McLane Company Inc.
Technical Reference Manual

This **Technical Reference Manual** is designed to be used as an EDI implementation aid by your company's EDI coordinator or data processing personnel. The manual explains the computer communications requirements and the format of the transaction sets used between McLane Company and our trading partners.

The present **Technical Reference Manual** has the following seven sections:

- Setup/Communications Requirements

- 810 - Invoice Format

- 850 - Purchase Order Format

- 856 - Advanced Ship Notice

- 875 - Purchase Order Format

- 880 - Invoice Format

- 997 - Functional Acknowledgment Format

It is imperative that your company's EDI coordinator or data processing personnel have this document since they will be directly responsible for EDI activities on your system. Forward the name and telephone number of your company's EDI coordinator to a member of the McLane EDI Support Team as soon as it is known.

If you have any questions or problems with implementing your company's EDI process, call a member of the McLane EDI Support Team:

Beckey James   (254) 771-7909   bjames@mclaneco.com
Shirl Johnson   (254) 742-3657   sjohnso@mclaneco.com

DIRECT COMMUNICATIONS REQUIREMENTS

UDS V.32 MODEM CONFIGURATION FOR MACNET NETWORK.

MODEM PARAMETERS

MODE OF OPERATION	NORMAL/ORIGINATE
DATA RATE	9600 TRELLIS CODED
FAST TRAIN	ENABLED
AUTO RETRAIN	ENABLED
TRANSMIT CLOCK	INTERNAL
LINE	DIAL
JACK TYPE	PERMISSIVE
LINE CURRENT DISCONNECT	DISABLED
LONG SPACE DISCONNECT	DISABLED
V.22 GUARD TONE	DISABLED

DTE PARAMETERS

DATA	SYNC
DIAL METHOD	MANUAL
AT COMMAND SET	DISABLED
DTR	RESPONDS TO
DSR	NORMAL
DCD	FOLLOWS REMOTE
CTS	FOLLOWS RTS
RTS/CTS DELAY	30ms
DTE FALLBACK	DISABLED
OPTIONS AT DISCONNECT	RETAINED

PROTOCOL/LINE INFORMATION

PROTOCOL: IBM 3780 Bisynchronous or IBM SNA/SDLC Synchronous

Line Information	9600 Bisync Baud Line	9600 SNA Baud Line
Modem Type	V.32	V.32
Duplex	Full	Full
Telephone Number		
Production	1-254-7780037	AS COORDINATED
Test	1-254-7703331	AS COORDINATED
Line Type	Public Switched Telephone Network	Public Switched Telephone Network
Buffer Size	512 Bytes	512 Bytes

REMOTE ID FORMATS

McLane Company will assign a unique, confidential Remote ID (mailbox) to your remote site. This ID will be assigned when you begin testing direct communications.

This ID will be used exclusively for EDI formatted data. Examples of EDI formatted data are Purchase Orders, Acknowledgments, Invoices, etc..

BATCH ID FORMATS AND USAGE

Bisync Usage:

Usage	Record	ID=	BATCHID= or BID=	Options Available
Accessing EDI formatted data sent to your site from McLane	$$REQUEST or $$REQ	XXXXXXXX See Note 1.	N/A	See Table 1.1
Sending EDI formatted data to McLane from your remote site	$$ADD	XXXXXXXX See Note 1	'STD FMT DATA'	N/A

Note 1: Replace the XXXXXXXX with the Remote ID (mailbox) assigned to you for EDI formatted data.

SNA Usage

Usage	Record	ID=	BATCHID= or BID=	Options Available
Accessing EDI formatted data sent to your site from McLane	$$REQUEST or $$REQ	XXXXXXXX See Note 1.	N/A	N/A
Sending EDI formatted data to McLane from your remote site	$$ADD	XXXXXXXX See Note 1	'STD FMT DATA SNA'	N/A

Note 1: Replace the XXXXXXXX with the Remote ID (mailbox) assigned to you for EDI formatted data.

