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Bellcore Rating Administrative Data System (BRADS) User Guide

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1. INTRODUCTION TO THIS DOCUMENT

1.1 Purpose of This Document

This document provides information pertaining to the maintenance of the Bellcore Rating Administrative Data System (BRADS). BRADS products support public switched network (PSN) rating procedures used by Bellcore Client Companies (BCCs) and Independent exchange companies. They are essential to maintaining the integrity of customer billing and preventing fraudulent use of the PSN. Although this document is not available to the industry, the NPA/NXX V&H Coordinates Data Tape and INPG Microfiche Products support rating functions for Interexchange Carriers, Operator Service Providers, Flexible Route Selection Consultants and numerous other type companies.

Rating products output by BRADS include:

- Terminating Point Master (TPM)
- Operating Telephone Company Number Plan Guide (OTC NPG)
- NPA/NXX V&H Coordinate Tape
- Telephone Area Code Directory (TACD)

Details on system outputs may be found in Sections 7 and 8 of this document.

1.2 Background

On January 1, 1984, the responsibility for providing rating data to the telecommunications industry was transferred to Bellcore. The Finance organization of Bellcore is responsible for project management with input done by the Traffic Routing Administration (TRA).

1.3 How This Document is Organized

The remaining sections of this document provide instructions for preparation of system input forms. Considerations are included for product ordering and database closing schedules. Updates to each section will be issued when appropriate. Revisions to the record descriptions will be issued as necessary.

This document has ten sections, which are described below.

SECTION 1: INTRODUCTION TO THIS DOCUMENT

Describes the purpose, background, and organization of this document.

SECTION 2: BELLCORE RATING ADMINISTRATIVE DATA SYSTEM (BRADS) OVERVIEW

Describes the BRADS system and the system input guidelines.

SECTION 3: INTRODUCTION TO THE INPUT FORMS

Discusses the uses for the BRADS input forms and provides instructions for preparing each form.

SECTION 4: SPECIAL CALLING CARD CODES (O/XXX)

Describes the purpose of the Special Calling Card Codes and the input and output requirements for the codes. It also provides instructions for preparing the Special Calling Card Change Notification Form.

SECTION 5: REVENUE ACCOUNTING OFFICE CODE ADMINISTRATION

Discusses the purpose and administration of the RAO Code. It also provides instructions for preparing the Administration Form.

SECTION 6: LATA CODE ADMINISTRATION

Describes the procedures for LATA Code administration.

SECTION 7: SYSTEM OUTPUTS

Provides descriptions of the BRADS products and procedures for ordering the products.

SECTION 8: OUTPUT SPECIFICATIONS

Describes each data set, its purpose, use and composition.

SECTION 9: GLOSSARY

Provides definitions for the terms used in the document.

SECTION 10: SELECTED TERMS AND ACRONYMS

Contains a listing of the acronyms used in the document and the meaning for each.

SECTION 11: BRADS SYSTEM INPUT FORMS

Shows sample BRADS system input forms.

SECTION 12: THE BRIDS INPUT MODULE

Describes the new input module and tells how to get a copy of the BRIDS User Guide.

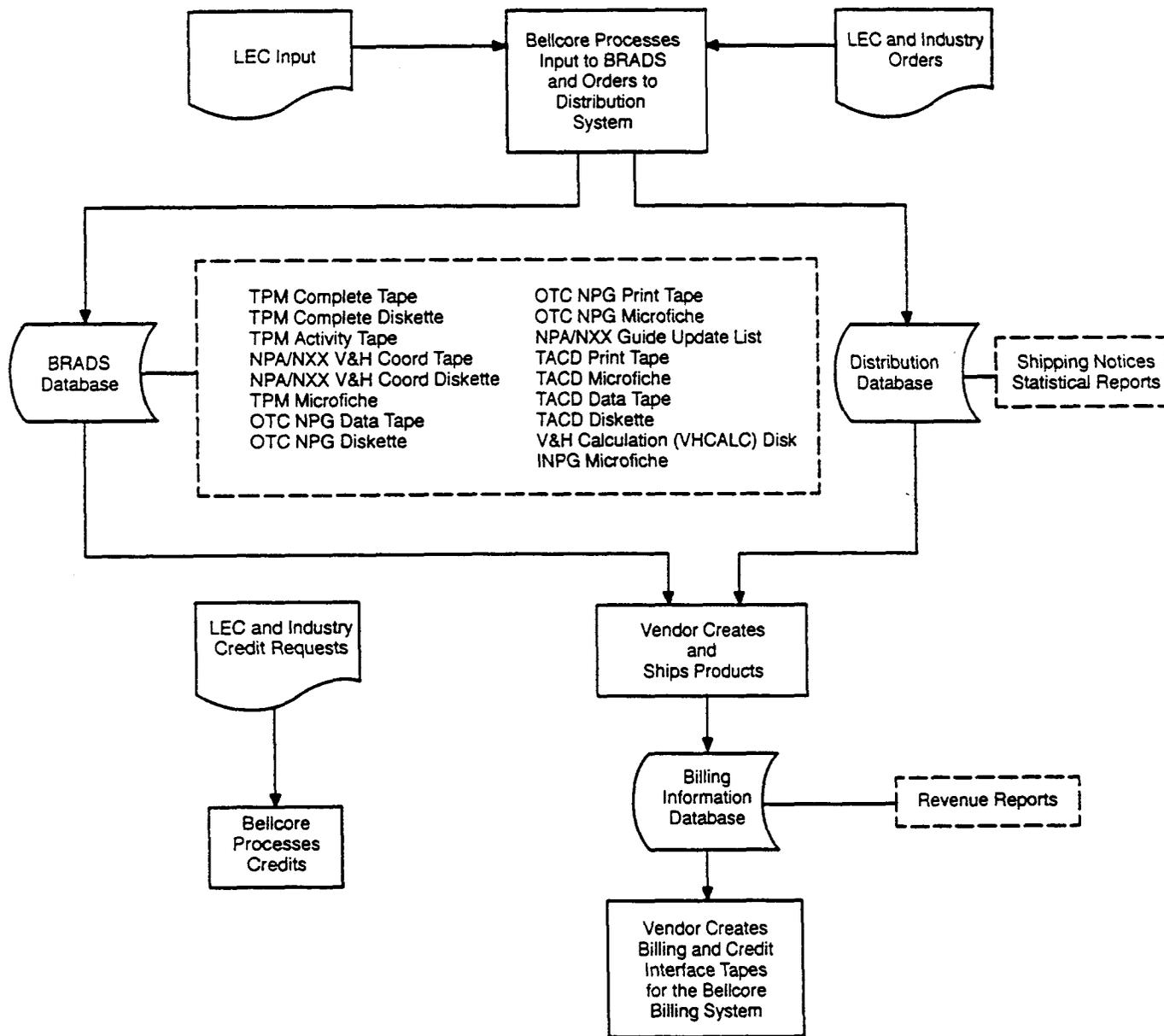


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2. BELLCORE RATING ADMINISTRATIVE DATA SYSTEM (BRADS) OVERVIEW

2.1 Database Features

BRADS is divided into two independent sets of databases: The Operating Telephone Company Number Plan Guide (OTCNPG) which has nine files, and the Telephone Area Code Directory (TACD) which has three files.

OTCNPG files:

- Numbering Plan Area (NPA)
- Exchange Rate Center Numbers (NXX) including Special Calling Cards
- Customer Name and Address (CNA)
- Business Office (BO)
- Revenue Accounting Office (RAO)
- Toll Library (TOL)
- Special Calling Cards (SCC)
- Operating Company Number (OCN)
- Card Issuer Identifier (CIID)

TACD files:

- State-Province-Island
- Exchange Rate Center (ERC)
- Locality (LOC)

2.2 System Input Guidelines

2.2.1 Recommended Responsibility for Input

Since mechanized message rating and message processing are dependent on data from BRADS products, it is necessary that the input be accurate, timely, and complete. Therefore, it is recommended that the personnel responsible for message rating and message processing assume responsibility for BRADS reporting. Local procedures govern whether input forms are to be submitted directly to TRA or through another work entity (i.e., Independent companies submit through BCC, Canadian independents submit through Bell Canada).

2.2.2 General Information to Report

Information falling into one or more of the following categories is generally necessary to ensure the accuracy of BRADS products:

- Company Information
- Contact Information for:
 - Residential Accounts
 - Business Accounts
 - Customer Name and Address (CNA)
 - Toll Library Directory
- Billing Information
- Dialing Information
- Transaction Indicators.

Only changed data needs to be reported. It is *not* necessary to enter both old and new data.

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Completed forms should be sent to the TRA address below:

Bellcore
 Traffic Routing Administration
 6 Corporate Place
 Room 1G-268
 Piscataway, NJ 08854-4156
 (908) 699-6700
 FAX (908) 336-6999

2.2.3 Reporting Intervals

Since BRADS NPA/NXX information is used by the industry in the message-rating process, timely reporting of accurate information is critical. Guidelines for lead times for input submission have been established to ensure the publication of new or changed information prior to its effective date.

2.2.4 TPM - OTCNPG Database Schedules

BRADS products have an Issue Date (Effective Date) of the 15th calendar day monthly. For consistency in planning work schedules, intervals for all input due dates, distribution dates, and Product Issue dates remain constant from month to month. If any deviations in these standard dates are required, notification will be provided to the industry.

Third Thursday (Current Month)	Input Close Date. Activity forms must reach Bellcore
Fourth Week (Current Month)	Distribution of BRADS products
15th Calendar Day (Following Month)	Product Issue Date (Effective Date)

NOTE: The database closing schedule for the Telephone Area Code Directory (TACD) is the Second Thursday of each month for publication in the following month's directory.

2.2.5 Input Submission Intervals

The following intervals have been established for publishing information in BRADS products. These intervals allow the industry to update its tables and procedures in a timely manner.

New NXXs	One issue prior to effective date. (Include Special Calling Card NXXs)
New or Split NPAs	Three issues prior to effective date.
RAO Codes	One issue prior to effective date. (See Section 5.)
All others	Issue containing effective date.

The following examples provide guidelines for submitting input forms:

Activity Type	Effective Date of Activity	Form Must be Received Before First Thursday of	First Issue in Which Activity is Published
New NXX	Nov 15 - Dec 14	Sep	Oct 15
New or Split NPA	Nov 15 - Dec 14	Jul	Aug 15
New RAO Code	Nov 15 - Dec 14	Aug	Sep 15
All Others	Nov 15 - Dec 14	Oct	Nov 15

2.2.6 Missed Interval Report

The purpose for lead times is to allow updates to the BRADS products to be published prior to their effective dates. When it is determined that the reporting interval has been missed, the activity will be included on the Late Code Report published by the Traffic Routing Administration. This report is published monthly by company and lists all activity which did not meet publication intervals.

2.2.7 Late Submissions

When it is determined that the report interval has been missed, proper forms should be prepared and sent to TRA using FAX. Bellcore's TRA FAX number is (908) 336-6999. TRA's contact telephone number is (908) 699-6700.

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3. INTRODUCTION TO THE INPUT FORMS

3.1 Overview

General input submission guidelines are provided in Section 2.2. There are nine change notification input forms. When reporting information, i.e., requests to add, change, or delete, each section must be block printed. Each input form is purposefully fielded to correspond with the number of spaces allocated in output products. Input updates the data bases listed below. (See Tab 11 for the complete forms.)

For Revenue Accounting Office (RAO) Codes, these completed forms should be sent by fax to the RAO Coordinator at

RAO Coordinator
 Bellcore
 8 Corporate Place, Room 3C-218
 Piscataway, NJ 08854-4156
 Phone (908) 699-5243
 Fax (908) 336-6585

<i>Number</i>	<i>Name</i>	<i>Updates</i>
TF-046	LATA Code Administration	OTCNPG
TF-049	RAO Administration	OTCNPG
TF-061	Billing and Operator Information	TACD OTCNPG
TF-062	Customer Name and Address Bureau	OTCNPG
TF-063	Business Office - Residence Accounts	OTCNPG
TF-064	Business Office - Business Accounts	OCTNPG
TF-065	Special Calling Card	OTCNPG
TF-066	Toll Library Directory	OTCNPG
TF-069	Billing Only NXX	OTCNPG

Instructions for preparation of the TF-046 used for LATA Code Administration can be found in Section 6 of this guide.

Instructions for preparation of the TF-049 used for RAO Administration can be found in Section 5 of this guide.

Instructions for preparation of the TF-065 used to add or delete Special Calling Cards can be found in Section 4 of this guide.

Card Issuer Identifiers are administered by Bellcore under SR-BDS-001511, *Administrative Guidelines for Card Issuer Identifiers*.

3.2.1 Preparing the Billing and Operator Information Input Form

3.2.1.1 Company Information Section

If Field is Labeled...	And	Then Enter...
NPA		The actual three-digit NPA of the "Place Name" that will be shown in the Customer Bill Information section.
State Abbreviation		The two-position alphabetical state code.
State Name or Special Purpose NPA Name	State name is less than 30 characters.	Full state name.
	State name is more than 30 characters.	Abbreviated state name.
Company Number		The four-digit number on file with the National Exchange Carrier Association (NECA) that uniquely identifies the local exchange company who owns the NXX or special billing number. BCCs should use the 9XXX series assigned by Bellcore INSTEAD of the NECA number.
Company Name		A thirty-character name or abbreviation of the local exchange company who owns the NXX or special billing number. Operating company numbers and company names are provided on the OTCNPG microfiche, and are in TPM and V&H Coordinates Data Tapes.

