

Section 4 — Feature/Service Availability Inquiry 4.38

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Feature/Service Availability Inquiry Overview

The Feature/Service Inquiry allows customers to determine the availability of features for a particular switch based on working telephone number.

The Feature/Service Inquiry transaction will require a NPANXX and Exchange Code

Customers will submit an EDI 850 Feature/Service Inquiry request

Customers will receive an EDI 855 Feature/Service response

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

Preordering Feature Availability

ESO Guide

April 21, 2000

AIS

Section 4 — Feature/Service Availability Inquiry 4.39

Inputs and Outputs

The required data input consists of:

NPANXX

Exchange Code

The response contains:

NPANXX (if provided on input)

Exchange (if provided on input)

Feature USOC

Feature Description

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

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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

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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 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 — Feature/Service Availability Inquiry 850 4.272

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850 Purchase Order -Feature/ Service Availability 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 10

M 185 SI Service Characteristic Identification M 1

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 — Feature/Service Availability Inquiry 850 4.273

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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 — Feature/Service Availability Inquiry 850 4.275

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: 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 — Feature/Service Availability Inquiry 850 4.276

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: 10

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 — Feature/Service Availability Inquiry 850 4.277

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: 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.

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

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

C/Feature Availability 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 Code for inquiry activity

M SI07 234 Product/Service ID M AN 2/2

Identifying number for a product or service

If SI06 = LA

State code: IL, IN, MI, OH, WI

Section 4 — Feature/Service Availability Inquiry 850 4.278

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M SI08 1000 Service Characteristics Qualifier M AN 2/2

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

LO Code for Local Exchange Carrier Service Office Code

(LST)

LS Code for Local Service Office (LSO)

M SI09 234 Product/Service ID M AN 6/11

Identifying number for a product or service

If SI08 = LO

Common Location Language Identifier

If SI08 = LS

NPANXX

Section 4 — Feature/Service Availability Inquiry 850 4.278

M SI08 1000 Service Characteristics Qualifier M AN 2/2

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

LO Code for Local Exchange Carrier Service Office Code

(LST)

LS Code for Local Service Office (LSO)

M SI09 234 Product/Service ID M AN 6/11

Identifying number for a product or service

If SI08 = LO

Common Location Language Identifier

If SI08 = LS

NPANXX

Section 4 — Feature/Service Availability Inquiry 850 4.279

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

M N102 93 Name M AN 1/35

Free-form name
CCNA Customer Carrier Name Abbreviation

Section 4 — Feature/Service Availability Inquiry 850 4.280

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 — Feature/Service Availability Inquiry 850 4.281

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: **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 — Feature/Service Availability Inquiry 850 4.282

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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 — Feature/Service Availability Response 855 4.283

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855 Purchase Order Acknowledgment - Feature/Service Availability 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 AIIIS 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

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

LOOP ID - PID 1

050 PID Product/Item Description C 1

LOOP ID - SLN 86

490 SLN Subline Item Detail C 1

500 SI Service Characteristic Identification C 1

M 530 ACK Line Item Acknowledgment M 1

Section 4 — Feature/Service Availability Response 855 4.284

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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 — Feature/Service Availability Response 855 4.285

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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

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 — Feature/Service Availability Response 855 4.286

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.

2 BAK09 is the date assigned by the sender to the acknowledgment.

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 1/22

Identifying number for Purchase Order assigned by the orderer/purchaser

M BAK04 373 Date M DT 8/8

Date expressed as CCYYMMDD

Section 4 — Feature/Service Availability Response 855 4.287

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 — Feature/Service Availability Response 855 4.288

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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.

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

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

C/Feature Availability Inquiry

SI04 1000 Service Characteristics Qualifier C AN 2/2

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

SB Code for switch type

SI05 234 Product/Service ID C AN 1/1

Identifying number for a product or service

If SI04 = SB

Switch type

Section 4 — Feature/Service Availability Response 855 4.289

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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: 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 1/1

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 — Feature/Service Availability Response 855 4.290

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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: 1 This segment will only be returned in case of an error.

