

CUSTOMER SERVICE NOTE

ELECTRONIC DATA INTERCHANGE

Introduction

Electronic Data Interchange (EDI) has become an important data transmission element in today's marketplace. Micron is ready to serve your EDI needs and encourages customer participation.

Standards Supported X.12

Micron supports versions 002000 through 004030 for all implemented transaction sets.

X.12 Transaction Sets

INBOUND	OUTBOUND
850 - PO	855 - PO Acknowledgment
860 - PO Change	865 - PO Change Acknowledgment
	856 - Advanced Ship Notice
846 - Inventory Inquiry/ Advice	810 - Invoice
867 - Product Transfer and Resale	832 - Price/Sales Catalog
844 - Credit Request Adjustment	849 - Credit Request Response
861 - Shipping Schedule Response	862 - Shipping Schedule
997 - Functional Acknowledgment	997 - Functional Acknowledgment

EDIFACT/EDIFACE

Micron supports EDIFACT under the 90.1 EDIFICE guidelines, and EDIFACT versions 92.1 D93A and D97A for all implemented messages. These messages include purchase orders (POs), PO acknowledgments, PO changes, and PO change acknowledgments.

EDIFACT/EDIFACE Transaction Sets

INBOUND	OUTBOUND
ORDERS - PO Message	ORDRSP - PO Response Message
ORDCHG - PO Change Request Message	INVOIC - Invoice Message

INBOUND

- INVRPT - Inventory Inquiry/ Advice
- RESRPT - POS and Credit Requests
- SSDCLM - Credit Request
- SLSRPT - Sales Report
- CONTRL - Functional Acknowledgment

OUTBOUND

- DESADV - Dispatch Message Advice
- PRICAT - Price/Sales Catalog
- SSDRSP - Credit Request Response
- CONTRL - Functional Acknowledgment

RosettaNet

Micron supports the RosettaNet standard, using both versions (1.1 and 2.0) of the RosettaNet Implementation Framework (RNIF). We try to implement specific versions of the RosettaNet Partner Interface Processes (PIPs) and, if we do not have a specific PIP implemented, we usually will implement the most current validated PIP version.

RosettaNet Partner Interface Processes

- 2A12 - Distribute Product Master (inbound from e-hub)
- 3A6 - Distribute Order Status (inbound from e-hub)
- 3B2 - Advance Ship Notice (inbound from e-hub)
- 3A4 - PO/PO Response Message (customer-initiated to Micron)
- 3A7 - Notify of Purchase Order Update (Micron-initiated to customer)
- 3A8 - Request Purchase Order Change (customer-initiated to Micron)
- 3A9 - Request Purchase Order Cancellation (customer-initiated to Micron)
- 3C3 - Invoice (Micron-initiated to customer)
- 3C4 - Notify of Invoice Reject (customer-initiated to Micron)
- 3B2 - Advance Ship Notice (Micron-initiated to customer)

EDI Transmission Protocol

Micron sends EDI documents via standard protocols utilizing the following value-added networks: ICC and IBM Global Service (Advantis). Micron uses other connectivity methods, including encrypted SMTP, secure FTP, and HTTP/S (primarily for RosettaNet exchanges).

Transmission Times

Transmissions occur every 15 minutes, 24 hours a day. Additional transmission times can easily be added as circumstances warrant.

Micron EDI Contacts

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Steps to Implementation

The following are typical steps taken when Micron begins exchanging electronic data with a new trading partner.

- Micron receives an implementation guide from a trading partner.
- Micron's Connectivity team contacts the trading partner's connectivity coordinator to set up a trading partnership and coordinate the transmission and receipt of test documents.

- Micron receives a test document from the partner and responds with the necessary acknowledgments.
- Once both parties agree everything is working properly, parallel testing with electronic transactions and paper documents may begin.
- Micron ensures necessary legal agreements have been signed and returned to the trading partner.
- Paper documents are replaced with electronic documents (full production).

Lead Times for Full Production

For all types of exchanges (X.12, EDIFACT, and RosettaNet), completion of the implementation, from initial discussion to full production, averages one month from the time the project has been reviewed and approved by Micron's project house to the time resources have been assigned. (Implementation time is longer for larger projects.)

If, during the course of testing, the project requirements change drastically or new requirements are added, another review by the project house and rejustification of resources may be necessary.



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