3.2.1.2 Billing Information

If Field is Labeled...	And	Then Enter...
Transaction Indicator	Information is being reported in the Billing Information Section.	A check in the appropriate block.
Effective Date		The month, day, and year when the activity will be effective.
NXX		The three-digit exchange code or special billing code.
NXX Type	NXX Code is:	
	Public Switched (Regular)	00
	Mobile	01
	Paging	02
	Packet Switching	03
	Cellular	04
	Plant Test	05
	Maritime	06
	Air to Ground	07
	800 service	08
	900 service	09
	Called Party Pays	10
	Information Provider Service	11
	Reserved for Future Use	12
	Directory Assistance	13
	Special Calling Card	14
	Official Exchange Carrier Service	15
	Originating Only	16
	Billing Only	17
	800 Database	18
	Broadban	30
	Reserved	31
	Reserved	32
	Reserved	33
	Reserved	34
Reserved	35	
Shared among 3 or more services	50	
Shared between POTS and Mobile	51	
Shared between POTS and Paging (Reserved For Future Use)	53	
Shared between POTS and Cellular	54	
Cellular - Service Provider	55	

If Field is Labeled...	And	Then Enter...
	Paging - Service Provider	56
	Mobile - Service Provider	57
	Cellular - Service Provider	60
	Paging - Service Provider	61
	Mobile - Service Provider	62
	Combinations of 60, 61, and/or 62	63
NXX Type (continued)	Personal Communication Service (PCS) - Provider	64
	Toll Station - Ring Down	88
IDDD	NXX is capable of IDDD on an originating basis.	A check in the YES block.
	NXX is <i>not</i> capable of IDDD on originating basis.	A check in the NO block.
Dialable	NXX is dialable by customers	A check in the YES block.
	NXX is <i>not</i> dialable by customers	A check in the NO block.
Daylight Savings Observed	NXX observes daylight savings time.	A check in the YES block.
	NXX does <i>not</i> observe daylight savings time.	A check in the NO block.
Non Dialable NPA	NXX is <i>not</i> dialable by customers	Actual geographical NPA for non dialable point.
RAO		Three-digit RAO code to be used in the billing record. NOTE: If RAO is new, refer to RAO Administration Section for RAO assignment.
CNA	CNA Bureau is listed in Section 3 of the OTC NPG Microfiche following NPA/NXX listings.	A one- to three-digit code identifying the CNA bureau providing information for the NXX. NOTE: If CNA is new, be sure to complete form TF-062, Customer Name and Address Bureau and leave CNA blank for assignment of a new CNA code by the Bellcore Administrator. Assignment may be procured by contacting the Administrator on (908) 699-4379.

If Field is Labeled...	And	Then Enter...
Bus Ofc		Two-digit code used to reference the business office handling customer accounts assigned with the NXX line number ranges. NOTE: If Business Office (BO) code is new be sure to complete form TF-063 Business Office-Residence Accounts or TF-064 Business Office-Business Accounts. Preparation instructions are in sub-section 3.4.1
LATA		The code assigned to the Local Access and Transport Area or the LATA-like code if the NXX is in Independent exchange territory. NOTE: If the LATA is being changed for the NXX refer to Section 5 of this document.
Subzone		Two-digit subzone code assigned to the Local Exchange Company LATA subzone. NOTE: If the subzone code is being revised, refer to Section 5 of this document.
Time Zone	NXX is in Time Zone Named:	
	None	0
	Samoa	1
	Hawaii	2
	Alaska/Yukon	3
	Pacific	4
	Mountain	5
	Central	6
	Eastern	7
	Atlantic	8
Newfoundland	9	

If Field is Labeled...	And	Then Enter...
Type of Company	Carrier is: Bellcore Client Company Exchange Carrier Independent Exchange Carrier Interexchange Carrier Radio Common Carrier Cincinnati Bell or Southern New England Telephone Cellular Carrier	0 1 2 3 4 5
Place Name Coordinates		The Major vertical and horizontal rate center coordinates that are filed in the local exchange tariff. When the under/over 40-mile rule applies, be sure to enter the Minor vertical and horizontal rate center coordinates as well.
Place Name		The fifty-character "to name" that is to be printed on customer bills for this NXX. NOTE: This does <i>not</i> need to be the same as the Rate Center or the Locality name.
State Abbreviation		Two-position alphabetical state code for place location. NOTE: The state abbreviation code listed here will NOT be the same as that state abbreviation shown in the Company Information section in cross-boundary situations.

If Field is Labeled...	And	Then Enter...
Locality Name		The fifty-character name of the locality served by the rate center and generally is filed in the local exchange tariff. The Locality Name selected may vary from this guideline based on the decision of the BCC operating company. Different guidelines should be widely circulated by the BCC operating company and applied consistently throughout the region.
State Abbreviation		Two-digit alphabetical state code for the location of the locality. NOTE: The state abbreviation code listed here will NOT be the same as that state abbreviation shown in the Company Information section in cross-boundary situations.
Rate Center Name		The fifty-character name of the rate center as filed in the local exchange tariff.
State Abbreviation		Two-digit alphabetical state code for the location of the rate center. NOTE: The state abbreviation code listed here will NOT be the same as that state abbreviation shown in the Company Information section in cross-boundary situations.
Transaction Indicator	An entry is in Rate Center.	A check mark in YES or NO to indicate if rate center name is new or existing.

3.2.1.3 Operator Information

If Field is Labeled...	And	Then Enter...
Mark Sense	An entry appears in non dialable NPA.	The six-digit code to be marked/keyed by the operator to identify this Toll Station, etc. (which is not dialable by the customer). This six-digit code is used to allow mechanical rating and processing by the Revenue Accounting Office. NOTE: In most cases, this would be the same entry as shown in the NPA and NXX fields; e.g., 888 164.
Numbers	A check mark appears in dialable YES block.	Three-digit NPA code and "+7D".
	A check mark appears in the dialable NO block.	Up to nine digits an operator will use to reach a customer with this pseudo NXX, i.e., NPA+ATC+121.

3.2.1.4 Approval Identification Section

If Field is Labeled...	And	Then Enter...
Serial No. State No.		Locally developed scheme for identifying the form, i.e., State = NJ No. = 001
Prepared By Reviewed By Authorized By	Form is prepared by Company whose name is listed in Company Name field of Company Information Section, i.e., company who owns the NXX.	Name, title, telephone number, date and department of person preparing, reviewing, and authorizing the form.
	Form is <i>not</i> prepared by Company owning the NXX.	Name of Company in "Name" field, title, telephone number, and department of preparer. Name, title, telephone number, date, and department of person reviewing and authorizing the form.

Approval/Identification		Serial No.	State	No.
Prepared By	Name		Title	
	Tel. No.		Date (MMDDYY)	Department
Reviewed By	Name		Title	
	Tel. No.		Date (MMDDYY)	Department
Authorized By	Name		Title	
	Tel. No.		Date (MMDDYY)	Department

Figure 3-7. Approval and Serialization Identification Section

3.3.1 Preparing the Customer Name and Address Bureau Information Form

3.3.1.1 Company Information Section

If Field is Labeled...	And	Then Enter...
NPA		Three-digit NPA to reach the CNA bureau providing customer name and address information for the NXX.
State Abbreviation		Two-position alphabetical state code.
State Name or Special Purpose NPA Name	State name is less than 30 characters.	Enter full state name.
	State name is more than 30 characters.	Enter abbreviated state name.
Company Number		The four-digit number on file with the National Exchange Carrier Association that uniquely identifies the local exchange company who owns the NXX or special billing number. BCCs should use the 9XXX series codes.
Company Name		A thirty-character name or abbreviation of the local exchange company who owns the NXX or special billing number.
Transaction Indicator		A check in the appropriate block.
Effective Date		The month, day, and year when the activity will be effective.

3.3.1.2 CNA Information Section

If Field is Labeled...	And	Then Enter...
CNA Information Available		A check in the appropriate box.
CNA Name	Company whose name and number are listed in the Company Information section will provide CNA information.	Leave blank.
	Company whose name and number are listed in Company Information section will <i>not</i> provide CNA information.	The thirty-character name or abbreviation of the Company responsible for this information.
Street Address City Name State Abbreviation Zip Code		Number, Street, Room Number, City Name, State abbreviation, and Zip Code where correspondence should be sent. NOTE: Any directional phrase such as None; Call Business Office Handling Account should be typed in the Notes field.
CNA Telephone No.		Three-digit NPA and seven-digit number to call for CNA information.
Notes	CNA wants to share operational information (i.e., calls answered between 9 and 4 Eastern Time, or information on three accounts provided over the telephone, otherwise write for CNA information).	The information about local operations the CNA Information Center will provide and hours of operation, etc.

3.3.1.3 Approval Identification Section

If Field is Labeled...	And	Then Enter...
Serial No. State No.		Locally developed scheme for identifying the form, i.e., State = NJ No. = 001
Prepared By Reviewed By Authorized By	Form is prepared by Company whose name is listed in company name fields of Company Information Section, i.e., company who owns the NXX.	Name, title, telephone number, date and department of person preparing, reviewing and authorizing the form.
	Form is <i>not</i> prepared by Company owning the NXX.	Name of Company in "Name" field, title, telephone number, and department of preparer. Name, title, telephone number, date, and department of person reviewing and authorizing the form.

Approval/Identification		Serial No.	State	No.
Prepared By	Name		Title	
	Tel. No.		Date (MMDDYY)	
Reviewed By	Name		Title	
	Tel. No.		Date (MMDDYY)	
Authorized By	Name		Title	
	Tel. No.		Date (MMDDYY)	

Figure 3-13. Approval and Serialization Identification Section - Residence

3.4.1 Preparing the Business Office (Business or Residence) Change Notification Form

3.4.1.1 Company Information Section

If Field is Labeled...	And	Then Enter...
NPA		Three-digit NPA used to contact the business office providing information for the NXX.
State Abbreviation		Two-position alphabetical state code.
State Name or Special Purpose NPA Name	State name is less than 30 characters.	Enter full state name.
	State name is more than 30 characters.	Enter abbreviated state name.
Company Number		The four-digit number on file with the NECA that uniquely identifies the company who owns the NXX or special billing number. BCCs should use the 9XXX series code.
Company Name		A thirty-character name or abbreviation or the local exchange company who owns the NXX or special billing number.
Business Office Code		The code assigned by your company to uniquely identify this BO.
Transaction Indicator	Any information is being reported in the Billing Information Section.	A check in the appropriate block.
Effective Date		The month, day, and year when the activity will be effective.

3.4.1.2 Business Office Information Section

If Field is Labeled...	And	Then Enter...
Residence or Business Billing Account	Information required is for street address, city name, state, Zip code, NPA, and telephone number.	Number, street, room number, city name, state abbreviation and zip code where correspondence should be sent. The NPA and telephone number to call for billing information.
Residence or Business Orders Account	Information required is for street address, city name, state, Zip code, NPA, and telephone number.	Number, street, room number, city, state abbreviation, and zip code where correspondence should be sent. The NPA and telephone number to call for information about orders.
Other Residence or Business Account	Information required is for account name, street address, city name, state, Zip code, NPA, and telephone number.	Account name, i.e., Final Accounts, if applicable, number, street, room number, city, state abbreviation, and zip code where correspondence should be sent. The NPA and telephone number to call to reach the business office.

3.4.1.3 Approval Identification Section

If Field is Labeled...	And	Then Enter...
Serial No. State No.		Locally developed scheme for identifying the form, i.e., State = NJ No. = 001
Prepared By Reviewed By Authorized By	Form is prepared by Company whose name is listed in company name fields of Company Information Section, i.e., company who owns the NXX.	Name, title, telephone number, date and department of person preparing, reviewing, and authorizing the form.
	Form is <i>not</i> prepared by Company owning the NXX.	Name of Company in "Name" field, title, telephone number, and department of preparer. Name, title, telephone number, date, and department of person reviewing and authorizing the form.

Approval/Identification		Serial No.	State	No.
Prepared By	Name	Title		
	Tel. No.	Date (MMDDYY)	Department	
Reviewed By	Name	Title		
	Tel. No.	Date (MMDDYY)	Department	
Authorized By	Name	Title		
	Tel. No.	Date (MMDDYY)	Department	

Figure 3-16. Approval and Serialization Information Section

3.5.1 Preparing the Toll Library Directory Form

3.5.1.1 Company Information Section

If Field is Labeled...	And	Then Enter...
NPA		The three-digit NPA served by this code.
State Abbreviation		The two-position alphabetical state code.
State Name or Special Purpose NPA Name	State name is less than 30 characters.	Enter full state name.
	State name is more than 30 characters.	Enter abbreviated state name.
Company Number		The four-digit number on file with the NECA that uniquely identifies the company who operates the library. BCCs should use the 9XXX code.
Company Name		A thirty-character name or abbreviation of the local exchange company who operates the library.
Code	Code is listed in Section 5 of the OTCNPG microfiche.	The identification code appearing in the OTCNPG.
	Code is <i>not</i> listed in Section 5 of the OTCNPG microfiche.	The new two-digit identification code obtained from Victor A. Basinski Systems Engineer Bellcore 8 Corporate Place Room 3C-218 Piscataway, NJ 08854-4156 (908) 699-5243

3.5.1.2 Billing Information

If Field is Labeled...	And	Then Enter...
Transaction Indicator		A check in the appropriate block.
Effective Date		The month, day and year when the activity will be effective.
Address, City Name, State and Zip Code		Number, Street, Room Number, City Name, State abbreviation, and Zip Code where correspondence should be sent. NOTE: Any directional phrase such as None; Call Business Office Handling Account, should be typed in the Notes field.
Telephone Number		The three-digit NPA and seven-digit number to call to contact the library.
Notes		Information about local operations.
Time Zone	Library observes time zone named:	
	Samoa	1
	Hawaii	2
	Alaska/Yukon	3
	Pacific	4
	Mountain	5
	Central	6
	Eastern	7
	Atlantic	8
	Newfoundland	9

If Field is Labeled...	And	Then Enter...
Daylight Savings	Library observes daylight savings time.	A check in the YES block.
	Library does <i>not</i> observe daylight savings time.	A check in the NO block.
Message Detail Available		A check in the appropriate block.
Hours		Beginning and end of business day in format HH:MM.
RAOs Served by Toll Library		The RAO codes for which the library can provide information.

3.5.1.3 Approval Identification Section

If Field is Labeled...	And	Then Enter...
Serial No. State No.		Locally developed scheme for identifying the form, i.e., State = NJ No. = 001
Prepared By Reviewed By Authorized By	Form is prepared by Company whose name is listed in company name fields of Company Information Section, i.e., company who owns the NXX.	Name, title, telephone number, date and department of person preparing, reviewing, and authorizing the form.
	Form is <i>not</i> prepared by Company owning the NXX.	Name of Company in "Name" field, title, telephone number, and department of preparer. Name, title, telephone number, date, and department of person reviewing and authorizing the form.

Billing Information			
Transaction Indicator		Effective Date (Month-Day-Year)	Type Of Company
<input type="checkbox"/> New	<input type="checkbox"/> Delete	____/____/____	____
NXX	NXX Type	Phone Name	RAC
____	(1,7)	(B,1,L,L,1,N,G,N,X,X)	

Figure 3-18. Billing Only NXX Information Section

Approval/Identification		Serial No.	State	No.
Prepared By	Name		Title	
	Tel. No.		Date (MMDDYY)	Department
Reviewed By	Name		Title	
	Tel. No.		Date (MMDDYY)	Department
Authorized By	Name		Title	
	Tel. No.		Date (MMDDYY)	Department

Figure 3-19. Approval and Identification Section

3.6.1 Preparing the Billing Only NXX Form

3.6.1.1 Company Information Section

If Field is Labeled...	And	Then Enter...
NPA		The actual three-digit NPA of the billing RAO.
State Abbreviation		The two-position alphabetic state code.
State Name or Special Purpose NPA Name	State name has fewer than 30 characters.	Full state name.
	State name has more than 30 characters.	Abbreviated state name.
Company Number		The four-digit number on file with the NECA that uniquely identifies the company to which the NXX is assigned. BCC should use the 9XXX Code.
Company Name		A thirty-character name or abbreviation of the local exchange company.

