

## Section 4 — Connecting Facility Overview 4.34

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# Connecting Facility Overview

The CFA will allow a customer to validate a particular CFA value. The channel number of the facility may be queried as a single value, range of values, or a combination of values and ranges.

Customers will submit an EDI 850 CFA request.

Customers will receive an EDI 855 CFA response.

The interface will only support Issue 7 (x12-003072) EDI standards.

## Preordering CFA Inquiry

ESO Guide

April 21, 2000

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## Inputs and Outputs

The required data input consists of:

Customer Carrier Number Abbreviation (CCNA)

Connecting Facility Assignment, comprised of:

- Facility Designation
- Facility Type

- Channel number Begin and End sequences (up to 28 occurrences for DS03s)
- CLLI for terminating location A
- CLLI for terminating location Z

State where facility resides

In response, this transaction will return the following data elements:

Customer Circuit Reference ID for the CFA

Facility Description

Facility Type

CLLI for terminating location A

CLLI for terminating location Z

#### Section 4 — Customer Service Record 850 4.48

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# 850 Purchase Order — Customer Service Record Functional Group ID = PO

## Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information. Only the segments used by Ameritech are listed.

## Heading

**Pos. Seg. Req. Loop Notes and**

**No. ID Name Des. Max. Use Repeat Comments**

Must Use 010 ST Transaction Set Header M 1

Must Use 020 BEG Beginning Segment for Purchase Order M 1  
Must Use 050 REF Reference Numbers M 1  
LOOP ID - N1 200  
Must Use 310 N1 Name M 1  
Must Use 330 N3 Address Information M 1  
Must Use 340 N4 Geographic Location M 1

## Detail

### Pos. Seg. Req. Loop Notes and

#### No. ID Name Des. Max.Use Repeat Comments

LOOP ID - PO1 100000

Must Use 010 PO1 Baseline Item Data M 1 n1

Must Use 018 SI Service Characteristic Identification M 1

## Section 4 — Telephone Number 850 4.70

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# 850 Purchase Order — Telephone Number Functional Group ID = PO

## Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information. Only the segments used by Ameritech are listed.

## Heading

### Pos. Seg. Req. Loop Notes and

#### No. ID Name Des. Max.Use Repeat Comments

Must Use 010 ST Transaction Set Header M 1

Must Use 020 BEG Beginning Segment for Purchase Order M 1

Must Use 185 SI Service Characteristic Identification M 1

## Detail

### Pos. Seg. Req. Loop Notes and

#### No. ID Name Des. Max.Use Repeat Comments

LOOP ID - PO1 100000

Must Use 010 PO1 Baseline Item Data M 1 n1

Must Use 018 SI Service Characteristic Identification M 1

## Section 4 — Due Date 850 4.92

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# 850 Purchase Order — Due Date

## Functional Group ID = PO

### Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information. Only the segments used by Ameritech are listed.

### Heading

#### **Pos. Seg. Req. Loop Notes and**

#### **No. ID Name Des. Max. Use Repeat Comments**

Must Use 010 ST Transaction Set Header M 1

Must Use 020 BEG Beginning Segment for Purchase Order M 1

050 REF Reference Numbers C 2

150 DTM Date/Time/Period C 1

Must Use 185 SI Service Characteristic Identification M 1

LOOP ID - N1 2

310 N1 Name C 1

Must Use 330 N3 Address Information M 1

Must Use 340 N4 Geographic Location M 1

345 NX2 Real Estate Property ID Component C 5

## Section 4 — Due Date 855 4.113

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# 855 Purchase Order Acknowledgment — Due Date Functional Group ID = PR

## Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

## Heading

### Pos. Seg. Req. Loop Notes and

#### No. ID Name Des. Max.Use Repeat Comments

Must Use 010 ST Transaction Set Header M 1

Must Use 020 BAK Beginning Segment for Purchase Order Acknowledgment

M 1

050 REF Reference Numbers C 2

150 DTM Date/Time/Period C 1

Must Use 185 SI Service Characteristic Identification M 1

## Detail

### Pos. Seg. Req. Loop Notes and

#### No. ID Name Des. Max.Use Repeat Comments

LOOP ID - PO1 100000

010 PO1 Baseline Item Data C 1 n1

018 SI Service Characteristic Identification C 1

LOOP ID - PID 1000

050 PID Product/Item Description C 1

LOOP ID - ACK 104

Must Use 270 ACK Line Item Acknowledgment M 1

LOOP ID - SLN 1000

490 SLN Subline Item Detail C 1

Must Use 550 DTM Date/Time/Period M 10

## Section 4 — Address Validation 850 4.128

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# 850 Purchase Order — Address Validation

# Functional Group ID = PO

## Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information. Only the segments used by Ameritech are listed.

## Heading

### Pos. Seg. Req. Loop Notes and

### No. ID Name Des. Max. Use Repeat Comments

Must Use 010 ST Transaction Set Header M 1

Must Use 020 BEG Beginning Segment for Purchase Order M 1

Must Use 185 SI Service Characteristic Identification M 1

## Detail

### Pos. Seg. Req. Loop Notes and

### No. ID Name Des. Max. Use Repeat Comments

LOOP ID - PO1 100000

Must Use 010 PO1 Baseline Item Data M 1 n1

018 SI Service Characteristic Identification C 1

LOOP ID - N1 200

Must Use 350 N1 Name M 1

385 NX2 Real Estate Property ID Component O >1

## Section 4 — Address Validation 855 4.140

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# 855 Purchase Order Acknowledgment — Address Validation Functional Group ID = PR

## Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their

partnership.

## Heading

**Pos. Seg. Req. Loop Notes and**

**No. ID Name Des. Max.Use Repeat Comments**

Must Use 010 ST Transaction Set Header M 1

Must Use 020 BAK Beginning Segment for Purchase Order

Acknowledgment

M 1

Must Use 185 SI Service Characteristic Identification M 1

## Section 4 — Working Telephone Number 850 4.178

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# 850 Purchase Order — Working Telephone Number Inquiry

## Functional Group ID = PO

### Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

### Heading

**Pos. Seg. Req. Loop Notes and**

**No. ID Name Des. Max.Use Repeat Comments**

Must Use 010 ST Transaction Set Header M 1

Must Use 020 BEG Beginning Segment for Purchase Order M 1

Must Use 185 SI Service Characteristic Identification M 1

### Detail

**Pos. Seg. Req. Loop Notes and**

**No. ID Name Des. Max.Use Repeat Comments**

LOOP ID - PO1 1

Must Use 010 PO1 Baseline Item Data M 1 n1

Must Use 018 SI Service Characteristic Identification M 1

LOOP ID - N1 1

Must Use 350 N1 Name M 1  
Must Use 385 NX2 Location ID Component M 11

## Section 4 — Working Telephone Number Inquiry 855 4.190

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# 855 Purchase Order Acknowledgment— Working Telephone Number Inquiry Functional Group ID = PR

## Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

This transaction set is used by Ameritech to acknowledge and confirm an order received from a customer via the 850 transaction set. Only segments used by AIIS are listed.

## Heading

### Pos. Seg. Req. Loop Notes and

### No. ID Name Des. Max. Use Repeat Comments

Must Use 010 ST Transaction Set Header M 1

Must Use 020 BAK Beginning Segment for Purchase Order

Acknowledgment

M 1

## Detail

### Pos. Seg. Req. Loop Notes and

### No. ID Name Des. Max. Use Repeat Comments

LOOP ID - PO1 1

Must Use 010 PO1 Baseline Item Data M 1 n1

LOOP ID - PID 1

050 PID Product/Item Description C 1

LOOP ID - QTY 1

300 QTY Quantity C 1

## Section 4 — Connecting Facility Assignment 850 4.220

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# 850 Purchase Order - CFA Inquiry

