

Section 4 — Network Channel/Network Channel Interface Inquiry 4.36

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Network Channel/Network Channel Interface Inquiry Overview

The Network Channel/Network Channel Interface (NC/NCI) Inquiry allows a requesting customer to validate a particular NC/NCI combination or determine valid combinations from a list returned in response to partial NC or NC/NCI inputs. The NC/NCI transaction will require:

Network Channel Code (NC) - minimum of first two characters

Frame Network Channel Interface (NCI) - optionally, fully or partial value

Customer Network Channel Interface Code (SECNCI) - optionally, full or partial value

Customers will submit an EDI 850 Network Channel/Network Channel Interface request and will receive an EDI 855 Network Channel/Network Channel Interface response. The interface will only support Issue 7 (x12-003072) EDI standards.

NC/NCI

ESO Guide

April 21, 2000

AIIS

Section 4 — Network Channel/Network Channel Interface Inquiry 4.37

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Inputs and Outputs

The required data input consists of:

Customer Carrier Number Abbreviation (CCNA)

Network Channel Code (NC) - minimum of first two characters

Frame Network Channel Interface Code (NCI) - optionally, full or partial value

Customer Network Channel Interface Code (SECNCI) - optionally, full or partial value.

The response contains a list of all NC/NCI/SECNCI combinations matching the input values.

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 AHS 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 — Network Channel/Network Channel Interface Inquiry 850 4.248

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850 Purchase Order - NC/NCI 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 3

LOOP ID - N1 1

M 310 N1 Name M 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

Section 4 — Network Channel/Network Channel Interface Inquiry 850 4.249

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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 — Network Channel/Network Channel Interface Inquiry 850 4.250

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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 — Network Channel/Network Channel Interface Inquiry 850 4.251

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 — Network Channel/Network Channel Interface Inquiry 850 4.252

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 — Network Channel/Network Channel Interface Inquiry 850 4.253

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Segment: **SI** Service Characteristic Identification

Position: 185

Loop:

Level: Heading

Usage: Mandatory

Max Use: 3

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.

If either qualifier IQ or IR 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 Code for inquiry 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 Y

NC/NCI 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 1/1

Identifying number for a product or service

If SI04 = IR

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 2/2

Identifying number for a product or service

If SI06 = LA

Terminating Location State: IL, IN, MI, OH, WI

M SI08 1000 Service Characteristics Qualifier M AN 2/2

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

NC Network Channel code

M SI09 234 Product/Service ID M AN 4/4

Section 4 — Network Channel/Network Channel Interface Inquiry 850 4.254

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Identifying number for a product or service

Network Channel code

SI10 1000 Service Characteristics Qualifier C AN 2/2

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

NI Network Channel Interface code

SI11 234 Product/Service ID C AN 1/12

Identifying number for a product or service

Network Channel Interface code

SI12 1000 Service Characteristics Qualifier C AN 2/2

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

NJ Secondary Network Channel Interface code

SI13 234 Product/Service ID C AN 1/12

Identifying number for a product or service

Secondary Network Channel Interface code

Section 4 — Network Channel/Network Channel Interface Inquiry 850 4.255

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

Service Requester code

Section 4 — Network Channel/Network Channel Interface Inquiry 850 4.256

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 — Network Channel/Network Channel Interface Inquiry 850 4.257

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 — Network Channel/Network Channel Interface Inquiry 850 4.258

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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 — Network Channel/Network Channel Interface Inquiry 855 4.259

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855 Purchase Order Acknowledgment - NC/NCI Response Functional Group ID = PR

Introduction

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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 AHS 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 2

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

018 SI Service Characteristic Identification C 12

LOOP ID - PID 1

050 PID Product/Item Description C 1

LOOP ID - ACK 1

M 270 ACK Line Item Acknowledgment M 1

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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 — Network Channel/Network Channel Interface Inquiry 855 4.261

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 — Network Channel/Network Channel Interface Inquiry 855 4.262

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

Section 4 — Network Channel/Network Channel Interface Inquiry 855 4.263

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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 — Network Channel/Network Channel Interface Inquiry 855 4.264

Segment: SI Service Characteristic Identification

Position: 185

Loop:

Level: Heading

Usage: Mandatory

Max Use: 2

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 Code for inquiry 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

M SI04 1000 Service Characteristics Qualifier M AN 2/2

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

NC Network Channel code

SI05 234 Product/Service ID C AN 1/12

Identifying number for a product or service

If SI04 = NC

Network Channel code

SI06 1000 Service Characteristics Qualifier C AN 2/2

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

NI Network Channel Interface code

SI07 234 Product/Service ID C AN 1/12

Identifying number for a product or service

If SI07 = NI

Network Channel Interface code

Section 4 — Network Channel/Network Channel Interface Inquiry 855 4.265

SI08 1000 Service Characteristics Qualifier C AN 2/2

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

NJ Secondary Network Channel Interface code

SI09 234 Product/Service ID C AN 1/12

Identifying number for a product or service

If SI08 = NJ

Secondary Network Channel Interface code

Section 4 — Network Channel/Network Channel Interface Inquiry 855 4.266

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: **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

Presently, always 1

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 — Network Channel/Network Channel Interface Inquiry 855 4.267

Segment: **SI** Service Characteristic Identification

Position: 018

Loop: PO1 Mandatory

Level: Detail

Usage: Conditional

Max Use: 12

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

NC Network Channel code

SI03 234 Product/Service ID C AN 1/12

Identifying number for a product or service

If SI02 = NC

Network channel code

SI04 1000 Service Characteristics Qualifier C AN 2/2

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

NI Network Channel Interface code

SI05 234 Product/Service ID C AN 1/12

Identifying number for a product or service

If SI04 = NI

Network Channel Interface Code

SI06 1000 Service Characteristics Qualifier C AN 2/2

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

NJ Secondary Network Channel Interface Code

SI07 234 Product/Service ID C AN 1/12

Identifying number for a product or service

If SI06 = NJ

Secondary Network Channel Interface Code

Section 4 — Network Channel/Network Channel Interface Inquiry 855 4.268

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Segment: PID Product/Item Description

Position: 050

Loop: PID Conditional

Level: Detail

Usage: Conditional

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 Free-form

PID05 352 Description C AN 1/80

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

Free-form description of the error that occurred. This element is returned when there is an error condition.