3.6.1.2 The Billing Section

If Field is Labeled...	And	Then Enter...
Transaction Indicator	Any information is being reported in the Billing Information Section.	A check in the appropriate block.
Effective Date		The month, day, and year when the activity will be effective.
Type of Company	Carrier is: Bellcore Client Company Exchange Carrier Independent Exchange Carrier Interexchange Radion Common Carrier Cincinnati Bell or Southern New England Telephone Cellular Carrier	0 1 2 3 4 5
RAO		The three-digit RAO code code to be used in the billing record. NOTE: If RAO is new, refer to RAO Administration Section for requesting an RAO assignment.
NXX		The three-digit Billing Only Code.

3.6.1.3 Approval Identification Section

If Field is Labeled...	And	Then Enter...
Serial No. State No.		Locally developed scheme for identifying the form, i.e., State = NJ, No. = 001
Prepared By Reviewed By Authorized By	Form is prepared by Company whose name is listed in Company Name field of Company Information Section, i.e., company who owns the NXX.	Name, title, telephone number, date and department of person preparing, reviewing, and authorizing the form.
	Form is <i>not</i> prepared by Company owning the NXX.	Name of Company in "Name" field, title, telephone number, and department of preparer. Name, title, telephone number, date, and department of person reviewing, and authorizing the form.

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4: SPECIAL CALLING CARD CODES (O/1XX)

4.1 Overview

A Special Calling Card enables a customer to make calls on a credit basis and have the charges billed to the special (pseudo NXX) calling card with or without having a work or residence telephone number or credit card to bill the charges. Special Calling Cards are issued by RAO Code. The exchange company (local operating company) to which the RAO is assigned is responsible for assignment and maintenance of the Special Calling Card numbers (pseudo NXX codes and line numbers). Information regarding the assignment and use of RAO Codes is found in Section 5 of this document.

4.2 Publishing Locally Assigned Code

Even though each carrier may have special calling cards, it is necessary that the assignments with their associated RAO code be shared so that messages may be forwarded to the correct office for customer billing.

4.3 Reporting The Code

Input for newly assigned Special Calling Cards should reach Bellcore in time to allow publication prior to the effective date of the activity. This interval is the same as any new NXX code. (One issue prior to effective date.) For further information on scheduled "Closing" and publication dates, refer to Section 2.

4.4 Input

The special calling cards carry the format of RAO-0/1XX-XXXX-NYYY. When the billing RAO begins with a value of zero (0) or a one (1), add 600 to the actual RAO number before printing it on the customer's card. For example, RAO 094 in print becomes 694 and RAO 189 converts to 789. The fictitious RAO code is not reported on the TF065 form, but rather the actual billing RAO.

4.5 Output

The TPM data set, BCR.TPM.Master, and Section 6 of the OTCNPG Microfiche carry the billing RAO and the 0/1XX special calling card (NXX) number. The Special Calling Card NXXs listed on the TPM have a type of NXX of "14". The fourth data set on the TPM and the NPA/NXX V&H Coordinates Data Tapes contain Special Calling Card Codes. (See Section 8 for Record Descriptions of these data tapes.)

Approval/Identification		Serial No.	Size	No.
Prepared By	Name		Title	
	Tel. No.		Date (MM/DD/YY)	Department
Reviewed By	Name		Title	
	Tel. No.		Date (MM/DD/YY)	Department
Authorized By	Name		Title	
	Tel. No.		Date (MM/DD/YY)	Department

Figure 4-3. Approval and Serialization Identification Section

4.6.1 Preparing the Special Calling Card Form

4.6.1.1 Company Information Section

If Field is Labeled...	And	Then Enter...
NPA		The actual three-digit NPA of the billing RAO.
State Abbreviation		The two-position alphabetical state code.
State Name or Special Purpose NPA Name	State name has fewer than 30 characters.	Full state name.
	State name has more than 30 characters.	Abbreviated state name.
Company Number		The four-digit number on file with the NECA that uniquely identifies the company who issues the special billing number. NOTE: Section 7 contains a numerical listing of company numbers.
Company Name		A thirty-character name or abbreviation of the local exchange company who issues the special billing number. NOTE: Section 7 contains an alphabetical listing of company names.

4.6.1.2 The Billing Section

If Field is Labeled...	And	Then Enter...
Transaction Indicator	Any information is being reported in the Billing Information Section.	A check in the appropriate block.
Effective Date		The month, day, and year when the activity will be effective.
Type of Company	Carrier is: Bellcore Client Company Exchange Carrier (BOC) Independent Exchange Carrier Interexchange carrier Radio Common Carrier Cincinnati Bell or Southern New England Telephone Cellular Carrier	0 1 2 3 4 5
RAO		The three-digit RAO code code to be used in the billing record. NOTE: If RAO is new, refer to RAO Administration Section for requesting an RAO assignment.
NXX		The three-digit special billing code.

4.6.1.3 Approval Identification Section

If Field is Labeled...	And	Then Enter...
Serial No. State No.		Locally developed scheme for identifying the form, i.e., State = NJ, No. = 001
Prepared By Reviewed By Authorized By	Form is prepared by Company whose name is listed in Company Name field of Company Information Section, i.e., company who owns the NXX.	Name, title, telephone number, date and department of person preparing, reviewing, and authorizing the form.
	Form is <i>not</i> prepared by Company owning the NXX.	Name of Company in "Name" field, title, telephone number, and department of preparer. Name, title, telephone number, date, and department of person reviewing, and authorizing the form.

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5. REVENUE ACCOUNTING OFFICE CODE ADMINISTRATION

5.1 Overview

A three-position alpha/numeric RAO code is used to designate which operating telephone company (OTC) revenue accounting office is responsible for the billing of charges incurred by OTC customers.

5.1.1 Code Administration

RAO codes are assigned by Bellcore to BCC exchange carrier companies who use these RAO codes for their own processing. They also suballocate the codes assigned to them to Exchange Carriers (ECs) with whom they interface.

5.1.2 Code Use

These RAO codes are used in the exchange of messages over the Centralized Message Distribution System (CMDS), in the computation of settlements via the Calling Card and Third Number Settlements (CATS) system and in day-to-day telephone company operations such as message investigation, processing of customer claims, etc.

5.2 Code Assignment Guidelines

5.2.1 Telephone Company Use

See Bellcore SR-3582. This document can be ordered by calling the Bellcore Documentation Hotline (908) 699-5802.

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6. LATA CODE ADMINISTRATION

6.1 Overview

At divestiture, the Bell Operating Companies were divided into Local Access and Transport Areas (LATAs), each with a number and a name.

The timely availability of accurate LATA-code information by NPA/NXX is very important to the telecommunications industry. This information is used by the Local Exchange Companies and the Interexchange Carriers to support routing and rating functions and is the basis for the application of access charges and the assignment of revenues.

6.1.1 Availability of Information

Bellcore provides LATA-code information to the telecommunications industry via the RDBS, LERG, TPM and the NPA/NXX V&H Coordinates Tape. All of these products are a compilation of information for all points in the North American Numbering Plan.

6.1.2 Source and Accuracy of Information

The timeliness and accuracy of these products are controlled by the Local Exchange Carriers who report changes to the TRA via the updating of the Routing Data Base and via the BRADS Change Notification for Billing and Operator Information (TF-061).

6.1.3 New Form

The following LATA Code Administration procedures are an additional step in the procedures already in effect for reporting updates to the RDBS using the BRADS Change Notification form. The information on the LATA Code Administration form will be used to edit the NPA/NXX updates reported to RDBS and BRADS to ensure that they are accurate and complete. Examples of such edits follow.

A. Example 1

If a LATA code is discontinued and the points within that LATA reassigned to another LATA or LATAs, the information on the LATA Code Administration form will be used to validate that all of the necessary NPA/NXX updates were received and that no NPA/NXX with the deleted LATA is left in either RDBS or BRADS. Likewise, the discontinued LATA will be deleted from the Master Table so that no points can be added or changed to reflect the discontinued LATA.

B. Example 2

If a LATA is being split into subzones, the information on this form will be used to validate that all of the points in the LATA being split are assigned to a valid subzone and that no point within the LATA can be added or changed without a valid subzone.

6.2 Subzone Guidelines

6.2.1 Background

A state regulator agency has approved the splitting of the LATAs within its state into subzones and is allowing Interexchange Carriers to provide service between the subzones within the LATA.

6.2.2 Purpose

Recognizing that the views of the various regulatory groups could be different on how a LATA should be split, the guidelines that follow in no way attempt to provide any recommendation on how to physically split a LATA. Instead, these are administrative guidelines for reporting a LATA subzone split, so that such a split can be reflected in the RDBS, the TPM, etc.

6.2.3 Reporting Responsibility

A LATA split is the responsibility of all the operating telephone companies within the LATA based upon the regulatory and/or court order granting the split.

6.2.4 Industry Coordination

It is recommended that the BCC operating within the state in which the LATA split is occurring, be responsible for coordinating with the Independent Exchange Companies involved in the numbering, naming, and reporting of the LATA Subzones. Generally, the BCC will submit BRADS update information for all companies in the affected area.

6.2.5 Subzone Identification

When a LATA is split into subzones, each subzone should be designated by a number (01-98) and given a name. The "00" value is reserved to indicate that no subzone split for the LATA exists.

The numbering and naming of the subzones will be the responsibility of the Local Exchange Companies in the LATA. The subzone name assigned should reflect, when possible, any designation or reference that might be contained in a regulatory or court order.

6.2.6 Initial NPA/NXX Assignment

When a LATA is split into subzones each NPA/NXX within the LATA being split must be assigned to a subzone or reassigned to a new or existing LATA.

6.2.7 NPA/NXX Reassignment

Once a LATA is split into subzones, points within the LATA may be moved from one subzone to another or reassigned to a new or existing LATA.

6.2.8 Deleting A Subzone

Once a LATA is split, a subzone may be deleted as long as the points in that subzone are reassigned to a new or existing subzone, or reassigned to a new or existing LATA.

6.2.9 Subzone Name Change

The name on a LATA subzone once established may be changed.

6.2.10 Discontinuing a Subzone

Once a LATA is split into subzones, the subzone split may be discontinued if all of the points in the LATA are changed to a subzone of "00" or reassigned to a new or existing LATA.

6.3.2 When to Use the Form

This form was designed to report to the TRA the following types of LATA Code changes:

- **New LATA** - when a new LATA is created and approved by a regulatory or court order.
- **New LATA with Subzones** - when a new LATA is created and approved by a regulatory or court order and which, with its approval, includes a sub-break down or subzone split of the LATA.
- **Establish Subzone Split for Existing LATA** - when an existing LATA is subdivided or split into subzones.
- **Change in Subzone for Existing LATA** - once a subzone split of a LATA has been implemented it may be necessary to make a change in that split. Examples include a subzone split and the points in that subzone allocated between the old subzone and a new subzone, a subzone deleted with all of the points in that subzone allocated to other subzones or the name of a subzone change.
- **Discontinue LATA** - a LATA is discontinued and all of the points in the LATA are reassigned to another LATA(s).
- **Discontinue LATA with Subzones** - a LATA with subzones is discontinued and all of the points within the LATA are reassigned to another LATA(s).
- **Discontinue Subzone Split for Existing LATA** - a LATA split into subzones is returning to an unsplit LATA with no subzones existing within the LATA.

LATA Code		LATA Name	
Reporting Company		Reported By	Tel. No.
NPA's in Which LATA is Valid			
Type of Change <input type="checkbox"/> New LATA <input type="checkbox"/> New LATA With Subzones* <input type="checkbox"/> Establish Subzone Split For Existing LATA* <input type="checkbox"/> Change In Subzones For Existing LATA*			<input type="checkbox"/> Discontinue LATA <input type="checkbox"/> Discontinue LATA With Subzones <input type="checkbox"/> Discontinue Subzone Split For Existing LATA
			Effective Date
*Complete LATA Subzone Section For These Changes			

Figure 6-2. LATA Code Information Section

- (1) LATA Code - Three-digit numeric code assigned to the LATA.
- (2) Reporting Company - Name of Local Exchange Company reporting the change.
- (3) LATA Name - Name of the LATA.
- (4) Reported By - The name of the individual reporting the change.
- (5) Telephone No. - The telephone number of the individual reporting the change.
- (6) NPA in which LATA is valid - List all of the area codes that may be associated with this LATA.

LATA Subzones				
Subzone No. (01-98 Valid)	Subzone Name	Establish Subzone	ACTION Delete Subzone	Change Subzone Name

Figure 6-3. LATA Subzones Section

- (7) Type of Change - Check the box which indicates the type of change being reported.
- (8) Effective Date - Date the change is effective.
- (9) LATA Subzones - This section should contain the subzone number and subzone name and check mark indicating the change to be made to the subzone.

6.3.3 LATA Code Procedures

STEP	PROCEDURE
1	LATA code change approved.
2	Local Exchange Carrier (LEC) prepares LATA Code Administration form (TF-046).
3	LEC sends form to: Bellcore Consultant/Specialist - BRADS Piscataway Administration Center 8 Corporate Place Room 3C-218 Piscataway, NJ 08854-4156 (908) 699-5243
4	LEC fills out a Change Notification form (TF-061) according to instructions contained in Section 3.
5	LEC sends the TF-061 to: Bellcore Traffic Routing Administration 6 Corporate Place Room 1G-268 Piscataway, NJ 08854-4156 (908) 699-6700 FAX (908) 336-6999

6.3.4 Effective Dates

Forms should reach the respective address listed above sixty days in advance of the effective date. For example:

If the Effective Date of the LATA change is	The forms must reach Bellcore by	To be included in Products Issued:
2-1-86	12-1-85	1-15-86 (January)

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7. SYSTEM OUTPUTS

7.1 Overview

BRADS generates many products (see Section 7.3 for details). Data is output to tape, diskette, microfiche, and printed copy. BRADS products support rating functions in BCC Exchange Carriers, Independent Exchange Carriers and Interexchange Carriers (IC). In addition, they are used in various applications by other entities.

7.2 Recipients

7.2.1 Customer Types

BRADS product recipients or customers fall into one of several categories depending on the nature of the customer's business and their relationship to Bellcore.

The BRADS customer types are:

Customer Type	Acronym	Code
Bellcore Client Company Exchange Carrier	BCC	0
Independent Exchange Carrier	IEC	1
Interexchange Carrier	IC	2
Radio Common Carrier	RCC	3
Cincinnati Bell or Southern New England Telephone	CINNBELL/ SNET	4
Cellular Carrier	CC	5
Other Industry	IND	9

7.3 Products

Descriptions of each product are provided in this section. Data tape record descriptions and microfiche layouts are provided in Section 8.

