



EDI Business Process Guide

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1 Business Process Overview

1.1 EDI Function within the Business Process

INTRODUCTION TO ELECTRONIC DATA INTERCHANGE (EDI)

EDI is defined as the electronic transmission of business documents in a standard format between two companies. The definition can be expanded further to include the electronic transmission of business documents from the application program of one computer to the application program of another computer within the framework of a standard format. The key elements in the definition are business documents and standard format. EDI reduces cost and errors associated with the paper document environment. EDI also provides a rapid transfer of information between trading partners, which has become mandatory in today's business.

ASC X12

ASC X12 format consists of data elements grouped together in segments. Each X12 transaction set is made up of a list of segments. The beginning of a transaction is identified by a header segment "ST", and the end of the transaction is identified by an "SE" segment. Several transactions of the same type can be functionally grouped together. The beginning of a functional group is indicated by a group header segment identified by "GS", and the end of a functional group is indicated by a segment identified by "GE". One or more groups are bound together within an interchange envelope made up of an "Interchange Control Header" identified as "ISA" and an "Interchange Control Trailer" identified as "IEA". There is a diagram on the next page depicting the X12 hierarchical structure.

Testing and Certification

Each new transaction set will require testing and certification by our EDI support staff. Once the transaction set has been certified, we will make arrangements with your EDI staff to begin transmission of data using the newly tested transaction set. For further details on how to obtain testing information, please send inquires to <mailto:cvsemi@Meritor.com>

1.2 Transaction Frequency

Cummins-Meritor will send an 830 containing both forecast and firm requirements to their suppliers frequently. Each plant will send a separate 830 based on their requirements. Suppliers are required to send an ASN for every shipment made to an Cummins-Meritor plant. Each ASN, 856, should represent one shipment identified by the Shipment Identification Number.

1.3 Cummins-Meritor Processing

Supplier ASNs will be pulled from IBM mailboxes every 30 minutes. ASNs pulled will be processed through our EDI translator, and a 997 Functional Acknowledgement (FA) will be generated. The FA will give details of the accuracy of the syntax of the 856 transactions. FA's will immediately be sent back to the supplier's mailbox.

1.4 Supplier Support

The following indicates the appropriate contact email to be used by suppliers when they have an issue with an EDI transaction. <mailto:cvsemi@Meritor.com>

Suppliers must remember that these contacts will only be able to assist with EDI issues. Issues related to Purchasing/Procurement, i.e., purchase order and data related information, must be directed to your Cummins-Meritor corporate buyer.

2 Site Codes

The following table provides the Cummins-Meritor Sites with associated DUNS:

Cummins-Meritor, Inc.

#	Site	Business	DUNS	DESCRIPTION
1	Asheville*	Truck/Trailer	057174658	Asheville
2	Forest City*	Truck/Trailer	127750425	Forest City
3	Frankfort*	Truck/Trailer	043190110	Frankfort
4	Frankfort Brake*	Truck/Trailer	603569794	Frankfort Brake
5	Franklin*	Truck/Trailer	006379002	Franklin IO
6	Laurinburg*	Truck/Trailer	19236168A	Laurinburg Specialty
7	Manning*	Truck/Trailer	556378979	Manning
8	Maxton *	Truck/Trailer	068166453	Maxton Driveline
9	Monterrey*	Truck/Trailer	812943025	Monterrey
10	Morganton*	Truck/Trailer	091258517	Morganton
11	Morristown*	Truck/Trailer	095047825	Morristown
12	Troy	Corporate	052354297	Meritor Troy
13	York*	Truck/Trailer	045297967	Meritor York
14	York Brake*	Truck/Trailer	780969007	York Brake
15	Escondido *	Truck/Trailer		
16	Florence	Aftermarket	30953426	
17	Plainfield	Aftermarket	P50204002	
18	Edmonton	Aftermarket	247085061EDM	Aftermarket Edmonton
19	Mississauga	Aftermarket	247085061MGA	Aftermarket Mississauga IO
20	Monterrey	Aftermarket	812944767AFT	Aftermarket Monterrey
21	Sisamex Mexico	Truck/Trailer		
22	Oshkosh (JDE-Axletech)	Truck/Trailer		

CVS (Commercial Vehicle Systems) sites are indicated with a *

3 Communication Requirements

Third Party Value Added Network (VAN)

For Cummins-Meritor to transmit documents to hundreds of Suppliers, we have chosen the VAN services of IBM third party network. This doesn't mean that you must sign up with these networks to communicate with us. Ask your network provider how to pass data through (Interconnect vs direct connect) to the IBM network.