## Functional Group ID = PO

### Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

### Heading

#### Pos. Seg. Req. Loop Notes and

#### No. ID Name Des. Max.Use Repeat Comments

M 010 ST Transaction Set Header M 1

M 020 BEG Beginning Segment for Purchase Order M 1

M 150 DTM Date/Time Reference M 1

M 185 SI Service Characteristic Identification M 1

LOOP ID - N1 1

M 310 N1 Name M 1

345 NX2 Location ID Component O >1

### Detail:

#### Pos. Seg. Req. Loop Notes and

#### No. ID Name Des. Max.Use Repeat Comments

LOOP ID - PO1 1

M 010 PO1 Baseline Item Data M 1 n1

M 018 SI Service Characteristic Identification M 1

M 100 REF Reference Identification M 2

## Section 4 — Connecting Facility Assignment 850 4.221

### Summary

#### Pos. Seg. Req. Loop Notes and

#### No. ID Name Des. Max.Use Repeat Comments

LOOP ID - CTT 1

M 010 CTT Transaction Totals M 1 n2

M 030 SE Transaction Set Trailer M 1

### Transaction Set Notes

1. PO102 is required.

2. The number of line items (CTT01) is the accumulation of the number of PO1 segments.

## Section 4 — Connecting Facility Assignment 850 4.222

Confidential Information Contains confidential and proprietary information and/or trade secrets of Ameritech. May not be used, reproduced or disclosed (in whole or in part)

**Segment: ST Transaction Set Header**

**Position:** 010

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the start of a transaction set and to assign a control number

**Syntax Notes:**

**Semantic Notes: 1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M ST01 143 Transaction Set Identifier Code M ID 3/3**

Code uniquely identifying a Transaction Set

850 Purchase Order

**M ST02 329 Transaction Set Control Number M AN 4/9**  
Identifying control number that must be unique within the transaction set  
functional group assigned by the originator for a transaction set  
Must match value in SE02

#### Section 4 — Connecting Facility Assignment 850 4.223

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**Segment: BEG** Beginning Segment for Purchase Order

**Position:** 020

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

**Syntax Notes:**

**Semantic Notes:** 1 BEG05 is the date assigned by the purchaser to purchase order.

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M BEG01 353 Transaction Set Purpose Code M ID 2/2**

Code identifying purpose of transaction set

28 Query

**M BEG02 92 Purchase Order Type Code M ID 2/2**

Code specifying the type of Purchase Order

IN Information Copy

**M BEG03 324 Purchase Order Number M AN 1/22**

Identifying number for Purchase Order assigned by the orderer/purchaser

**M BEG05 373 Date M DT 8/8**

Date expressed as CCYYMMDD

**M BEG07 587 Acknowledgment Type M ID 2/2**

Code specifying the type of acknowledgment

AE Acknowledge - With Exception Detail Only

## Section 4 — Connecting Facility Assignment 850 4.224

Confidential Information Contains confidential and proprietary information and/or trade secrets of Ameritech. May not be used, reproduced or disclosed (in whole or in part)

**Segment:** **DTM** Date/Time Reference

**Position:** 150

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify pertinent dates and times

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M DTM01 374 Date/Time Qualifier M ID 3/3**

Code specifying type of date or time, or both date and time

097 Transaction Creation

Date/time transaction sent

**M DTM02 373 Date M DT 8/8**

Date expressed as CCYYMMDD

Transaction creation date

**M DTM03 337 Time M TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, where H = hours

(00-23), M = minutes (00-59)

Transaction creation time

## Section 4 — Connecting Facility Assignment 850 4.225

Confidential Information Contains confidential and proprietary information and/or trade secrets of Ameritech. May not be used, reproduced or

disclosed (in whole or in part) **Segment: SI Service Characteristic Identification**

**Position:** 185

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify service characteristic data

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SI01 defines the source for each of the service characteristic qualifiers.