7.3.1 Products and Customer Reference List

Product Code	Product Name	Distribution Schedule	Customers
TT01	TPM Complete Tape	Monthly	BCC, IEC
DT05	TPM Complete Diskette	Monthly	BCC, IEC
TT03	NPA/NXX V&H Coord Tape	Monthly	IC, IND
DT12	NPA/NXX V&H Coord Disk	Monthly	IC, IND
FT04	TPM Microfiche	Monthly	BCC, IEC
TN08	OTCNPG Data Tape	Monthly	BCC, IEC
DT13	OTCNPG Diskette	Monthly	BCC, IEC
TN09	OTCNPG Print Tape	Monthly	BCC
FN10	OTCNPG Microfiche	Monthly	BCC, IEC
FG11	Industry Numbering Plan Guide	Monthly	IC, IND
LN16	NPA/NXX Guide Update List	Weekly	IC, IND
TA19	TACD Print Tape	Monthly	BCC, IEC, IC, IND
FA20	TACD Microfiche	Monthly	BCC, IEC, IC, IND
TA21	TACD Data Tape	Monthly	BCC, IEC, IC, IND
DT29	TACD Diskette	Monthly	BCC, IEC, IC, IND

7.3.2 Product Rates

Please refer to the current order form for current rates.

BR 010-200-005
 Issue 5, December 1995
 Revision 1, November 1996

7.3.3 Licensing Arrangements

Special Licensing arrangements are possible. Such requests for products should be made in writing to:

Bellcore
 Licensing Manager
 Piscataway Administration Center
 8 Corporate Place, Room 3A-213
 Piscataway, New Jersey 08854-4156

7.3.4 Frequency of Delivery

Subscription products are shipped monthly or quarterly as ordered. Monthly subscriptions are shipped during the third week of each month. Quarterly subscriptions are shipped during the third week of December, March, June and September. Special or one-time orders are shipped within two days of the requested shipping date. Special orders can be placed for any product with an issue date of within the last year. Issue date, if not specified, will be assumed to be the next issue produced.

7.3.5 Shipping Method

Three shipping methods are used: first class mail, two-day carrier service, and express overnight carrier service. Microfiche orders are shipped via first class mail. Two-day carrier service is used for all tapes. Express overnight carrier service is available upon request.

NOTE: Tapes shipped via carrier must have a street address. Carriers do not deliver to a post office box address.

7.3.6 Issue and Ship Date Cross-Reference List

Issue Date (Effective Date of Product)		Month Shipped
January	15	December
February	15	January
March	15	February
April	15	March
May	15	April
June	15	May
July	15	June
August	15	July
September	15	August
October	15	September
November	15	October
December	15	November

7.3.7 Input Due Dates

System input requirements, specifications, and scheduled close dates are described in Section 2.

7.4 Ordering Procedures

7.4.1 The Order Form

There is now only one order form. TRA Rating Products Order Request, TRA-001, has replaced the following forms:

- Order Request For Rating Products For Bellcore Client Companies (BCC), TF-068
- Order Request for Rating Products For Local Exchange Companies (LEC), EO-705
- Order Request for Rating Products For General Industry Companies, EO-706.

Figure 7-1 shows the front of the form. Figure 7-2 shows the back.

7.4.2 Placing Orders

To request an order form, contact:

Bellcore
Traffic Routing Administration
Room 1G-268
8 Corporate Place
Piscataway, NJ 08854-4156
(908) 699-6700

7.4.3 Processing Order Forms

Order forms, if completely filled out and signed, are entered for product distribution on receipt. If not, the order form is returned to the preparer for correction. The last date for orders to be included for the current distribution cycle is approximately the second Friday of each month. For example, an order entered into distribution before November 15 will be shipped during the third week of November. The product will be dated December 15 unless otherwise requested by the order form.

BR 010-200-005
 Issue 5, December 1995
 Revision 1, November 1996

7.5 Product Descriptions

7.5.1 Terminating Point Master (TPM)

The TPM contains all the active NPA and telephone exchange (NXX) code combinations in the North American dialing plan. For each of these points, the following data is provided:

- Major Vertical and Horizontal coordinates
- LATA/LATA-like code
- LATA subzone code
- RAO code
- Place and state, province, or country name abbreviation as assigned by the local exchange carrier and printed on the telephone bill. BRADS will abbreviate to ten positions for printing on the bill.
- Time zone indicator.

Other telecommunications industry-type data applicable to the NPA/NXX point is included. See Section 8 for complete file and record descriptions, including depiction of microfiche:

- **TPM Complete Tape - TT01**

A master tape that includes all NPA/NXX code combinations and highlights codes that are new or changed since the last month's issue.

- **TPM Complete Diskette - DT05**

Contents are the same as the TPM Complete Tape except that the information is presented on a 3-1/2 inch diskette.

- **TPM Microfiche - FT04**

Contains the same information as the TPM Complete Tape, only this is output to microfiche.

7.5.2 Operating Telephone Company Numbering Plan Guide (OTCNPG)

- **OTCNPG Data Tape - TN08**

The Operating Telephone Company Numbering Plan Guide (OTC NPG) contains all the same NPA/NXX codes and applicable data as the TPM. It also contains minor V&H Coordinates and local exchange company contact information used by exchange telephone companies to support day-to-day operations. Contact information is included for BOs, MICs, Customer Name and Address Bureaus, RAO, and Special Billing Calling Cards. See Section 8 for complete file and record descriptions, including depiction of microfiche.

- **OTCNPG Data Diskette - DT13**

Contents are the same as the OTCNPG Data Tape except that the information is presented on a 3-1/2 inch diskette.

- **OTCNPG Print Tape - TN09**

Contains same information as the OTCNPG data tape and includes carriage controls for output to paper.

- **OTC NPG Microfiche - FN10**

Contains same information as the OTC NPG data tape and is output to fiche.

7.5.3 Telephone Area Code Directory

- **TACD Data Tape - TA21**

The TACD contains all customer available points in the North American dialing plan and their numbering plan area code. See Section 8 for complete file and record descriptions.

- **TACD Diskette - DT29**

Contents are the same as the TACD Data Tape except that the information is presented on a 3-1/2 inch diskette.

- **TACD Microfiche - FA20**

Contains the same information as the TACD data tape and is output to fiche.

- **TACD Print Tape - TA19**

Contains the same information as the TACD data tape and includes carriage controls for output to paper.

7.5.4 NPA/NXX V&H Information

- **NPA/NXX V&H Coordinates Data Tape - TT03**

The NPA/NXX Vertical and Horizontal Coordinates contain the following information for each active NPA/NXX in the North American Number Plan:

- Place and state, province, or country name as assigned by the local exchange company and printed on the telephone bill
- Major vertical and horizontal coordinate
- LATA/LATA-like code and subzone
- Time indicator

Other telecommunications industry-type data applicable to the NPA/NXX point is included. See Section 8 for complete file and record descriptions.

- **NPA/NXX V&H Coordinates Diskette - DT12**

Contents are the same as the NPA/NXX V&H Coordinates Data Tape except that the information is presented on a 3-1/2 inch diskette.

- **V&H Calculation (VHCALC) Disk - SR-OPT-000279**

This is a 3-1/2 inch, 1.44-Mb diskette. It is issued monthly. It includes an updated NPA/NXX master file as well as a data set containing all updates which are reflected in the master file. It also includes data sets with special calling card codes, operating company numbers, Card Issue Identifiers (CIIDs), and NPA/NXXs with minor vertical and horizontal coordinates.

- **NPA/NXX Guide Update List - LN16**

A weekly report listing all the changes, additions, and deletions to the OTC NPG database from Saturday through Friday. Output is to paper.

7.5.5 Industry Numbering Plan Guide

- **INPG Microfiche - FG11**

Contains the same information as OTCNPG Microfiche, except Business Office Information and RAO information.

7.5.6 Emergency Notification Service

- **Emergency Notification Service - EN**

The Emergency Notification Service provides a means for reporting last-minute changes that did not get reported in the current month's products. Additionally, the EN provides information of general interest to the industry, including the identification of codes in the network that were reported as working but for some reason were blocked, and action needs to be taken to remove the call block situation.

Terms And Conditions

TRA
Rating
Order

1.0 General

- 1.1 All products furnished to Customer are copyrighted by Bell Communications Research, Inc. (Bellcore) which retains title to the intellectual property contained in such products.
- 1.2 (a) Each product furnished hereunder is licensed for use solely in Customer's own internal business operations and is not to be copied, in whole or part, or used or made available for use by third persons, including clients, subsidiaries or affiliates of Customer, if the product is a tape, then Sections 1.2(b), (c) and (d) shall apply.
 (b) Each tape furnished hereunder is licensed for use solely as a single central processing unit (CPU) of Customer's own internal business operations and is not to be copied, in whole or part, or used or made available for use by third persons, including clients, subsidiaries or affiliates of Customer, unless the Product Price, accurately reflecting the "No. of Clients Served or Copies Made", together with applicable tax (see Section 2.3), is paid according to the formula set forth on the reverse side hereof, and such third persons agree in writing to provisions consistent with the foregoing restrictions.
 (c) Customer shall keep full, clear and accurate records of the number of copies made (in whole or part), used or made available for use by such third persons, and of the identities and locations of such third persons.
 (d) Bellcore shall have the right through its accredited auditing representatives to audit Customer's records required to be kept pursuant to Section 1.2 (c) and such other records as may under recognized accounting principles contain information bearing upon the amounts which should be payable hereunder.
- 1.3 Bellcore reserves the right, in whatever manner it chooses, to modify, revise or update products (including prices therefore) from time to time and assumes no responsibility for protecting products furnished hereunder against obsolescence. Customer shall destroy any product no longer being used.
- 1.4 The construction and performance of this Order shall be governed by the laws of the State of New Jersey without regard to choice of law principles. The terms hereof set forth the entire understanding between Customer and Bellcore and all prior discussions are merged herein. No provision appearing on any form originated by Customer shall be applicable unless such provision is expressly accepted in writing by Bellcore.

2.0 Payment

- 2.1 Orders for one-time delivery of products must be accompanied by payment in full. Orders for monthly delivery of products totaling less than \$100 per month must be accompanied by payment in full. Make all checks payable to: Bellcore.
- 2.2 Orders which do not require prepayment may be prepaid at the option of the Customer. If prepayment does not accompany the order, Customer will be billed monthly. Payment is due and shall be made within thirty (30) days from the date of such bill. Thereafter, Customer shall be subject to late payment charge which is compounded daily and calculated at an annual rate of one percent (1%) over the lowest prime rate in effect in the New York City edition of The Wall Street Journal on the first Monday for the next legal business day if such Monday is a holiday following payment due date. If the amount of such charge exceeds the maximum permitted by law for such charge, it shall be reduced to such maximum amount.
- 2.3 Prices are net of all state and local taxes. *Customer shall add all such prices and include them in its payments to Bellcore.
- 2.4 Cancellation - If payment is not received within 45 days of the bill's date (during which time another monthly product and bill will have been sent), the order is canceled without notice and subsequent monthly products will not be sent. If the Customer wishes to renew distribution, payment of amounts owed for all past products and late payment charges must be made and a new order must be submitted with prepayment for one year. After the year covered by the prepayment, the Customer may elect to be billed monthly as long as payment is received in a timely manner.

3.0 Limited Warranty

- 3.1 Bellcore warrants that the products furnished hereunder shall be free from defects in materials and workmanship under normal use for a period of ninety (90) days from the date of delivery. Bellcore's entire liability and Customer's exclusive remedy shall be the replacement of any defective product which is returned to Bellcore.

 The foregoing Warranty is in Lieu Of All Other Warranties Of Any Kind, Either Expressed Or Implied, Including, But Not Limited To, The Implied Warranties Of Merchantability And Fitness For a Particular Purpose. In No Event Will Bellcore Be Liable For Any Damages, Including Any Lost Profits, Lost Savings Or Other Incidental Or Consequential Damages Arising Out Of The Use Or Inability To Use Such Products.

4.0 Technical Contact

- 4.1 All communications relating to subject matter hereof shall be addressed to: Bellcore Traffic Routing Administration
 230 West Mt. Pleasant Avenue, LCC-1E235
 Livingston, NJ 07033-2798

 Tel. No. (201) 740-7500
 Fax No. (201) 740-8398

* Customers located in the following states shall include applicable state and local taxes: Arizona, California, Colorado, Connecticut, D.C., Florida, Georgia, Illinois, Indiana, Maryland, Massachusetts, Nebraska, New Jersey, North Carolina, Ohio, Oklahoma, Pennsylvania, Texas, Washington and Wisconsin.

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8. OUTPUT SPECIFICATIONS

8.1 Terminating Point Master

8.1.1 General

The Terminating Point Master (TPM) Data Tape is a multiple data set, single-volume magnetic tape containing seven (7) data sets. It is available only to Bellcore Client Companies (BCCs), Independent Exchange Companies, and authorized service bureaus who provide billing for Local Exchange Carriers. This is also available on 3½", 1.44 MB floppy disk.

Codes for field types are A=alpha, N=numeric, A/N=alphanumeric.

8.1.2 Tape and Diskette Format

Tape Information -

Standard IBM labeled tape
 9 Track, 1600 BPI
 EBCDIC recording
 Volser = TPmmyy (mmyy is the product date)
 External label contains the volser and product date matching the internal HDR and VOL label.

Diskette Information -

DOS formatted
 1.44 MB, 3.5" floppy
 ASCII

Note: Products are shipped (and should be received) approximately 2 weeks before the "product" date.

8.1.3 TPM File Description

Tape Dataset Name	Tape BLKSIZE	LRECL	Diskette Filename	General Description
BCR.COPY.RIGHT	4000	80	COPYRIGHT	Copyright Notice
BCR.TPM.MASTER	4000	80	TPM.DAT	Complete NPA NXX data
or BCR.TPM.ACTVTY	4000	80	(not available)	NPA NXX Activity data
BCR.NUMBER.SCC	3000	30	SCC.DAT	Special Calling Cards
BCR.NUMBER.OCN	1750	35	OCN.DAT	Operating Company Numbers
BCR.NUMBER.CIID	3840	256	CIID.DAT	Card Issuer IDentifier data
BCR.MINOR.VH	4500	90	MINORVH.DAT	Minor V&H data
-	-	-	SEARCH.BAS	Data isolation program
-	-	-	READ.ME	Diskette information

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8.1.4 Data Set BCR.COPY.RIGHT and DOS File COPYRIGHT.DAT

This data set contains a text file that copyrights the data on the tape.