Section 4 — Network Channel/Network Channel Interface Inquiry 855 4.269

Segment: **ACK** Line Item Acknowledgment

Position: 270

Loop: ACK 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 — Network Channel/Network Channel Interface Inquiry 855 4.270

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: 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 — Network Channel/Network Channel Interface Inquiry 855 4.271

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 — Feature/Service Availability Inquiry 850 4.274

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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 — NC/NCI Inquiry Business Scenarios 4.492

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NC/NCI Inquiry Business Scenarios

Scenario #1 – NC Inquiry: Partial NC (Code Y1)

The customer wishes to receive a list of the valid NC codes available by entering a partial NC.

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	Y	R
--------------------	---	---

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

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

NC Network Channel Code	HF	R
-------------------------	----	---

Output

Ameritech returns a list of the available NC Codes for the partial NC entered.

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

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

TXTYP Inquiry Type	Y	R
--------------------	---	---

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

* NC Network Channel

Code

HF-M C (Returned so long as an error is not encountered)

ERRCODE Error Code Ameritech defined

C (Returned when an error is encountered)

* Repeatable Field

Section 4 — NC/NCI Inquiry Business Scenarios 4.493

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Scenario #2 – NCI Inquiry: NC or Partial NCI (Code Y2)

The customer wishes to receive a list of the valid NCI and SECNCI codes available for a particular NC by entering a NC code. As an alternative the customer may retrieve a list of valid NCI codes by entering a NC code and a partial NCI code. The response will provide the NC, NCI codes and SECNCI codes available for the NC and partial NCI entered.

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	Y	R
-------	--------------	---	---

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

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

NC	Network Channel Code	HF-M	R
----	----------------------	------	---

NCI	Network Channel Interface Code	04QB	O
-----	--------------------------------	------	---

Section 4 — NC/NCI Inquiry Business Scenarios 4.494

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Output

Ameritech returns a list of the available NC, NCI Codes and SECNCI codes for the NC and NCI entered.

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

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

TXTYP Inquiry Type Y R
D/TSENT Date and Time Sent 199810251000 R
* NC Network Channel
Code
HF-M C (Returned so long as an error is not
encountered)
* NCI Network Channel
Interface Code
04QB6.33 C (Returned so long as an error is not
encountered)
* SECNCI Secondary Network
Channel Interface
Code
04CS63.1R C (Returned so long as an error is not
encountered)
ERRCODE Error Code Ameritech
defined
C (Returned when an error is
encountered)
* Repeatable Field

Section 4 — NC/NCI Inquiry Business Scenarios 4.495

Scenario #3 – SECNCI Inquiry: NC, NCI or Partial SECNCI (Code Y3)

The customer wishes to receive a list of the valid NCI and SECNCI codes available for a particular NC and NCI by entering a NC and NCI code. As an alternative the customer may retrieve a list of valid NCI and SECNCI codes by entering a NC code, NCI code and a partial SECNCI code. The response will provide the NCI codes and SECNCI codes available for the NC, NCI and partial SECNCI entered.

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	Y	R
-------	--------------	---	---

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

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

NC	Network Channel Code	HF-M	R
----	----------------------	------	---

NCI	Network Channel Interface Code	04QB6.33	R
-----	--------------------------------	----------	---

SECNCI	Secondary Network Channel Interface Code	04CS	O
--------	--	------	---

Section 4 — NC/NCI Inquiry Business Scenarios 4.496

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Output

Ameritech returns a list of the available NC, NCI Codes and SECNCI codes for the NC, NCI and partial SECNCI entered.

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

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

TXTYP	Inquiry Type	Y	R
-------	--------------	---	---

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

* NC Network Channel Code HF-M C (Returned so long as an error is not encountered)

* NCI Network Channel

Interface Code

04QB6.33 C (Returned so long as an error is not encountered)

* SECNCI Secondary Network

Channel Interface Code

04CS63.1R C (Returned so long as an error is not encountered)

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

Section 4—Segment Sequence Charts 4.522

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Network Channel/Network Channel Interface (NC/NCI)

NC/NCI Inquiry

ST*850*0001
BEG*28*IN*INQNUM*CCYYMMDD*AE
DTM*097*D/T SENT (DATE)*D/T SENT (TIME)
SI*TI*IQ*Y*IR*A*LA*ST*NC*NC*NI*NCI*NJ*SECNCI
N1*78*CCNA
PO1*REFNUM*1*EA
CTT*1
SE*8*0001

NC/NCI Response

ST*855*0001
BAK*11*AE*INQNUM*CCYYMMDD (ACKNOWLEDGE WITH EXCEPTIONS)

BAK*11*RD*INQNUM*CCYYMMDD (REJECT WITH DETAIL)
DTM*097*D/T SENT (DATE)*D/T SENT (TIME)
SI*TI*IQ*Y*NC*NC*NI*NCI*NJ*SECNCI
POI*REFNUM*1*EA
SI*TI*NT*NC*NI*NCI*NJ*SECNCI
PID*~~F~~*ERRCODE
ACK*IA (ITEM ACCEPTED)
ACK*IR *(ITEM REJECTED)
CTT*1
SE*12*0001