**Notes:** If either Data Element 1000 or 234 is present, then the other is required.

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M SI01 559 Agency Qualifier Code M ID 2/2**

Code identifying the agency assigning the code values

TI Telecommunications Industry

Always used

**M SI02 1000 Service Characteristics Qualifier M AN 2/2**

Code from an industry code list qualifying the type of service characteristics

IQ Transaction type

**M SI03 234 Product/Service ID M AN 1/1**

Identifying number for a product or service

If SI02 = IQ

Inquiry type

Transaction Type X

NC/NCI Inquiry

X CFA inquiry

**M SI04 1000 Service Characteristics Qualifier M AN 2/2**

Code from an industry code list qualifying the type of service characteristics

IR Code for inquiry activity

**M SI05 234 Product/Service ID M AN 1/48**

Identifying number for a product or service

If SI04 = IR

A/New inquiry

A New inquiry

**M SI06 1000 Service Characteristics Qualifier M AN 2/2**

Code from an industry code list qualifying the type of service characteristics

LA State code

**M SI07 234 Product/Service ID M AN 1/48**

Identifying number for a product or service

If SI06 = LA

State: IL, IN, MI, OH, WI

## Section 4 — Connecting Facility Assignment 850 4.226

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**Segment: N1 Name**

**Position:** 310

**Loop:** N1 Mandatory

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M N101 98 Entity Identifier Code M ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

78 Service Requester (CCNA)

**M N102 93 Name M AN 1/60**

Free-form name

If N101 = 78

Customer Carrier Name Abbreviation (CCNA)

## Section 4 — Connecting Facility Assignment 850 4.227

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**Segment:** **NX2** Location ID Component

**Position:** 345

**Loop:** N1 Mandatory

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To define types and values of a geographic location

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M NX201 1106 Address Component Qualifier M ID 2/2**

Code qualifying the type of address component

90 Terminating Location A CLLI

**M NX202 166 Address Information M AN 1/55**

Address information

If N101 = 78 and NX201 = 90

Terminating location of a call or a circuit

## Section 4 — Connecting Facility Assignment 850 4.228

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**Segment: PO1** Baseline Item Data

**Position:** 010

**Loop:** PO1 Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify basic and most frequently used line item data

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M PO101 350 Assigned Identification M AN 1/3**

Alphanumeric characters assigned for differentiation within a transaction set  
Must be equal to 1; do not use 0

**M PO102 330 Quantity Ordered M R 1/1**

Quantity ordered  
Presently, always 1

**M PO103 355 Unit or Basis for Measurement Code M ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  
EA Each

Section 4 — Connecting Facility Assignment 850 4.229

**Segment: SI Service Characteristic Identification**

**Position:** 018

**Loop:** PO1 Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify service characteristic data

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SI01 defines the source for each of the service characteristics qualifiers.

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M SI01 559 Agency Qualifier Code M ID 2/2**

Code identifying the agency assigning the code values  
TI Telecommunications Industry

**M SI02 1000 Service Characteristics Qualifier M AN 2/2**

Code from an industry code list qualifying the type of service characteristics  
LO Terminating Location Z CLLI

**M SI03 234 Product/Service ID M AN 1/11**

Identifying number for a product or service  
Terminating Location Z CLLI

**M SI04 1000 Service Characteristics Qualifier M AN 2/2**

Code from an industry code list qualifying the type of service characteristics  
K6 Channel code

**M SI05 234 Product/Service ID M AN 1/48**

Identifying number for a product or service  
Channel code

Section 4 — Connecting Facility Assignment 850 4.230

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Segment: **REF** Reference Identification

**Position:** 100

**Loop:** PO1 Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 2

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M REF01 128 Reference Identification Qualifier M ID 2/3**

Code qualifying the Reference Identification

IJ ID of the Local Service Provider's system to be used in a collocation arrangement

EQ ID of the Network Provider's central office cable to be connected to the Local Service Provider's collocated

equipment

**M REF02 127 Reference Identification M AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

If REF01 = 1J

Facility ID

If REF01 = EQ

Equipment number

**Section 4 — Connecting Facility Assignment 850 4.231**

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**Segment: CTT Transaction Totals**

**Position:** 010

**Loop:** CTT Mandatory

**Level:** Summary

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To transmit a hash total for a specific element in the transaction set

**Syntax Notes:**

**Semantic Notes:**

**Comments: 1** This segment is intended to provide hash totals to validate transaction completeness and correctness.

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M CTT01 354 Number of Line Items M N0 1/6**

Total number of line items in the transaction set

## Section 4 — Connecting Facility Assignment 850 4.232

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### **Segment: SE** Transaction Set Trailer

**Position:** 030

**Loop:**

**Level:** Summary

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments: 1** SE is the last segment of each transaction set.

