUE FROM PURCHASE ORDER
 - PID*F****DESCRIPTION
 - Followed by multiple item loops

- The **Advance Ship Notice (856)** EDI Specification Guide can be found at www.FisherWebServices.com.