This data set is also used to inform users of the tape of any changes in the format or content of the TPM data tape. Therefore, this data set should always be printed to determine if the tape contains any changes in format or content.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. Copyright and Notice	80	1-80	A/N

8.1.5 Data Set BCR.TPM.MASTER (TT01) and DOS File TPM.DAT

This data set contains either all TPM records (products TT01/DT05) or monthly updates of deletions, changes, and additions of TPM records (product TT02).

The data set is composed of fixed field records of 80 bytes each. On the tape these are blocked at 50 records to a block.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. Vertical (V) Coordinate (Major)	5	1-5	N
2. Horizontal (H) Coordinate (Major)	5	6-10	A/N
3. Reserved for Future Use	7	11-17	A/N
4. LATA Subzone	2	18-19	N
5. LATA Code	3	20-22	N
6. Reserved for Future Use	1	23	A/N
7. IDDD Capability Indicator 0 = No (not capable)* 1 = Yes (capable)	1	24	N
8. Customer Dialable Indicator 0 = No (not dialable by customer)* 1 = Yes (dialable by customer)	1	25	N
9. Company Code	2	26-27	N
10. Actual NPA for Non-Mexican "Other Place"	3	28-30	N
11. Reserved for Future Use	1	31	A/N
12. NPA	3	32-34	N
13. NXX	3	35-37	N
14. NXX Type 00 = Regular 01 = Mobile (IMTS) 02 = Paging 03 = Packet Switching 04 = Cellular 05 = Test	2	38-39	N

* 0 is viewed as N, and 1 is viewed as Y on other than tape or diskette products.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
06 = Maritime			
07 = Air to Ground			
09 = 900 Service			
10 = Called Party Pays			
11 = Information Provider Service			
12 = Reserved			
13 = Directory Assistance			
14 = Special Calling Cards			
15 = Official Exchange Carrier Service			
16 = Originating Only			
17 = Billing Only			
18 = 800 Data Base			
30 = Broadband			
31 = Reserved			
32 = Reserved			
33 = Reserved			
34 = Reserved			
35 = Reserved			
50 = Shared among 3 or more services			
51 = Shared between POTS and Mobile			
52 = Shared between POTS and Paging			
53 = Reserved for Future Use			
54 = Shared between POTS and Cellular			
55 = Special Billing Option - Cellular Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC land-line subscribers are billed to the Service Provider as specified by state tariffs.			
56 = Special Billing Option - Paging Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC land-line subscribers are billed to the Service Provider as specified by state tariffs.			
57 = Special Billing Option - Mobile Dedicated code assigned to Mobile Service Provider for mobile service, and Service provider has requested LEC IntraLATA special billing option on a LATAwide basis, IntraLATA toll calls originating from LEC land-line subscribers are billed to the Service Provider as specified by state tariffs.			

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
<p>58 = Special Billing Option shared among two or more (Cellular, Paging, Mobile). Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile services, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.</p>			
<p>60 = Cellular (NXX Type C). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			
<p>61 = Paging (NXX Type B). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			
<p>62 = Mobile (NXX Type R). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Mobile Service Provider for mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
63 = Combinations of 60, 61, and/or 62. Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.			
64 = Personal Communication Service (PCS)			
65 = MISC SVC (non 500 PCS, etc.)			
66 = Shared - POTS & MISC SVC			
67 = BILLING OPT-MISC PCS - Dedicated code assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service and Service Provider has requested LEC IntraLATA special billing option on a LATA-wide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			
68 = SEL SPCL BILL OPT-MISC PCS - Dedicated code assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers in SELECTED Exchanges are billed to the Service Provider as specified by state tariffs.			
88 = Toll Station - Ring Down			
15. Reserved for Future Use	1	40	A/N
16. Send to RAO	3	41-43	A/N
17. Reserved for Future Use	4	44-47	A/N
18. Other Line Rate Step	2	48-49	A/N
19. A four digit code that refers to the party owning or responsible for a given record. 0000 indicates unknown or not applicable. For NXX data, if Company Type is 2 this is a zero followed by a three digit Carrier Identification Code (CIC) or, a 4 digit CIC.	4	50-53	A/N
20. Bill to RAO Revenue Accounting Office Code If this is an "additional" RAO, the "main" RAO will be in the "Send to RAO" field.	3	54-56	A/N
21. Special Rating Indicator	1	57	N

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
0 = No Special Rating			
1 = Person Day Rate Only			
2 = No Collect Calls			
3 = Collect Calls Person Only			
22. Time Zone	1	58	A/N
0 = Time Zone not applicable			
1 = Samoa			
2 = Hawaii			
3 = Alaska/Yukon			
4 = Pacific			
5 = Mountain			
6 = Central			
7 = Eastern			
8 = Atlantic			
9 = Newfoundland (one and one-half hours <u>ahead</u> of Eastern Time)			
23. Daylight Savings Observed Indicator	1	59	N
0 = Not Observed*			
1 = Observed			
24. Place Name or Service Name	10	60-69	A/N
25. State, Province, or Country Name Abbreviation	2	70-71	A

* 0 is viewed as N, and 1 is viewed as Y on other than tape or diskette products.

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
26.	Effective Date of Change (MMDDYY)	6	72-77	N
27.	Change Code (Blank) = No Change 2 = Dialable Indicator 3 = Place Name 4 = V and/or H Coordinate 5 = Time Zone or Daylight Savings Indicator 6 = RAO Code 7 = Operating Company Number (OCN) 8 = Other Line Rate Step 9 = Multiple Changes A = Awaiting Effective Date B = Change To Awaiting Effective Date (A) Change D = Deletion E = Change in Effective Date J = Company Type K = Company Number L = LATA Code or LATA Subzone N = Addition P = IDDD Capability Indicator R = NXX Type S = Special Rating Indicator U = Cancel Z Code appearing in Previous Product W = Send to RAO Z = True disconnect date in current product window or retained past disconnect for billing purposes	1	78	A/N
28.	Company Type 0 = BCC Exchange Carrier 1 = Independent Exchange Carrier 2 = Interexchange Carrier 3 = Radio Common Carrier 4 = Cincinnati Bell and Southern New England Telephone 5 = Cellular Company 7 = Competitive Local Exchange Company (CLEC) 8 = PCS Service Provider 9 = Service Provider (MISC SVC)	1	79	N
29.	Point Identification 0 = Non-protected 48 States 1 = Protected NXX Code 2 = Canadian Point 3 = Alaskan Point 4 = Caribbean Point 5 = Mexican Point 6 = Hawaiian Point	1	80	A/N

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
7 = International Terminating Point			
9 = 900 Service			
A = 800 Data Base			
B = Personal Communications Service (PCS)			

Terminating Point Master
Record Name

Pos.	Field Description	Char.	No.
1	Vertical Coordinate (Major)	N	5
2			
3			
4			
5			
6	Horizontal Coordinate (Major)	A/N	5
7			
8			
9			
10			
11	Reserved for Future Use	A/N	7
12			
13			
14			
15			
16			
17			
18	LATA Subzone	N	2
19			
20	LATA Code	N	3
21			
22			
23	Reserved for Future Use	A/N	1
24	IDDD Indicator	N	1
25	Dialable Indicator	N	1
26	Company Code	N	2
27			
28	Actual NPA for Non-Mexico Other Place	N	3
29			
30	Reserved for Future Use	A/N	1
32	NPA	N	3
33			
34			
35	NXX	N	3
36			
37			
38	NXX Type	N	2
39			
40	Reserved for Future Use	A/N	1

Pos.	Field Description	Char.	No.
41	Send to RAO	A/N	3
42			
43			
44	Reserved for Future Use	A/N	4
45			
46			
47	Other Line Rate Step	A/N	2
48			
49	Operating Company Number	A/N	4
50			
51			
52			
53	Bill to RAO	A/N	3
54			
55			
56	Special Rating Indicator	N	1
57	Time Zone	A/N	1
58	Daylight Savings Indicator	N	1
59	Place Name or Service Name	A/N	10
60			
61			
62			
63			
64			
65			
66			
67			
68			
69	State, Province, Country Abbreviation	A	2
70			
71	Effective Date Of Change (MMDDYY)	N	6
72			
73			
74			
75			
76			
77	Change Code	A/N	1
78	Company Type	N	1
79	Point Identification	N	1
80			

Figure 8-1. Terminating Point Master Record Layout

8.1.6 Data Set BCR.NUMBER.SCC and DOS File SCC.DAT

This data set contains a listing of Special Calling Card codes. It is a complete file each month with updates indicated by a change code.

The data set is composed of fixed field records of 30 bytes each. On the tape these are blocked at 100 records per block.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. Bill to RAO	3	1-3	A/N
2. 0/1XX (SCC Code)	3	4-6	N
3. Send to RAO	3	7-9	A/N
4. NPA	3	10-12	N
5. Change Code (Blank) = No Change 6 = NPA Code 7 = OCN 9 = Multiple Changes A = Awaiting Effective Date B = Change To Awaiting Effective Date (A) Change D = Deletion E = Change in Effective Date N = New U = Cancel Z Code appearing in Previous Product W = Send to RAO Z = True disconnect date in previous product Window or Retained Past Disconnect for Billing Purposes	1	13	A/N
6. Effective Date of Change (MMDDYY)	6	14-19	N
7. Operating Company Number 0000 = unknown/not applicable 9999 = shared	4	20-23	A/N
8. Reserved for Future Use	7	24-30	A/N

Special Calling Card
Record Name

Pos.	Field Description	Char.	No.
1 2 3	Bill to RAO	A/N	3
4 5 6	SCC Code	N	3
7 8 9	Send to RAO	A/N	3
10 11 12	NPA	N	3
13	Change Code	A/N	1
14 15 16 17 18 19	Effective Date Of Change (MMDDYY)	N	6
20 21 22 23	Operating Company Number	A/N	4
24 25 26 27 28 29 30	Reserved For Future Use	A/N	7

Figure 8-2. Special Calling Card Record Layout

8.1.7 Data Set BCR.NUMBER.OCN and DOS File OCN.DAT

This data set contains a listing of Operating Company numbers with their associated company name. It is a complete file each month with updates indicated by a change code.

The data set is composed of fixed field records of 35 bytes each. On the tape these are blocked at 50 records per block.

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1.	Operating Company Number	4	1-4	A/N
2.	Company Name	30	5-34	A/N
3.	Change Code	1	35	A/N

(Blank) = No Change
C = Change in Company Name
D = Deletion
N = New

Operating Company Number Reference File
Record Name

Pos.	Field Description	Char.	No.
1	Operating Company Number	A/N	4
2			
3			
4			
5	Company Name	A/N	30
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35	Change Code	A/N	1

Figure 8-3. Operating Company Number Reference File Record Layout

8.1.8 Data Set BCR.NUMBER.CIID and DOS File CIID.DAT

This data set contains the identification of and detailed information for the issuers of non-exchange, non-RAO calling cards in the 14-digit format. It is a complete file each month with updates indicated by a change code. Card Issuer Identifiers are administered by Bellcore under SR-BDS-001511, *Administrative Guidelines for Card Issuer Identifiers*.

The data set is composed of fixed field records of 256 bytes each. On the tape these are blocked at 15 records per block.

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1.	Beginning CIID Assigned (Beginning CIID Code assignment)	6	1-6	N
2.	Ending CIID Assigned (Ending CIID Code assignment)	6	7-12	N
3.	Card Issuer's Name	25	13-37	A/N
4.	Card Issuer's Address Line 1 (Up to three address lines may be used)	25	38-62	A/N
5.	Card Issuer's Address Line 2	25	63-87	A/N
6.	Card Issuer's Address Line 3	25	88-112	A/N
7.	Card Issuer's City	25	113-137	A/N
8.	Card Issuer's State	2	138-139	A/N
9.	Card Issuer's Zip Code	10	140-149	A/N
10.	Card Issuer's Billing Code Billing Entity Code (CIC) or Alternate Billing Entity Code (ABEC)	5	150-154	N
11.	ABEC Indicator 0 = Not an ABEC 1 = Indicates Card Issuer's Code is an ABEC	1	155	N
12.	ACNA (Access Customer Name Abbreviation)	3	156-158	A/N
13.	Validation Data Base Operator Operator of the validation data base chosen by the Card Issuer	25	159-183	A/N

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
14.	Billing Agent/Host Name (Name of Billing Agent/Host Company) If there is an entry in positions 212-214 (RAO) this field must be populated with either the CMDS Host Company Name or the Billing Agent's name. If there is no entry in positions 212-214, this field will contain the Billing Agent's name (if applicable).	25	184-208	A/N
15.	Reserved for Future Use	3	209-211	A/N
16.	Billing Agent/Host RAO Code RAO Code of the CMDS collector NOTE: If this field has an entry, the card issuer has a CMDS Host. If this field contains zeroes, there is no CMDS Host.	3	212-214	A/N
17.	Reserved for Future Use	35	215-249	A/N
18.	Effective Date of Change (MMDDYY)	6	250-255	N
19.	Change Code 0 = No Change 1 = Change in Card Issuer's Name/Address 2 = Change in Card Issuer's Code 3 = Change in ABEC Indicator 4 = Change in ACNA 5 = Change in Validation Data Base Operator 6 = Change in Billing Agent/Host Name 7 = Change in Billing Agent/Host RAO Code 9 = Multiple Changes A = Awaiting Effective Date B = Change To Awaiting Effective Date (A) Change D = Deletion of CIID E = Change in Effective Date N = New CIID	1	256	A/N

Card Issuer Identifier
 Record Name

Pos.	Field Description	Char.	No.
1	Beginning CIID Assigned	N	6
2			
3			
4			
5			
6			
7	Ending CIID Assigned	N	6
8			
9			
10			
11			
12			
13	Card Issuer's Name	A/N	25
-			
-			
-			
37			
38	Card Issuer's Address Line 1	A/N	25
-			
-			
-			
62			
63	Card Issuer's Address Line 2	A/N	25
-			
-			
-			
87			
88	Card Issuer's Address Line 3	A/N	25
-			
-			
-			
112			
113	Card Issuer's City	A/N	25
-			
-			
-			
137			

Pos.	Field Description	Char.	No.
138	Card Issuer's State	A/N	2
139			
140	Card Issuer's Zip Code	A/N	10
-			
-			
149			
150	Card Issuer's Billing Code	N	5
151			
152			
153			
154			
155	ABEC Indicator	N	1
156	ACNA	A/N	3
157			
158			
159	Validation Data Base Operator	A/N	25
-			
-			
183			
184	Billing Agent/ Host Name	A/N	25
-			
-			
208			
209	Reserved for Future Use	A/N	3
210			
211			
212	Billing Agent/ Host RAO Code	A/N	3
213			
214			
215	Reserved for Future Use	A/N	35
-			
-			
-			
249			
250	Effective Date Of Change (MMDDYY)	N	6
251			
252			
253			
254			
255			
256	Change Code	A/N	1

Figure 8-4. Card Issuer Identifier Record Layout

BR 010-200-005
Issue 6, May 1997

8.1.9 Data Set BCR.MINOR.VH and DOS File MINORVH.DAT

This data set contains all NPA/NXX combinations from the BRADS data base that have Minor Vertical and Horizontal entries. Activity codes in this data set will be the same as the activity code for the NPA/NXX in the second data set.