Option	Description
Block=nn	Used to request McLane Company to send multiple records in a single data block separated by control characters. nn specifies the number of records per block.
BCHSEP=NO/OPT1 /OPT2/OPT3	Specifies the method used to separate batches sent to the remote site on the line when multiple batches are sent in single connection: NO Batches are not separated - concatenated and sent as single file. OPT1 At the end of each batch a EOT is sent to the remote, reads a response from the remote, and then sends a ENQ to request the use of the line. OPT2 Batches are separated using and ETX (X'03') OPT3 Batches are not separated. Multiple batches are concatenated and sent as single batch. ***However,*** individual batches are not flagged as transmitted until the communications is successfully complete.

CMP=NO/YES	Indicates whether blank compression is to be performed before data is sent to the remote.
TRUNC=NO/YES	This parameter specifies whether McLane Company truncates all trailing blanks from records prior to data transmission.

Table 1.1

MOST COMMONLY ASKED QUESTIONS

What hours is the McLane network available?

The McLane EDI Network (MACNET) will be available during these hours:

4:00 AM to 11:00 PM (CST) Monday-Friday
4:00 AM to 1:00 PM (CST) Saturday

Who do I call if I need technical assistance or have question about the McLane Network?

Support personnel are here to assist you with any problems from 8:00 AM to 5:00 PM Central Standard Time Monday thru Friday. If you have any questions or problems with implementing your company's EDI process, call a member of the McLane EDI Support Team:

Beckey James   (254) 771-7909   bjames@mclaneco.com
Shirl Johnson   (254) 742-3657   sjohnso@mclaneco.com

<u>Please have your Remote ID readily available when calling for support.</u>

Requesting a Batch

How do I receive a batch from my mailbox?

There are 2 methods that can be used for requesting EDI data.

- $$REQUEST ID=XXXXXXXX. This allows you to receive all available batches in your mailbox, that have not been previously transmitted.

- $$REQUEST ID=XXXXXXXX BID=#1234 (substitute 1234 with the specific batch number). This allows you to receive a batch by the specific batch number. A directory must first be submitted against your mailbox to determine what the batch numbers are. This also allows you to receive a batch that has been previously transmitted, but not marked for deletion.

If you receive the message "*** Error No Batches for Transmission", there are no batches in your mailbox that meet you request.

Receiving Previously Transmitted Batches

I need data re-transmitted.

To re-receive data, first submit a directory against your mailbox to obtain the batch number of the previously transmitted batch ($$DIRECTORY ID=XXXXXXXX). Then submit a request command that contains the specific batch number of the batch you wish to re-receive ($$REQUEST ID=XXXXXXXX BID=#1234).

Directories

Do I have anything in my mailbox?

The proper method for checking your mailbox is to submit a directory to MACNET. The command to receive a directory is:

$$DIRECTORY ID=XXXXXXXX

Substitute the X's with your Remote ID (mailbox). After submitting this command, you will receive a complete listing of all files in your mailbox, and the status of those files. If you receive only the message "End of directory", there is nothing in your mailbox.

Mailbox Id	Batch Num	Batch Size	Batch Id	Time - Date	Symbols
ZV99999E	#0000008	CT=000000002	BID=CONNECT CARD	1553-95003	A R M
ZV99999E	#0000009	CT=000000049	BID=STD FMT DATA OUT	1614-95003	A R E M
ZV99999E	#0000015	CT=000000345	BID=STD FMT DATA OUT	1220-95103	A R M
ZV99999E	#0000500	CT=000000001	BID=STD FMT DATA	512-96236	C B
ZV99999E	#0000501	CT=000000001	BID=STD FMT DATA	1517-96236	C B
ZV99999E	#0000502	CT=000000001	BID=STD FMT DATA	522-96236	C B
ZV99999E	#0000503	CT=000000001	BID=STD FMT DATA	1642-96236	C B
ZV99999E	#0000504	CT=000000001	BID=STD FMT DATA	1643-96236	C B

The following symbols are used to identify the status of a batch in a mailbox:

I   The batch is incomplete. Either collection is in progress, or the transmission was interrupted.

C   The batch was collected from a remote site, the remote site being you.