#### **Data Element Summary**

##### **Ref. Data**

##### **Des. Element Name Attributes**

##### **M SE01 96 Number of Included Segments M N0 1/10**

Total number of segments included in a transaction set including ST and SE segments

##### **M SE02 329 Transaction Set Control Number M AN 4/9**

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set  
Must match value in ST02

## Section 4 — Connecting Facility Assignment 855 4.233

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# 855 Purchase Order Acknowledgment - CFA Response Functional Group ID = PR

## Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

This transaction set is used by Ameritech to acknowledge and confirm an order received from a customer via the 850 transaction set. Only segments used by AIIS are listed.

## Heading

### Pos. Seg. Req. Loop Notes and

### No. ID Name Des. Max.Use Repeat Comments

M 010 ST Transaction Set Header M 1

M 020 BAK Beginning Segment for Purchase Order  
Acknowledgment

M 1

M 150 DTM Date/Time Reference M 1

M 185 SI Service Characteristic Identification M 1

LOOP ID - N1 2

M 300 N1 Name M 1

## Section 4 — Connecting Facility Assignment 855 4.234

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### Detail

**Pos. Seg. Req. Loop Notes and**

**No. ID Name Des. Max.Use Repeat Comments**

LOOP ID - PO1 28

M 010 PO1 Baseline Item Data M 1 n1

M 018 SI Service Characteristic Identification M 1

LOOP ID - PID 1

M 050 PID Product/Item Description M 1

LOOP ID - N1 1

M 370 N1 Name M 1

M 630 PO1 Baseline Item Data M 1

M 640 ACK Line Item Acknowledgment M 1

### Summary

**Pos. Seg. Req. Loop Notes and**

**No. ID Name Des. Max.Use Repeat Comments**

LOOP ID - CTT 1

M 010 CTT Transaction Totals M 1 n2

M 030 SE Transaction Set Trailer M 1

### Transaction Set Notes

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments

## Section 4 — Connecting Facility Assignment 855 4.235

**Segment: ST Transaction Set Header**

**Position:** 010

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the start of a transaction set and to assign a control number

**Syntax Notes:**

**Semantic Notes: 1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M ST01 143 Transaction Set Identifier Code M ID 3/3**

Code uniquely identifying a Transaction Set

855 Purchase Order Acknowledgment

**M ST02 329 Transaction Set Control Number M AN 4/9**

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Must match value in SE02

## Section 4 — Connecting Facility Assignment 855 4.236

Confidential Information Contains confidential and proprietary information and/or trade secrets of Ameritech. May not be used, reproduced or disclosed (in whole or in part)

### Segment: **BAK** Beginning Segment for Purchase Order Acknowledgment

**Position:** 020

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

**Syntax Notes:**

**Semantic Notes:** 1 BAK04 is the date assigned by the purchaser to purchase order.

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M BAK01 353 Transaction Set Purpose Code M ID 2/2**

Code identifying purpose of transaction set

11 Response

**M BAK02 587 Acknowledgment Type (CNTYPE) M ID 2/2**

Code specifying the type of acknowledgment

AE Acknowledge - with exception detail only

RD Reject with detail

**M BAK03 324 Purchase Order Number (PON) M AN 1/16**

Identifying number for Purchase Order assigned by the orderer/purchaser

**M BAK04 373 Date M DT 8/8**

Date expressed as CCYYMMDD

Purchase order date

## Section 4 — Connecting Facility Assignment 855 4.237

Confidential Information Contains confidential and proprietary information and/or trade secrets of Ameritech. May not be used, reproduced or disclosed (in whole or in part)

**Segment:** **DTM** **Date/Time Reference**

**Position:** 150

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify pertinent dates and times

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M DTM01 374 Date/Time Qualifier M ID 3/3**