The data set is composed of fixed fielded records of 90 bytes each blocked at 50 records to a block.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. Vertical (V) Coordinate (Major)	5	1-5	N
2. Horizontal (H) Coordinate (Major)	5	6-10	A/N
3. Reserved for Future Use	7	11-17	A/N
4. LATA Subzone	2	18-19	N
5. LATA Code	3	20-22	N
6. Reserved for Future Use	1	23	A/N
7. IDDD Capability Indicator 0 = No (Not capable)* 1 = Yes (capable)	1	24	N
8. Customer-Dialable Indicator 0 = No (not dialable by customer)* 1 = Yes (dialable by customer)	1	25	N
9. Company Code	2	26-27	N
10. Actual NPA for Non-Mexican "Other Place"	3	28-30	N
11. Reserved for Future Use	1	31	A/N
12. NPA	3	32-34	N
13. NXX	3	35-37	N
14. NXX Type 00 = Regular 01 = Mobile (IMTS) 02 = Paging 03 = Packet Switching 04 = Cellular 05 = Test	2	38-39	N

* 0 is viewed as N, and 1 is viewed as Y on other than tape or diskette products.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
06 = Maritime			
07 = Air to Ground			
09 = 900 Service			
10 = Called Party Pays			
11 = Information Provider Service			
12 = Reserved			
13 = Directory Assistance			
14 = Special Calling Cards			
15 = Official Exchange Carrier Service			
16 = Originating Only			
17 = Billing Only			
18 = 800 Data Base			
30 = Broadband			
31 = Reserved			
32 = Reserved			
33 = Reserved			
34 = Reserved			
35 = Reserved			
50 = Shared among 3 or more services			
51 = Shared between POTS and Mobile			
52 = Shared between POTS and Paging			
53 = Reserved for Future Use			
54 = Shared between POTS and Cellular			
55 = Special Billing Option – Cellular Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			
56 = Special Billing Option – Paging Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			
57 = Special Billing Option – Mobile Dedicated code assigned to Mobile Service Provider for mobile service, and Service provider has requested LEC IntraLATA special billing option on a LATAwide basis, IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
<p>58 = Special Billing Option shared among two or more (Cellular, Paging, Mobile). Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile services, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.</p>			
<p>60 = Cellular (NXX Type C). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			
<p>61 = Paging (NXX Type B). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			
<p>62 = Mobile (NXX Type R). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Mobile Service Provider for mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
63 = Combinations of 60, 61, and/or 62. Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.			
64 = Personal Communication Service (PCS)			
65 = Misc SVC (Non 500 PCS, etc.)			
66 = Shared - POTS & Misc SVC			
67 = BILLING OPT-MISC PCS - Dedicated code assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service and Service Provider has requested LEC IntraLATA special billing option on a LATA-wide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			
68 = SEL SPCL BILL OPT-MISC PCS - Dedicated code assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers in SELECTED Exchanges are billed to the Service Provider as specified by state tariffs.			
88 = Toll Station - Ring Down			
15. Reserved for Future Use	1	40	A/N
16. Send to RAO	3	41-43	A/N
17. Reserved for Future Use	4	44-47	A/N
18. Other Line Rate Step	2	48-49	A/N
19. A four digit code that refers to the party owning or responsible for a given record. 0000 indicates unknown or not applicable. For NXX data, if Company Type is 2 this is a zero followed by a three digit Carrier Identification Code (CIC) or, a 4 digit CIC.	4	50-53	A/N
20. Bill to RAO	3	54-56	A/N

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
If this is an "additional" RAO, the "main" RAO will be in "Send to RAO" field.			
21. Special Rating Indicator 0 = No Special Rating 1 = Person Day Rate Only 2 = No Collect Calls 3 = Collect Calls Person Only	1	57	N
22. Time Zone 0 = Time Zone not applicable 1 = Samoa 2 = Hawaii 3 = Alaska / Yukon 4 = Pacific 5 = Mountain 6 = Central 7 = Eastern 8 = Atlantic 9 = Newfoundland (one and one-half hours <u>ahead</u> of Eastern Time zone)	1	58	A/N
23. Daylight Savings Observed Indicator 0 = Not Observed* 1 = Observed	1	59	N
24. Place Name or Service Name	10	60-69	A/N
25. State, Province, or Country Name Abbreviation	2	70-71	A
26. Effective Date of Change (MMDDYY)	6	72-77	N

* 0 is viewed as N, and 1 is viewed as Y on other than tape or diskette products.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
27. Change Code (Blank) = No Change 2 = Dialable Indicator 3 = Place Name 4 = V and/or H Coordinate 5 = Time Zone or Daylight Savings Indicator 6 = RAO Code 7 = Operating Company Number 8 = Other Line Rate Step 9 = Multiple Changes A = Awaiting Effective Date B = Change To Awaiting Effective Date (A) Change D = Deletion E = Change in Effective Date J = Company Type K = Company Number L = LATA Code or LATA Subzone N = Addition P = IDDD Capability Indicator R = NXX Type S = Special Rating Indicator U = Cancel Z Code appearing in previous product W = Send to RAO Z = True disconnect date in current product window or retained past disconnect for billing purposes	1	78	A/N
28. Company Type 0 = Bell Exchange Carrier 1 = Independent Exchange Carrier 2 = Interexchange Carrier 3 = Radio Common Carrier 4 = Cincinnati Bell and Southern New England Telephone 5 = Cellular Company 7 = Competitive Local Exchange Company (CLEC) 8 = PCS Service Provider 9 = Service Provider (MISC SVC)	1	79	N
29. Point Identification 0 = Non-protected 48 States 1 = Protected NXX Code 2 = Canadian Point 3 = Alaskan Point 4 = Caribbean Point 5 = Mexican Point 6 = Hawaiian Point 7 = International Terminating Point	1	80	A/N

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
	9 = 900 Service			
	A = 800 Data Base			
	B = Personal Communication Service (PCS)			
30.	Vertical (V) Coordinate (Minor)	5	81-85	N
31.	Horizontal (H) Coordinate (Minor)	5	86-90	N

Minor Vertical & Horizontal NXXs
Record Name

The Minor V & H Coordinate Data Set is exactly like the one shown for the TPM Data Set except it includes positions 81-85 Minor Vertical Coordinate and positions 86-90 Minor Horizontal Coordinate (see below).

Pos.	Field Description	Char.	No.
81 82 83 84 85	Vertical Coordinate (Minor)	N	5
86 87 88 89 90	Horizontal Coordinate (Minor)	N	5

Figure 8-5. Minor Vertical & Horizontal NXXs Record Layout

8.2 Operating Telephone Company Numbering Plan Guide (OTCNPG)

8.2.1 General

The OTCNPG data tape is a multiple data set, single-volume magnetic tape. The OTCNPG data diskette is a 3½", 1.44 MB DOS-formatted floppy disk.

Each of the data base segments that comprise the OTCNPG are written to tape as separate data sets, with their own respective record characteristics determining tape record lengths and blocking factors. This tape and diskette is issued as a "complete" file only. An activity file will not be issued.

It should be noted that while change codes and effective dates are provided, they are provided only for the NXX records and they only represent changes since the previous issue.

Codes for field types are A=alpha, N=numeric, A/N=alphanumeric.

8.2.2 Tape and Diskette Format

Tape Information

Standard IBM Label
 9 Track, 1600bpi
 EBCDIC recording
 Volser = DDmmyy (mmyy is the product date)
 External label contains the volser and product date
 matching the internal HDR and VOL label.

Diskette Information -

DOS formatted
 1.44 MB, 3.5" floppy
 ASCII

Note: Products are shipped (and should be received) approximately 5 weeks before the "product" date.

8.2.3 OTCNPG File Description

Tape Data Set Name	Tape BLKSIZE	LRECL	Diskette Filename	General Description
BCR.COPY.RIGHT	4000	80	COPYRGHT.DAT	Copyright Notice
BCR.NUMBER.NPA	3040	152	NUMBRNPA.DAT	NPA information
BCR.NUMBER.NXX	4900	245	NUMBRNXX.DAT	NPA NXX data
BCR.NUMBER.CNA	4310	431	NUMBRCNA.DAT	CNA contacts
BCR.NUMBER.BUSOFC	5090	1018	NUMBRBOF.DAT	Business Office data
BCR.NUMBER.RAO	4820	482	NUMBRRAO.DAT	Rao Directory
BCR.NUMBER.TLIB	4500	450	NUMBRTL.B.DAT	Toll Library Directory
BCR.NUMBER.SCC	3000	30	NUMBRSCC.DAT	Special Calling Cards
BCR.NUMBER.OCN	3400	34	NUMBROCN.DAT	NECA Company Numbers
BCR.NUMBER.CIID	3840	256	NUMBRCID.DAT	Card Issuer Identifier data
-	-	-	SEARCH.BAS	Data isolation program
-	-	-	READ.ME	Diskette information

Datasets above are listed in the order in which they are provided on the tape.

8.2.4 Data Set BCR.COPY.RIGHT and DOS File COPYRIGHT.DAT - Copyright and Notice

This data set contains a text file that copyrights the data on the tape. The data set is also used to inform users of the tape of any changes in the format or content of the OTCNPG data tape.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. Copyright and Notice	80	1-80	A/N

8.2.5 Data Set BCR.NUMBER.NPA

This data set contains information on the various Numbering Plan Areas (NPA) in the OTCNPG.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. NPA	3	1-3	N
2. State or Special Purpose NPA name	50	4-53	A/N
3. Time Zone 0 = No Time Zone 1 = Samoa 2 = Hawaii 3 = Alaska/Yukon 4 = Pacific 5 = Mountain 6 = Central 7 = Eastern 8 = Atlantic 9 = Newfoundland (one and one-half hours <u>ahead</u> of Eastern Time zone)	1	54	A/N
4. Note	60	55-114	A/N
5. State Code	2	115-116	A
6. Company Code	2	117-118	N
7. Operating Company Number	4	119-122	A/N
8. Operating Company Name	30	123-152	A/N

NPA Unit
 Record Name

Pos.	Field Description	Char.	No.
1	NPA	N	3
2			
3			
4	State or Special Purpose NPA Name	A/N	50
-			
-			
-			
-			
-			
-			
-			
-			
-			
53			
54	Time Zone	N	1
55	Note	A/N	60
-			
-			
-			
-			
-			
-			
-			
-			
-			
114			

Pos.	Field Description	Char.	No.
115	State Code	A	2
116			
117	Company Code	N	2
118			
119	Operating Company Number	A/N	4
120			
121			
122			
123			
-			
-			
-			
-			
-			
-			
-			
-			
-			
123	Operating Company Name	A/N	30
-			
-			
-			
-			
-			
-			
-			
-			
-			
152			

Figure 8-6. NPA Unit Record Layout

8.2.6 Data Set BCR.NUMBER.NXX and DOS File NUMBRNXX.DAT – NXX Record

This information in the data set applies to the actual listing within Numbering Plan Areas (NPA) in the OTCNPG.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. NPA	3	1-3	N
2. NXX	3	4-6	N
3. NXX Type	2	7-8	N
0 = Regular			
1 = Mobile			
2 = Paging			
3 = Packet Switching			
4 = Cellular			
5 = Plant Test			
6 = Maritime			
7 = Air to Ground			
9 = 900 Service			
10 = Called Party Pays			
11 = Information Provider Service			
12 = Reserved			
13 = Directory Assistance			
14 = Special Calling Card			
15 = Official Exchange			
16 = Originating Only			
17 = Billing Only			
18 = 800 Data Base			
30 = Broadband			
31 = Reserved			
32 = Reserved			
33 = Reserved			
34 = Reserved			
35 = Reserved			
50 = Shared among 3 or more services			
51 = Shared between POTS and Mobile			
52 = Shared between POTS and Paging			
53 = Reserved for Future Use			
54 = Shared between POTS and Cellular			

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
<p>55 = Special Billing Option - Cellular Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.</p>			
<p>56 = Special Billing Option - Paging Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.</p>			
<p>57 = Special Billing Option - Mobile Dedicated code assigned to Mobile Service Provider for mobile service, and Service provider has requested LEC IntraLATA special billing option on a LATAwide basis, IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.</p>			
<p>58 = Special Billing Option shared among two or more (Cellular, Paging, Mobile). Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile services, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.</p>			

* 0 is viewed as N, and 1 is viewed as y on other than tape or diskette products.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
<p>60 = Cellular (NXX Type C). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			
<p>61 = Paging (NXX Type B). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			
<p>62 = Mobile (NXX Type R). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Mobile Service Provider for mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			
<p>63 = Combinations of 60, 61, and/or 62. Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
64 = Personal Communication Service (PCS)			
65 = Misc SVC (Non-500 PCS, etc.)			
66 = Shared - POTS & Misc SVC			
67 = BILLING OPT-MISC PCS - Dedicated code assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service <i>and</i> Ser- vice Provider has requested LEC IntraLATA special billing option on a LATA-wide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			
68 = SEL SPCL BILL OPT-MISC PCS - Dedicated code assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service <i>and</i> Ser- vice Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers in SELECTED Exchanges are billed to the Service Provider as specified by state tariffs.			
88 = Toll Station - Ring Down			
4. Actual NPA for non-Mexican "Other Place"	3	9-11	N
5. Reserved for Future Use	8	12-19	A/N
6. Dialable Indicator 0 = No (not dialable by customer)* 1 = Yes (dialable by customer)	1	20	N
7. IDDD Indicator 0 = No (not capable)* 1 = Yes (capable)	1	21	N
8. Company Type 0 = BCC Exchange Carrier 1 = Independent Exchange Carrier 2 = Interexchange Carrier 3 = Radio Common Carrier 4 = Cincinnati Bell and Southern New England Telephone 5 = Cellular Carrier 6 = 800 Portable Assignment 7 = Competitive Local Exchange Carrier (CLEC) 8 = PCS Service Provider 9 = Service Provider (MISC SVC)	1	22	N
9. Time Zone Savings	1	23	A/N
10. Daylight Savings Observed Indicator 0 = Not Observed*	1	24	N