A   The batch was added at the host site - McLane

R   The batch may be requested in a $$REQUEST command from a remote site.

D   The batch has been flagged for deletion.

T   The batch has been transmitted to a remote site.

E   The batch has been extracted by the host site.

M   The batch is available for multiple transmissions.

X   The batch contains transparent data.

B   The batch originated from a BSC remote site.

S   The batch originated from a SNA remote site.

Multiple Batch transmissions

What happens when there are multiple files to be transmitted.

When multiple batches from one mailbox are transmitted to the remote site in a single connection, they are concatenated and sent as a single batch.

Transmission Cycles

How often is data placed into my mailbox?

Data is placed into the mailboxes within an hour after receiving from the specific application. The frequency of which you will receive orders is determined by the Purchasing Specialist. Some vendors receive orders every day, others receive them on a weekly or bi-weekly basis. It is best to keep in touch with the Purchasing Specilist when there is concern with the ordering cycle.

Mailbox Checking

How often should I check my mailbox?

Your mailbox should be checked at least **twice** per day. The optimum number of times a mailbox should be checked is three times daily. Seasonal vendors need to check their mailboxes during the time of year we begin sending orders. They too, should check their mailboxes twice daily during their season.

Functional Acknowledgments

Does McLane Company require a Functional Acknowledgment?

YES! McLane Company requires a Functional Acknowledgment not later than **6** hours after data has been placed into a mailbox. If a Functional Acknowledgment has not been received, someone from the EDI Support team will be giving you a call to ensure that you did receive the data. If a vendor continually does not send acknowledgments, the Purchasing Specialist will be notified and appropriate action will be taken.

Note: No vendor will be allowed to go into production until they can successfully transmit a Functional Acknowledgment to McLane Company.

Does McLane Company send a Functional Acknowledgment?

YES! McLane Company sends a Functional Acknowledgment within an hour after receiving the data from the specific application. If a Functional Acknowledge has not been received, someone from your EDI Support team should call a member of the McLane EDI Team to ensure that we did receive the data.

Third Party VANs

Does McLane support the use of a Third Party VAN?

McLane Company prefers its Vendors to dial directly into McLane's EDI Network. The use of a Third Party Network requires additional resources to be used by McLane Company. Request will be evaluated and coordinated on a case by case basis with a McLane EDI Coordinator.

Brokers

Does McLane Company supply the Brokers with a copy of the EDI Purchase Orders?

McLane Company **does not** send copies of the EDI Purchase Orders to the Brokers. The EDI Purchase Orders are sent directly to the Manufacturer. It is the responsibility of the Manufacturer to supply its Brokers with a copy of the EDI Purchase Orders.

Can the Broker call in to pick up my Purchase Orders?

McLane Company prefers its Vendors to dial directly into the McLane's EDI Network. It is possible for a National broker that services the McLane Company account to pick up your purchase orders. This is only done on an exception basis and must be coordinated between the **Vendor** and a McLane EDI Coordinator.