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

Section 4 — Feature/Service Availability Response 855 4.291

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Segment: SLN Subline Item Detail

Position: 490

Loop: SLN Conditional

Level: Detail

Usage: Conditional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes: 1 If either SLN04 or SLN05 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

Comments:

Data Element Summary

Ref. Data

Des. Element Name Attributes

M SLN01 350 Assigned Identification M AN 1/3

Alphanumeric characters assigned for differentiation within a transaction set
Same value as line item PO101

M SLN02 350 Assigned Identification M AN 1/2

Alphanumeric characters assigned for differentiation within a transaction set
Numeric character identifying action number, i.e.

1/First action

2/Second action

3/Third action

...27/Twenty-seventh action

...53/Fifty-third action

M SLN03 662 Relationship Code M ID 1/1

Code indicating the relationship between entities

A Added

M SLN04 380 Quantity M R 1/1

Numeric value of quantity

Presently, always 1

M SLN05 C001 Composite Unit of Measure M

To identify a composite unit of measure

M C00101 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

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Segment: **SI** Service Characteristic Identification

Position: 500

Loop: SLN Conditional

Level: Detail

Usage: Conditional

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.

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

M SI02 1000 Service Characteristics Qualifier M AN 2/2

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

SF Switch feature

M SI03 234 Product/Service ID M AN 1/48

Identifying number for a product or service

If SI02 = SF

Switch feature

SI04 1000 Service Characteristics Qualifier C AN 2/2

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

FD Feature data

SI05 234 Product/Service ID C AN 1/48

Identifying number for a product or service

If SI04 = FD

Feature description

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Segment: **ACK** Line Item Acknowledgment

Position: 530

Loop: SLN Conditional

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

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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

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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

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Feature Availability Business Scenarios

Scenario #1 – Feature: NPANXX (Code C1)

The customer wishes to inquire about the availability of features for either a NPA/NXX or NPA/NNN.

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	C	R
-------	--------------	---	---

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

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

NPANXX	NPA/NXX or NPA/NNN	312333	R
--------	--------------------	--------	---

Output

Ameritech validates the NPA/NXX or NPA/NNN and returns a list of the available features.

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

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

TXTYP	Inquiry Type	C	R
-------	--------------	---	---

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

SWITCH TYPE	Switch Type	DMS-100	C (Returned for NPA/NXX inquiry)
-------------	-------------	---------	----------------------------------

* FEATURE Feature Code ESC C (Returned when Features exist for

the Switch)
* FEATURE DESCRIPTION Feature Description Call Forwarding C (Returned when Features exist for the Switch)
ERRCODE Error Code Ameritech
defined
C (Returned when an error is encountered)
* Repeatable Field

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Scenario #2 – Feature: CLLI (Code C2)

The customer wishes to inquire about the availability of features for a CLLI.

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 C R
INQACT Inquiry Activity A R
ST State IL R
CLLI Common Language Location Identifier CHIL01DSA R

Output

Ameritech validates the CLLI and returns a list of the available features.

Field Description Example Value Field Usage

INQNUM Inquiry Number 123456 R
TXTYP Inquiry Type C R
D/TSENT Date and Time Sent 199810251000 R
SWITCH TYPE Switch Type DMS-100 R
* FEATURE Feature Code ESC C (Returned when Features exist for the Switch)
* FEATURE DESCRIPTION Feature Description Call Forwarding C (Returned when Features exist for the Switch)
ERRCODE Error Code Ameritech
defined
C (Returned when an error is encountered)
* Repeatable Field

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Feature/Service Availability

Feature/Service Availability Inquiry

ST*850*0001
BEG*28*IN*INQNUM*CCYYMMDD*AE
DTM*097*D/T SENT (DATE) D/T SENT (TIME)
SI*TI*IQ*C*IR*A*LA*ST*LS*NPANXX*LO*CLLI
N1*78*CCNA
PO1*REFNUM*1*EA
CTT*1
SE*I*0001

Feature/Service Availability 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*C*SB*SWITCH TYPE
PO1*REFNUM*1*EA
PID*F*ERRCODE
SLN*REFNUM*1*A*1*EA
SI*TI*SF*FEATURE*FD*FEATURE DESCRIPTION
ACK*IA (ITEM ACCEPTED)
ACK*IR (ITEM REJECTED)
CTT*01
SE*13*0001