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1 = Observed			
11. Place Name or Service Name	50	25-74	A/N
12. Place Name State Abbreviation	2	75-76	A
13. Locality Name	50	77-126	A/N
14. Locality State Abbreviation	2	127-128	A
15. Rate Center Name	50	129-178	A/N
16. Rate Center State Abbreviation	2	179-180	A
17. Business Office Code	3	181-183	A/N
18. Reserved for Future Use	11	184-194	A/N
19. Vertical Coordinate (Major)	5	195-199	N
20. Reserved for Future Use	1	200	A/N
21. Horizontal Coordinate (Major)	5	201-205	A/N
22. Reserved for Future Use	1	206	A/N
23. Vertical Coordinate (Minor)	5	207-211	N
24. Reserved for Future Use	1	212	A/N
25. Horizontal Coordinate (Minor)	5	213-217	N
26. Bill to RAO	3	218-220	A/N
27. Operating Company Number (OCN) Carrier Identification Code (CIC)	4	221-224	A/N
28. Other Line Charge Indicator 0 = No Other Line Charge 1 = Other Line Rates Apply	1	225	N
29. Other Line Rate Step	2	226-227	N
30. Special Rating Indicator 0 = No Special Rating 1 = Person Day Rate Only 2 = No Collect Calls 3 = Collect Calls Person Only	1	228	N
31. Company Code	2	229-230	N
32. Reserved for Future Use	2	231-232	A/N
33. LATA Code	3	233-235	N
34. LATA Subzone	2	236-237	N

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
35. Reserved for Future Use	1	238	A/N
36. Change Code	1	239	A/N
(Blank) = No Change 2 = Dialable Indicator 3 = Place Name, Locality, RC Name or State Code 4 = V and/or H Coordinate 5 = Time Zone or Daylight Savings Indicator 6 = RAO Code 7 = Operating Company Number (OCN) 8 = Time Other Line Charge 9 = Multiple Changes A = Awaiting Effective Date B = Change To Awaiting Effective Date (A) Change D = Deletion E = Change in Effective Date F = Rate Step J = Company Type K = Company Code (two-digit code) L = LATA code or LATA Subzone M = BO Code N = Addition P = IDDD Capability Indicator R = NXX Type S = Special Rating Indicator U = Cancel Z Code appearing in previous product Z = True disconnect date is current product window or retained past disconnect for billing purposes			
37. Effective Date (MMDDYY)	6	240-245	N

NXX
 Record Name

Pos.	Field Description	Char.	No.
1	NPA	N	3
2			
3			
4	NXX	N	3
5			
6			
7	NXX Type	N	2
8			
9	Actual NPA for non-Mexico Other Place	N	3
10			
11			
12	Reserved for Future Use	A/N	8
-			
-			
19			
20	Dialable Indicator	N	1
21	IDDD Indicator	N	1
22	Company Type	N	1
23	Time Zone Savings	N	1
24	Daylight Savings Indicator	N	1
25	Place Name or Service Name	A/N	50
-			
-			
74			
75	Place Name State Abbreviation	A/N	2
76			
77	Locality Name	A/N	50
-			
-			
126			
127	Locality State Abbreviation	A/N	2
128			
129	Rate Center Name	A/N	50
-			
-			
-			
178			
179	Rate Center State Abbreviation	A/N	2
180			
181	Business Office Code	A/N	3
182			
183			

Pos.	Field Description	Char.	No.
184	Reserved for Future Use	A/N	11
-			
194			
195	Vertical Coordinate (Major)	N	5
-			
199			
200	Reserved for Future Use	A/N	1
201	Horizontal Coordinate (Major)	N	5
-			
205			
206			
207	Vertical Coordinate (Minor)	N	5
-			
211			
212	Reserved for Future Use	A/N	1
213	Horizontal Coordinate (Minor)	N	5
-			
217			
218			
219	RAO Code	A/N	3
220			
221			
222	OCN/CIC	N	4
-			
224			
225	Other Line Charge Indicator	N	1
226	Other Line Rate Step	A/N	2
227			
228	Special Rating Indicator	N	1
229	Company Code	N	2
230			
231	Reserved for Future Use	A/N	2
232			
233	LATA Code	N	3
234			
235			
236	LATA Subzone	N	2
237			
238	Reserved for Future Use	A/N	1
239	Change Code	A/N	1
240	Effective Date (MMDDYY)	N	6
-			
245			

Figure 8-7. NXX Record Layout

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8.2.7 Data Set BCR.NUMBER.CNA and DOS File NUMBRCNA.DAT – Business Office Unit

The information in this data set applies to the CNA Listing in the Business Office section in the OTCNPG. It pertains to accessing the Customer Name and Address Information availability.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. NPA	3	1-3	N
2. State or Special Purpose NPA Name	50	4-53	A/N
3. Operating Company Number	4	54-57	A/N
4. Telephone Company Name	30	58-87	A/N
5. CNA Information Available Indicator	1	88	A/N
0 = No (none)*			
1 = Yes (information follows)			
6. CNA Information			
a. Telephone Number	12	89-100	N
b. Name	40	101-140	A/N
c. Address Line 1	40	141-180	A/N
d. Address Line 2	40	181-220	A/N
e. Address Line 3	40	221-260	A/N
f. City	40	261-300	A/N
g. State Code	2	301-302	A/N
h. Zip Code	9	303-311	A/N
i. Notes	120	312-431	A/N

* 0 is viewed as N, and 1 is viewed as y on other than tape or diskette products.

Customer Name and Address
Record Name

Pos.	Field Description	Char.	No.
1	NPA	N	3
2			
3			
4	State or Special Purpose	A/N	50
-			
-			
-			
53			
54	Operating Company Number	A/N	4
-			
57			
58	Telephone Company Name	A/N	30
-			
-			
-			
87			
88	CNA Information	A/N	1
89	Telephone Number	A/N	12
-			
-			
-			
100			
101	Name	A/N	40
-			
-			
140			
141	Address Line 1	A/N	40
-			
-			
180			

Pos.	Field Description	Char.	No.
181	Address Line 2	A/N	40
-			
220			
221	Address Line 3	A/N	40
-			
-			
260			
261	City	A/N	40
-			
-			
300			
301	State Code	A/N	2
302			
303	Zip Code	A/N	9
-			
-			
311			
312	Notes	A/N	120
-			
-			
-			
-			
-			
-			
-			
-			
-			
431			

Figure 8-8. Customer Name and Address Record Layout

8.2.8 Data Set BCR.NUMBER.BUSOFC and DOS NUMBRBOF.DAT – Business Office Record

The information in this data set applies to the actual Business Office listings in the OTCNPG.

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1.	NPA	3	1-3	N
2.	Business Office Code	3	4-6	A/N
3.	Operating Company Number	4	7-10	A/N
4.	Company Name	30	11-40	A/N
5.	Account 1	163	41-203	
	a. Account Name	20	41-60	A/N
	b. Telephone Number	12	61-72	N
	c. Address Line 1	40	73-112	A/N
	d. Address Line 2	40	113-152	A/N
	f. City	40	153-192	A/N
	g. State Code	2	193-194	A
	h. Zip Code	9	195-203	A/N
6.	Account 2 (same details as 5.)	163	204-366	A/N
7.	Account 3 (same details as 5.)	163	367-529	A/N
8.	Account 4 (same details as 5.)	163	530-692	A/N
9.	Account 5 (same details as 5.)	163	693-855	A/N
10.	Account 6 (same details as 5.)	163	856-1018	A/N

Business Office Record
Record Name

Pos.	Field Description	Char.	No.
1	NPA	N	3
2			
3			
4	Business Office Code	A/N	3
5			
6			
7	Operating Company Number	A/N	4
8			
9			
10			
11	Company Name	A/N	30
-			
-			
-			
-			
-			
-			
-			
-			
40			
41	Account Name	A/N	20
-			
-			
-			
-			
60			
61	Telephone Number	N	12
-			
-			
-			
-			
72			
73	Address Line 1	A/N	40
-			
-			
112			
113	Address Line 2	A/N	40
-			
-			
-			
152			

Pos.	Field Description	Char.	No.
153	City	A/N	40
-			
192			
193	State Code	A	2
194			
195	Zip Code	A/N	9
-			
-			
-			
-			
-			
-			
-			
203			
204	Account 2 (same detail as 41-203)	A/N	163
-			
366			
367	Account 3 (same detail as 41-203)	A/N	163
-			
529			
530	Account 4 (same detail as 41-203)	A/N	163
-			
692	Account 5 (same detail as 41-203)	A/N	163
693			
-			
855			
856	Account 6 (same detail as 41-203)	A/N	163
-			
-			
-			
1018			

Figure 8-9. Business Office Record Layout

8.2.9 Data Set BCR.NUMBER.RAO and DOS Files NUMBRRAO.DAT – RAO Directory

This data set consists of a master list of all main and additional RAOs and associated information.

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1.	RAO Code	3	1-3	A/N
2.	Reserved for future use	1	4	A/N
3.	Send to RAO	3	5-7	A/N
4.	RAO User Operating Company Number	4	8-11	N
5.	Company Name	30	12-41	A/N
6.	Contact Name – Field 1	25	42-66	A/N
	Contact Name – Field 2	25	67-91	A/N
7.	Number, Street, Room	25	92-116	A/N
8.	P. O. Box	9	117-125	A/N
9.	City	25	126-150	A/N
10.	State Abbreviation	2	151-152	A
11.	Zip Code	9	153-161	A/N
12.	Change of Address Indicator*	1	162	N
	0 – No Change of Address			
	1 – Change of Address			
13.	Actg. Toll Information Phone Number	10	163-172	A/N
14.	MIC Bureau Phone Number	10	173-182	A/N
15.	Calling Card Information Phone Number	10	183-192	A/N
16.	Collect Ticket Information Phone Number	10	193-202	A/N
17.	MIC Fraud Phone Number	10	203-212	A/N
18.	Miscellaneous Services Heading 1	25	213-237	A/N
19.	Miscellaneous Services Phone Number	10	238-247	A/N
20.	Miscellaneous Services Heading 2	25	248-272	A/N

* 0 is viewed as N, and 1 is viewed as Y on other than tape or diskette products.

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
21.	Miscellaneous Services Phone Number	10	273-282	A/N
22.	Notes	200	283-482	A/N

RAO Directory
 Record Name

Pos.	Field Description	Char.	No.
1	RAO Code	A/N	3
2			
3			
4	Invalid For SCC	A/N	1
5	Send to RAO	A/N	3
6			
7			
8	RAO User Operating Company Number	N	4
9			
10			
11	Company Number	A/N	30
12			
-			
41	Contact Name Field 1	A/N	25
42			
-			
66	Contact Name Field 2	A/N	25
67			
-			
91	Number, Street,Room	A/N	25
92			
-			
116	P.O. Box	A/N	9
117			
-			
125	City	A/N	25
126			
-			
150	State Abbreviation	A	2
151			
152			
153	Zip Code	A/N	9
-			
161			
162	Change Of Address Indicator	N	1

Pos.	Field Description	Char.	No.
163	Actg. Toll Information Phone Number	A/N	10
-			
172			
173	MIC Bureau Phone Number	A/N	10
-			
182			
183	Calling Card Information Phone Number	A/N	10
-			
192			
193	Collect Ticket Information Phone Number	A/N	10
-			
202			
203	MIC Fraud Phone Number	A/N	10
-			
212			
213	Misc. Services Heading 1	A/N	25
-			
237			
238	Misc. Services Phone Number	A/N	10
-			
247			
248	Misc. Services Heading 2	A/N	25
-			
272			
273	Misc. Services Phone Number	A/N	10
-			
282			
283	Notes	A/N	200
-			
482			

Figure 8-10. RAO Directory Record Layout

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8.2.10 Data Set BCR.NUMBER.TLIB and DOS File NUMBRTL.B.DAT – Toll Library Directory

This data set contains the information that is needed to contact a Toll Library.

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1.	Library Code	2	1-2	A/N
2.	Telephone Number	10	3-12	A/N
3.	Business Start Time	4	13-16	A/N
4.	Business End Time	4	17-20	A/N
5.	Daylight Savings Observed Indicator 0 = No (not observed)* 1 = Yes (observed)	1	21	N
6.	Time Zone	1	22	N
7.	Reserved for future use	2	23-24	A/N
8.	Address Line 1	40	25-64	A/N
9.	Address Line 2	40	65-104	A/N
10.	Address Line 3	40	105-144	A/N
11.	Address Line 4	40	145-184	A/N
12.	Address Line 5	40	185-224	A/N
13.	RAOs Served	100	225-324	A/N
14.	Notes	125	325-449	A/N
15.	Message Detail Indicator 0 = No Message Detail Available* 1 = Message Detail Available	1	450	N

* 0 is viewed as N, and 1 is viewed as Y on other than tape or diskette products.

8.2.11 Data Set BCR.NUMBER.SCC and DOS File NUMBRSCC.DAT – Special Calling Card

This data set contains 0/1XX numbers for Special Calling Card numbers.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. Bill to RAO	3	1-3	A/N
2. 0/1XX (SCC Code)	3	4-6	N
3. Send to RAO	3	7-9	A/N
4. NPA	3	10-12	N
5. Change Code (blank) = no change 6 = NPA code 7 = OCN 9 = Multiple changes A = Awaiting Effective Date B = Change To Awaiting Effective Date (A) Change D = Deletion E = Change in Effective Date N = New U = Cancel Z Code appearing in previous product W = Send to RAO Z = True disconnect date in current product window or retained past disconnect for billing purposes	1	13	A/N
6. Effective Date of Change (MMDDYY)	6	14-19	N
7. Operating Company Number 0000 = unknown/not applicable 9999 = shared	4	20-23	A/N
8. Reserved for Future Use	7	24-30	A/N

Special Calling Card
Record Name

Pos.	Field Description	Char.	No.
1 2 3	Bill to RAO	A/N	3
4 5 6	SCC Code	N	3
7 8 9	Send to RAO	A/N	3
10 11 12	NPA	N	3
13	Change Code	A/N	1
14 15 16 17 18 19	Effective Date Of Change (MMDDYY)	N	6
20 21 22 23	Operating Company Number	A/N	4
24 25 26 27 28 29 30	Reserved For Future Use	A/N	7

Figure 8-12. Special Calling Card Record Layout

8.2.12 Data Set BCR.NUMBER.OCN and DOS File NUMBROCN.DAT – Operating Company Reference File

This data set contains the Operating Company Number and Names.

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1.	Operating Company Number	4	1-4	A/N
2.	Company Name	30	5-34	A/N

Operating Company Reference File
Record Name

Pos.	Field Description	Char.	No.
1	Operating Company Number	A/N	4
2			
3			
4			
5	Company Name	A/N	30
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			

Figure 8-13. Operating Company Reference File Record Layout

8.2.13 Data Set BCR.NUMBER.CIID and DOS File NUMBRCID.DATA – Card Issuer Identifier

This data set contains the identification of and detailed information for the issuers of non-exchange, non-RAO calling cards in the 14-digit format. It is a complete file each month with updates indicated by a change code. Card Issuer Identifiers are administered by Bellcore under SR-BDS-001511, *Administrative Guidelines for Card Issuer Identifiers*.