Code specifying type of date or time, or both date and time

097 Date/time sent

Date/time transaction sent

**M DTM02 373 Date M DT 8/8**

Date expressed as CCYYMMDD

Transaction creation date

**M DTM03 337 Time M TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, where H = hours (00-23), M = minutes (00-59)

Transaction creation time

## Section 4 — Connecting Facility Assignment 855 4.238

Confidential Information Contains confidential and proprietary information and/or trade secrets of Ameritech. May not be used, reproduced or disclosed (in whole or in part) except in accordance with the agreement between Ameritech and recipient. Version 6.2

### Segment: **SI** Service Characteristic Identification

**Position:** 185

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify service characteristic data

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SI01 defines the source for each of the service characteristic qualifiers.

**Notes:** If either Data Element 1000 or 234 is present, then the other is required.

#### Data Element Summary

##### Ref. Data

##### Des. Element Name Attributes

##### M SI01 559 Agency Qualifier Code M ID 2/2

Code identifying the agency assigning the code values

TI Telecommunications industry

##### M SI02 1000 Service Characteristics Qualifier M AN 2/2

Code from an industry code list qualifying the type of service characteristics

IQ Transaction type

##### M SI03 234 Product/Service ID M AN 1/1

Identifying number for a product or service

If SI02 = IQ

Y/NC,NCI Inquiry

X CFA inquiry

##### SI04 1000 Service Characteristics Qualifier C AN 2/2

Code from an industry code list qualifying the type of service characteristics

CM Returned if CFA is identified by a customer-defined

circuit reference code

##### SI05 234 Product/Service ID C AN 1/48

Identifying number for a product or service

If SI04 = NC

Network Channel code

CKRCFA Customer Circuit Reference ID (CFA)

## Section 4 — Connecting Facility Assignment 855 4.239

Confidential Information Contains confidential and proprietary information and/or trade secrets of Ameritech. May not be used, reproduced or disclosed (in whole or in part) except in accordance with the agreement between Ameritech and recipient. Version 6.2

### Segment: **N1** Name

**Position:** 300  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Data Element Summary**  
**Ref. Data**  
**Des. Element Name Attributes**  
**M N101 98 Entity Identifier Code M ID 2/3**  
Code identifying an organizational entity, a physical location, property or an individual  
78 Service provider  
BT Bill-to-name  
**M N102 93 Name M AN 1/60**  
Free-form name  
If N101 = 78  
Customer Carrier Name Abbreviation (CCNA)  
If N101 = BT  
Access Customer Name Abbreviation (ACNA)

#### Section 4 — Connecting Facility Assignment 855 4.240

Confidential Information Contains confidential and proprietary information and/or trade secrets of Ameritech. May not be used, reproduced or disclosed (in whole or in part) except in accordance with the agreement between Ameritech and recipient. Version 6.2

**Segment:** **PO1** Baseline Item Data

**Position:** 010  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1

**Purpose:** To specify basic and most frequently used line item data

**Syntax Notes: 1** If PO103 is present, then PO102 is required.

**Semantic Notes:**

**Comments: 1** PO101 is the line item identification

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M PO101 350 Assigned Identification M AN 1/3**

Alphanumeric characters assigned for differentiation within a transaction set

Line item number of supplier-issued purchase order

**M PO102 330 Quantity Ordered M R 1/1**

Quantity ordered

Presently, always 1

**M PO103 355 Unit or Basis for Measurement Code M ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

EA Each

## Section 4 — Connecting Facility Assignment 855 4.241

Confidential Information Contains confidential and proprietary information and/or trade secrets of Ameritech. May not be used, reproduced or disclosed (in whole or in part)

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**Segment: SI Service Characteristic Identification**

**Position:** 018

**Loop:** PO1 Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify service characteristic data

**Syntax Notes:**

**Semantic Notes:**

**Comments: 1** SI01 defines the source for each of the service characteristic qualifiers.

**Notes:** If either Data Element 1000 or 234 is present, then the other is required.

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M SI01 559 Agency Qualifier Code M ID 2/2**