Ship to Locations
Dunns Numbers
Delivery Appointment Numbers

MCLANE SOUTHWEST 2828 INDUSTRIAL BLVD. TEMPLE, TX 76501 #009830555-0100 (254) 770 2800 Div. Code - SW PO Code - A	**MCLANE SOUTHEAST** HWY. 29 NORTH ATHENA INDUSTRIAL PARK ATHENS, GA 30603 #009830555-0400 (706) 543-1003 Div. Code - SE PO Code - B	**MCLANE CAROLINA** 7253 NC 48 BATTLEBORO, NC 27809 #009830555-0988 (252) 973-6727 Div. Code - NC PO Code - C
MCLANE SUNEAST 1818 POINCIANA BLVD. KISSIMMEE, FL 34758-2029 #009830555-0250 (407) 931-5200 Div. Code - ME PO Code - D	**MCLANE NORTHEAST** 2828 MCLANE DRIVE BALDWINSVILLE, NY 13027-1390 #009830555-0800 (315) 638-7500 Div. Code - NE PO Code - E	**MCLANE NORTHWEST** 9611 45th AVE., SW, BLDG. 4 TACOMA, WA 98499-3876 #009830555-0300 (253) 582-7500 Div. Code - NW PO Code - F
MCLANE SOUTHERN MANUFACTURES BLVD. INDUSTRIAL PARK ONE BROOKHAVEN, MS 39601 #009830555-0150 (601) 833-6761 Div. Code - SO PO Code - G	**MCLANE SUNWEST** 14149 W. MCDOWELL ROAD GOODYEAR, AZ 85338 #009830555-0850 (602) 935-7500 Div. Code -MS PO Code - H	**MCLANE MID-ATLANTIC** US HWY. 17 WEST OF I95 FALMOUTH, VA 22406-1147 #009830555-0450 (703) 374-2000 Div. Code - MZ PO Code - M
MCLANE SOUTHERN CALIFORNIA 4472 GEORGIA BLVD. SAN BERNADINO, CA 92404-1854 #009830555-0550 (909) 887-7500 Div. Code - SZ PO Code - N	**MCLANE CUMBERLAND** ROUTE 27 SOUTH @ ELIZABETH LANE NICHOLASVILLE, KY 40356 #009830555-0360 (606) 887-1490 Div. Code - MK PO Code - O	**MCLANE PACIFIC** 3876 E. CHILDS AVENUE SANTA FE INDUSTRIAL PARK MERCED, CA 95340 #009830555-0500 (209) 725-2500 Div. Code - MP PO Code - P
MCLANE MIDWEST 3400 E. MAIN STREET DANVILLE, IL 61832 #009830555-0350 (206) 582-7500 Div. Code - MI PO Code - R	**MCLANE HIGH PLAINS** 1717 E. LOOP 289 LUBBOCK, TX 79403 #009830555-0600 (806) 766-2900 Div. Code - HP PO Code - U	**MCLANE WESTERN** 2100 EAST HWY. 119 LONGMONT, CO 80504 #009830555-0200 (303) 682-7500 Div. Code - MW PO Code - W

Ship to Locations for Auxilary Warehouses
Dunns Numbers
Delivery Appointment Numbers

MCLANE SOUTHWEST A1F	MCLANE SOUTHEAST B1F	MCLANE PACIFIC P1F
McLane Loop Annex 6201 NW H.K. Dodgen Loop Temple TX 76504 #009830555-1100 (254) 770 2800 Div. Code - SW PO Code - A	555 Old Hull Road Athens, GA 30603 #009830555-1400 (706) 543-1003 Div. Code - SE PO Code - B	1700 Kibby Road Bldg. H Merced, CA 95340 #009830555-1500 (209) 725-2500 Div. Code - MP PO Code - P
MCLANE SUNEAST D1F	**MCLANE NORTHEAST E1F**	**MCLANE NORTHWEST F1D**
TPC INC. 1350 Sheeler Road Apoka, FL 32703 #009830555-1250 (407) 931-5200 Div. Code - ME PO Code - D	Garnet Distribution 2735 Brundage Road Baldwinsville, NY 13027 #009830555-1800 (315) 638-7500 Div. Code - NE PO Code - E	9501 Lakewood Dr. Suite A Lakewood, WA 98499 #009830555-1300 (253) 582-7500 Div. Code - NW PO Code - F
MCLANE SOUTHERN G1F	**MCLANE MIDWEST R1F**	**MCLANE PACIFIC P1F**
Beamer 113 Boyce Drive Brookhaven, MS 39601 #009830555-1150 (601) 833-6761 Div. Code - SO PO Code - G	800 South Gilbert Danville, IL 61834 #009830555-1350 (206) 582-7500 Div. Code - MI PO Code - R	1700 Kibby Road Bldg. H Merced, CA 95340 #009830555-1500 (209) 725-2500 Div. Code - MP PO Code - P
MCLANE SOUTHERN CALIFORNIA N1F 2394 W. Saratoga Way San Bernadino, CA 92407 #009830555-1550 (909) 887-7500 Div. Code - SZ PO Code - N		