There are different ISA/GS requirements as well as communication vehicle (VAN) depending upon which Cummins-Meritor plant(s) the supplier ShipTo's according to ERP. Please see Site Table above for plant DUNS.

Note the following for Cummins-Meritor ISA ID details:

Example of Cummins-Meritor EDI ISA Qualifier IDs per VAN:

ISA - 01:052354297S

GS - 052354297S

4 EDI Transaction Notes

4.1 856 – BSN02

This number is the S.I.D. number (Shipment Identification Number) of the shipment. It is usually the Bill of Lading number, although it may be any number assigned by the vendor. The only requirement is that this number does not repeat for a period of one year. This number should be referenced on all shipping documents.

If, for example, the vendor wants to be paid by the packing slip number then only one packing slip should be included with the ASN. The packing slip number will then be placed in the BSN02 field as well as the packing slip reference segment. If multiple packing slips were included in the ASN then all would be paid under the packing slip number in the BSN02 field.

4.2 856 – Shipment REF*BM

This is a mandatory segment in the Shipment area, which is equivalent to the S.I.D. number (Shipment Identification Number) of the shipment. It is usually the Bill of Lading number and must match the content of the BSN02 (as noted above).

4.3 830 & 856 - LIN01 and 856 - DTM*371

There are minor additional requirements on the 830s required for turnaround data to Cummins-Meritor plants. The addition of the PO Line Number located in the LIN01 will be sent on the 830 and expected back on the 856, also on the LIN01.

Along with the PO Line Number requirement on the 856, we require an additional DTM segment on the Shipment Level denoting the Estimated Arrival Date, qualifier '371'.

If you are unable to send CVS Sites mandatory requirements of PO Line Number and additional DTM*371 segment, please call your Planner to obtain access logon onto the iSupplier Portal. You are required to send either 856s via EDI or enter the shipments onto the iSupplier Portal.

4.4 830 BFR Segment

BFR01 – Purpose Code “05”, replacement of all existing schedules. This is the normal purpose code used by all North American CVS plants and represents a complete replacement of all schedules. All existing schedules for the designated purchase order are to be deleted and replaced by the new 830 release.

NOTE: A zero quantity schedule will NOT be sent for cancellations.

5 Transaction Definition

Transaction Name: Advance Ship Notice
Transaction Code: 856
Transaction Version : ANSI X12, version 004010

The Advance Ship Notice (EDI 856) must be sent by all suppliers to Cummins-Meritor prior to the physical receipt of the material at our manufacturing facility. The Ship Notice must be representative of the supplier's shipment, containing shipping information and material contents. This information must be communicated as soon as a shipment leaves the supplier's location, or at an agreed upon time relative to close-proximity suppliers, as it will be used to facilitate the receiving process at Cummins-Meritor. In some instances, the ASN will be used to initiate an ERS (Evaluated Receipts Settlement) for non-invoice payments to the supplier.

5.1 CVS Requirement Details:

5.1.1 830version002002

- PO Line Number to be sent in LIN01 within LIN LOOP.
- Firm quantities will be reflected on daily requirements, for example:
`FST*450*C*D*050213`
- Planned quantities will be reflected for weekly and monthly requirements, for example:
`FST*25000*D*W*050509`

5.1.2 8560 004010

- Required turn-around of the PO Line Number to be sent in LIN01 within LIN Loop.
- Estimated Arrival Date qualifier '371' to be sent in DTM01 within HL Shipment Level Loop.
`DTM*371` should appear after the `REF*BM`

6 EDI Guidelines

The following link is to the 830 and 856 Implementation Guides:

[Cummins-Meritor 830 v4010](#)

[Cummins-Meritor 856 v4010](#)