Code identifying the agency assigning the code values

TI Telecommunications industry

**M SI04 1000 Service Characteristics Qualifier M AN 2/2**

Code from an industry code list qualifying the type of service characteristics

K6 Channel code

**M SI05 234 Product/Service ID M AN 1/48**

Identifying number for a product or service

Channel code

**SI06 1000 Service Characteristics Qualifier O AN 2/2**

Code from an industry code list qualifying the type of service characteristics

CM Local Service Provider's Circuit Number

**SI07 234 Product/Service ID C AN 1/36**

Identifying number for a product or service

Customer Circuit Reference ID (Channel)

**M SI08 1000 Service Characteristics Qualifier M AN 2/2**

Code from an industry code list qualifying the type of service characteristics

CN Circuit Identifier Code

**M SI09 234 Product/Service ID M AN 1/36**

Identifying number for a product or service

Ameritech's Circuit Identifier

**Section 4 — Connecting Facility Assignment 855 4.242**

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**Segment: PID Product/Item Description**

**Position:** 050

**Loop:** PID Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To describe a product or process in coded or free-form format

**Syntax Notes:**

**Semantic Notes:** 1 Use PID03 to indicate the organization that publishes the code list being referred to.

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M PID01 349 Item Description Type M ID 1/1**

Code indicating the format of a description

F Error

X Status

**M PID03 559 Agency Qualifier Code M ID 2/2**

Code identifying the agency assigning the code values

This element is returned only when no errors are encountered

AS Assigned by seller

**M PID04 751 Product Description Code M AN 1/12**

A code from an industry code list which provides specific data about a product characteristic

STATUS Status

**M PID05 352 Description M AN 1/80**

A free-form description to clarify the related data elements and their content

If PID01 = X

Status:

Assigned

Invalid

Pending

Restricted

Spare

If PID01 = F

Error code. See Section 6 - Error Messages for valid values.

Section 4 — Connecting Facility Assignment 855 4.243

**Segment: N1 Name**

**Position:** 370

**Loop:** N1 Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M N101 98 Entity Identifier Code M ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

BT Bill-to-name

**N102 93 Name O AN 1/60**

Free-form name

If N101 = BT

Access customer name abbreviation

Section 4 — Connecting Facility Assignment 855 4.244

**Segment: PO1** Baseline Item Data

**Position:** 630

**Loop:** PO1 Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify basic and most frequently used line item data

**Syntax Notes:** 1 If PO103 is present, then PO102 is required.

**Semantic Notes:**

**Comments:** 1 PO101 is the line item identification.

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M PO101 350 Assigned Identification M AN 1/3**

Alphanumeric characters assigned for differentiation within a transaction set

Line item number of supplier-issued purchase order

**M PO102 330 Quantity Ordered M R 1/1**

Quantity ordered

Presently, always 1

**M PO103 355 Unit or Basis for Measurement Code M ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

EA Each

## Section 4 — Connecting Facility Assignment 855 4.245

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### Segment: **ACK** Line Item Acknowledgment

**Position:** 640

**Loop:** PO1 Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M ACK01 668 Line Item Status Code M ID 2/2**

Code specifying the action taken by the seller on a line item requested by the buyer

IA Item Accepted

IR Item Rejected

Section 4 — Connecting Facility Assignment 855 4.246

**Segment:** **CTT** Transaction Totals

**Position:** 010

**Loop:** CTT Mandatory

**Level:** Summary

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To transmit a hash total for a specific element in the transaction set

**Syntax Notes:**

**Semantic Notes:**

**Comments: 1** This segment is intended to provide hash totals to validate transaction completeness and correctness.

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M CTT01 354 Number of Line Items M N0 1/6**

Total number of line items in the transaction set

Section 4 — Connecting Facility Assignment 855 4.247

**Segment: SE** Transaction Set Trailer

**Position:** 030

**Loop:**

**Level:** Summary

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments: 1** SE is the last segment of each transaction set.

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

**M SE01 96 Number of Included Segments M N0 1/10**

Total number of segments included in a transaction set including ST and SE segments

**M SE02 329 Transaction Set Control Number M AN 4/9**

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Must match value in ST02

## Section 4 — Connecting Facility Assignment Business Scenarios 4.490

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# CFA Inquiry Business Scenarios

## Scenario #1 – CFA Inquiry: Des, Type, Loc A, Loc Z (Code X1)

The customer wishes to receive the connecting facility assignment information for the facility designation, facility type, location A and location Z provided. The response will provide the status of the channel, and Ameritech's Circuit ID.

### Input

The customer sends the following information:

Field	Description	Example Value	Field Usage
-------	-------------	---------------	-------------

CCNA	Customer Carrier Name Abbreviation	XXX	R
------	------------------------------------	-----	---

INQNUM	Inquiry Number	123456	R
--------	----------------	--------	---

D/TSENT	Date and Time Sent	199810251000	R
---------	--------------------	--------------	---

TXTYP	Inquiry Type	X	R
-------	--------------	---	---

INQACT	Inquiry Activity	A	R
--------	------------------	---	---

ST	State	IL	R
----	-------	----	---

FACDSG	Facility Designation	CLEC defined	R
--------	----------------------	--------------	---

FACTYP	Facility Type	CLEC defined	R
--------	---------------	--------------	---

LOCA	Terminating Location A	CLLI CLEC defined	R
------	------------------------	-------------------	---

LOCZ	Terminating Location Z	CLLI CLEC defined	R
------	------------------------	-------------------	---

CHANNEL	Channel Code	CLEC defined	R
---------	--------------	--------------	---

## Section 4 — Connecting Facility Assignment Business Scenarios 4.491

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### Output

Ameritech returns the status of the channel and Ameritech's Circuit ID.

#### **Field Description Example Value Field Usage**

INQNUM Inquiry Number 123456 R

TXTYP Inquiry Type X R

D/TSENT Date and Time Sent 199810251000 R

CKRCFA Customer Circuit

Reference ID (CFA)

CLEC defined C (Returned is CFA is identified by a

CLEC defined circuit reference code)

STATUS Status of Channel S R

\* CHANNEL Channel Code CLEC defined R

\* CKR Customer Circuit

Reference ID

(CHANNEL)

CLEC defined R

\* ACNA Access Carrier Name

Abbreviation

(CHANNEL)

CLEC defined R

\* ECCKT Circuit Identifier Ameritech defined R

ERRCODE Error Code Ameritech defined C (Returned when an error is encountered)

\* Repeatable Field

## Section 4—Segment Sequence Charts 4.520

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# Connecting Facility Assignment (CFA)

## CFA Inquiry

ST\*850\*0001

BEG\*28\*IN\*INQNUM\*CCYYMMDD\*AE

DTM\*097\*D/T SENT (DATE)\*D/T SENT (TIME)

SI\*TI\*IQ\*X\*IR\*A\*LA\*ST

PO1\*REFNUM\*1\*EA

SI\*TI\*LO\*LOCZ

SI\*TI\*K6\*CHANNEL

REF\*IJ\*FACDSG

REF\*EQ\*FACTYP

N1\*78\*CCNA

NX2\*90\*LOCA

CTT\*1

SE\*13\*0001

Section 4—Segment Sequence Charts 4.521

CFA Response

ST\*855\*0001  
BAK\*11\*AE\**INQNUM*\*CCYYMMDD (ACKNOWLEDGE WITH EXCEPTION)  
BAK\*11\*RD\**INQNUM*\*CCYYMMDD (REJECT WITH DETAIL)  
DTM\*097\*D/T SENT (DATE)\*D/T SENT (TIME)  
SI\*TI\*IQ\*X\*CM\**CKRCFA*  
N1\*78\**CCNA*  
N1\*BT\**ACNA*  
PO1\**REFNUM*\*1\*EA  
PID\*X\*AS\*STATUS\**STATUS*  
PID\*F\**ERRCODE*  
SI\*TI\*K6\**CHANNEL*\*CM\**CKR*\*CN\**ECCKT*  
N1\*BT\**ACNA*  
PO1\**REFNUM*\*1\*EA  
ACK\*IA (ITEM ACCEPTED)  
ACK\*IR (ITEM REJECTED)  
CTT\*1  
SE\*16\*0001