The data set is composed of fixed fielded records of 256 bytes each blocked at 15 records per block. The block size is 3840 bytes.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. Beginning CIID Assigned (Beginning CIID Code assignment)	6	1-6	N
2. Ending CIID Assigned (Ending CIID Code assignment)	6	7-12	N
3. Card Issuer's Name	25	13-37	A/N
4. Card Issuer's Address Line 1 (Up to three address lines may be used)	25	38-62	A/N
5. Card Issuer's Address Line 2	25	63-87	A/N
6. Card Issuer's Address Line 3	25	88-112	A/N
7. Card Issuer's City	25	113-137	A/N
8. Card Issuer's State	2	138-139	A/N
9. Card Issuer's Zip Code	10	140-149	A/N
10. Card Issuer's Billing Code Billing Entity Code (CIC) or Alternate Billing Entity Code (ABEC)	5	150-154	N
11. ABEC Indicator 0= Not an ABEC 1= Indicates Card Issuer's Code is an ABEC	1	155	N
12. ACNA (Access Customer Name Abbreviation)	3	156-158	A/N
13. Validation Data Base Operator Operator of the validation data base chosen by the Card Issuer	25	159-183	A/N

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
14. Billing Agent/Host Name (Name of Billing Agent/Host Company) If there is an entry in positions 212-214 (RAO) this field must be populated with either the CMDS Host Company Name or the Billing Agent's name. If there is no entry in positions 212-214, this field will contain the Billing Agent's name (if applicable).	25	184-208	A/N
15. Reserved for Future Use	3	209-211	A/N
16. Billing Agent/Host RAO Code RAO Code of the CMDS collector NOTE: If this field has an entry, the card issuer has a CMDS Host. If this field contains zeroes, there is no CMDS Host.	3	212-214	A/N
17. Reserved for Future Use	35	215-249	A/N
18. Effective Date of Change (MMDDYY)	6	250-255	N
19. Change Code 0 = No Change 1 = Change in Card Issuer's Name/Address 2 = Change in Card Issuer's Code 3 = Change in ABEC Indicator 4 = Change in ACNA 5 = Change in Validation Data Base Operator 6 = Change in Billing Agent/Host Name 7 = Change in Billing Agent/Host RAO Code 9 = Multiple Changes A = Awaiting Effective Date B = Change To Awaiting Effective Date (A) Change D = Deletion of CIID E = Change in Effective Date N = New CIID	1	256	A/N

Card Issuer Identifier
 Record Name

Pos.	Field Description	Char.	No.
1 2 3 4 5 6	Beginning CIID Assigned	N	6
7 8 9 10 11 12	Ending CIID Assigned	N	6
13 - - - - 37	Card Issuer's Name	A/N	25
38 - - - - 62	Card Issuer's Address Line 1	A/N	25
63 - - - - 87	Card Issuer's Address Line 2	A/N	25
88 - - - - 112	Card Issuer's Address Line 3	A/N	25
113 - - - - 137	Card Issuer's City	A/N	25

Pos.	Field Description	Char.	No.
138 139	Card Issuer's State	A/N	2
140 - - 149	Card Issuer's Zip Code	N	10
150 151 152 153 154	Card Issuer's Billing Code	N	5
155	ABEC Indicator	N	1
156 157 158	ACNA	A/N	3
159 - - 183	Validation Data Base Operator	A/N	25
184 - - 208	Billing Agent/ Host Name	A/N	25
209 210 211	Reserved for Future Use	A/N	3
212 213 214	Billing Agent/ Host RAO Code	A/N	3
215 - - - 249	Reserved For Future Use	A/N	35
250 251 252 253 254 255	Effective Date Of Change (MMDDYY)	N	6
256	Change Code	A/N	1

Figure 8-14. Card Issuer Identifier Record Layout

8.3 Telephone Area Code Directory (TACD) Tape

8.3.1 Tape Specifications

The TACD data tape is a multiple dataset, single-volume magnetic tape. This tape is issued in its entirety. This is also available on 3 1/2", 1.44 MB floppy disk. A product containing only changed records is not available.

Codes for field types are A=alpha, N=numeric, A/N=alphanumeric.

8.3.2 TACD Data

Data Set	LRECL	BLKSIZE	Product TA21	Product DT29
			Data Set Name (Tape)	DOS Name (on diskette)
Copyright	80	4000	BCR.COPY.RIGHT	BCR.COPY.RIGHT
TACD Data	106	5300	BCR.TACD.DATA	BCR.TACD.DATA
TACD Canadian Data	106	5300	BCR.TACDCN.DATA	BCR.TACDCN.DATA
TACD Future Data	106	5600	BCR.FUT.DATA	BCR.FUT.DATA

8.3.3 Data Set BCR.TACD.DATA

	<u>FIELD DESCRIPTION</u>	<u>COLUMNS</u>	<u>TYPE</u>	<u>REMARK</u>
1.	State/Province Name	1-50	A	Left-Justified
2.	Rate Center/Locality	51-100	A/N	Left-Justified
3.	NPA (new)	101-103	N	
4.	NPA (old)	104-106	N	

8.3.4 Data Set BCR.TACDCN.DATA

	<u>FIELD DESCRIPTION</u>	<u>COLUMNS</u>	<u>TYPE</u>	<u>REMARK</u>
1.	State/Province name	1-50	A	Left-Justified
2.	Rate Center/Locality	51-100	A/N	Left-Justified
3.	NPA (new)	101-103	N	
4.	NPA (old)	104-106	N	

8.3.5 Data Set BCR.FUT.DATA

	<u>FIELD DESCRIPTION</u>	<u>COLUMNS</u>	<u>TYPE</u>	<u>REMARK</u>
1.	State/Province name	1-50	A	Left-Justified
2.	Rate Center/Locality	51-100	A/N	Left-Justified
3.	NPA (new)	101-103	N	
4.	Effective Date	104-109	N	
5.	NPA (old)	110-112	N	

8.4 NPA/NXX V&H Coordinates Data

8.4.1 General Information

The NPA/NXX V&H Coordinates Data is provided on a multiple data set, single-volume magnetic tape that contains seven data sets. This data is also issued on a 3½" 1.44 Mb diskette in data compression format.

This data is issued monthly in its entirety. It includes an updated NPA/NXX master file as well as a data set and DOS file containing only updates which are reflected in the master file. It also contains separate files with Special Calling Card codes, Operating Company Numbers, Card Issuer Identifiers and NPA/NXXs with Minor Vertical & Horizontal coordinates.

Codes for field types are A=alpha, N=numeric, A/N=alphanumeric.

8.4.2 Tape and Diskette Format

Standard IBM labeled tape	DOS-formatted Diskette
9 Track, 1600 BPI	1.44 MB, 3½"
EBCDIC recording	ASCII
Volume Serial Number = NXmmyy (month and year)	Files are compressed in self-uncompressing files
External label contains the volume serial number and the creation date matching the internal HDR and VOL Label tape.	

8.4.3 NPA/NXX V&H Coordinate File Description

Data Set	LRECL	BLKSIZE	Product TT03	Product DT12
			Data Set Name (Tape)	DOS Name (on diskette)
Copyright	80	4000	BCR.COPY.RIGHT	COPYRGHT.DAT
Complete data set	80	4000	BCR.MASTER.NPANXX	NXXMSTR.DAT
Activity data set	80	4000	BCR.ACTVTY.NPANXX	NXXACTVY.DAT
Special Calling Card data set	30	3000	BCR.NUMBER.SCC	SCC.DAT
Operating Company Number	35	1750	BCR.NUMBER.OCN	OCN.DAT
Card Issuer Identifier data set	256	3840	BCR.NUMBER.CIID	CIID.DAT
Minor V&H NPA/NXXs	90	4500	BCR.MINOR.VH	MINORVH.DAT
—	—	—	—	SEARCH.BAS

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8.4.4 Data Set BCR.COPY.RIGHT and DOS File COPYRIGHT.DAT

This data set contains a text file that copyrights the data on the tape and diskette. The data set has a record of 80 bytes.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. Copyright and Notice	80	1-80	A/N

8.4.5 Data Set BCR.MASTER.NPANXX

This data set contains all NPA/NXX coordinates record combinations, and highlights codes that are new or changed since the previous issue. It is composed of fixed fielded records of 80 bytes each blocked at 50 records to a block.

8.4.6 Data Set BCR.ACTVTY.NPANXX

This data set contains only updates which are reflected in the master file since the last issue. The fields are identical to those in the BCR.MASTER.NPANXX data set.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. Major Vertical (V) Coordinate	5	1-5	N
2. Major Horizontal (H) Coordinate	5	6-10	A/N
3. Reserved for Future Use	7	11-17	A/N
4. LATA Subzone	2	18-19	N
5. LATA Code	3	20-22	N
6. Reserved for Future Use	1	23	A/N
7. IDDD Capability Indicator 0 = No (not capable)* 1 = Yes (capable)	1	24	N
8. Customer Dialable Indicator 0 = No (not dialable by customer)* 1 = Yes (dialable by customer)	1	25	N
9. Company Number	2	26-27	N
10. Actual NPA for Non-Mexican "Other Place"	3	28-30	N
11. Reserved for Future Use	1	31	A/N
12. NPA	3	32-34	N
13. NXX	3	35-37	N
14. NXX Type 00 = Regular 01 = Mobile (IMTS) 02 = Paging 03 = Packet Switching 04 = Cellular	2	38-39	N

* 0 is viewed as N, and 1 is viewed as Y on other than tape or diskette products.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
05 = Plant Test			
06 = Maritime			
07 = Air to Ground			
09 = 900 Service			
10 = Called Party Pays			
11 = Information Provider Service			
12 = Reserved			
13 = Directory Assistance			
14 = Special Calling Cards			
15 = Official Exchange Carrier Service			
16 = Originating Only			
17 = Billing Only			
18 = 800 Data Base			
30 = Broadband			
31 = Reserved			
32 = Reserved			
33 = Reserved			
34 = Reserved			
35 = Reserved			
50 = Shared among 3 or more services			
51 = Shared between POTS and Mobile			
52 = Shared between POTS and Paging			
53 = Reserved for Future Use			
54 = Shared between POTS and Paging			
55 = Special Billing Option – Cellular			
Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			
56 = Special Billing Option – Paging			
Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
<p>57 = Special Billing Option – Mobile Dedicated code assigned to Mobile Service Provider for mobile service, and Service provider has requested LEC IntraLATA special billing option on a LATAwide basis, IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.</p>			
<p>58 = Special Billing Option shared among two or more (Cellular, Paging, Mobile). Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile services, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.</p>			
<p>60 = Cellular (NXX Type C). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			
<p>61 = Paging (NXX Type B). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
62 = Mobile (NXX Type R). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Mobile Service Provider for mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.			
63 = Combinations of 60, 61, and/or 62. Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.			
64 = Personal Communication Service (PCS)			
65 = MISC SVC (Non-500 PCS, etc.)			
66 = Shared - POTS & Misc SVC			
67 = BILLING OPT-MISC PCS - Dedicated code assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service and Service Provider has requested LEC IntraLATA special billing option on a LATA-wide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			
68 = SEL SPCL BILL OPT-MISC PCS - Dedicated code assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers in SELECTED Exchanges are billed to the Service Provider as specified by state tariffs.			
88 = Toll Station - Ring Down			
15. Reserved for Future Use	1	40	A/N
16. Send to RAO	3	41-43	A/N
17. Reserved for Future Use	4	44-47	A/N
18. Other Line Rate Step	2	48-49	A/N

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
19. A four digit code that refers to the party owning or responsible for a given record. 0000 indicates unknown or not applicable. For NXX data, if Company Type is 2 this is a zero followed by a three digit Carrier Identification Code (CIC) or, a 4 digit CIC.	4	50-53	A/N
20. Bill to RAO Revenue Accounting Office Code If this is an "additional" RAO, the "main" RAO will be in "Send to RAO" field.	3	54-56	A/N
21. Special Rating Indicator 0 = No Special Rating 1 = Person Day Rate Only 2 = No Collect Calls 3 = Collect Calls Person Only	1	57	N
22. Time Zone 0 = Time Zone not applicable 1 = Samoa 2 = Hawaii 3 = Alaska/Yukon 4 = Pacific 5 = Mountain 6 = Central 7 = Eastern 8 = Atlantic 9 = Newfoundland (one and one-half hours <u>ahead</u> of Eastern time zone)	1	58	A/N
23. Daylight Savings Observed Indicator 0 = Not Observed* 1 = Observed	1	59	N
24. Place Name or Service Name	10	60-69	A/N

* 0 is viewed as N, and 1 is viewed as Y on other than tape or diskette products.

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
25.	State, Province, or Country Name Abbreviation	2	70-71	A
26.	Effective Date of Change (MMDDYY)	6	72	N
27.	Change Code (Blank) = No Change 2 = Dialable Indicator 3 = Place Name 4 = V and/or H Coordinate 5 = Time Zone or Daylight Savings Indicator 6 = RAO Code 7 = Operating Company Number 8 = Other Line Rate Step 9 = Multiple Changes A = Awaiting Effective Date B = Change To Awaiting Effective Date (A) Change D = Deletion E = Change in Effective Date J = Company Type K = Company Number L = LATA Code or LATA Subzone N = Addition P = IDDD Capability Indicator R = NXX Type S = Special Rating Indicator W = Send to RAO U = Cancel Z Code appearing in previous product Z = True disconnect date in current product window or retained past disconnect for billing purposes	1	78	A/N
28.	Company Type 0 = BCC Exchange Carrier 1 = Independent Exchange Carrier 2 = Interexchange Carrier 3 = Radio Common Carrier 4 = Cincinnati Bell and Southern New England Telephone 5 = Cellular Carrier 7 = Competitive Local Exchange Company (CLEC) 8 = PCS Service Provider 9 = Service Provider (MISC SVC)	1	79	N
29.	Point Identification 0 = Non-protected 48 States 1 = Protected NXX Code 2 = Canadian Point 3 = Alaskan Point 4 = Caribbean Point	1	80	A/N

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
5 = Mexican Point			
6 = Hawaiian			
7 = Reserved			
9 = 900 Service			
A = 800 Data Base			
B = Personal Communication Service (PCS)			

NPA/NXX V&H Coordinates
Record Name

Pos.	Field Description	Char.	No.
1	Vertical Coordinate (Major)	N	5
2			
3			
4			
5			
6	Horizontal Coordinate (Major)	A/N	5
7			
8			
9			
10			
11	Reserved for Future Use	A/N	7
12			
13			
14			
15			
16			
17			
18	LATA Subzone	N	2
19			
20	LATA Code	N	3
21			
22			
23	Reserved for Future Use	A/N	1
24	IDDD Indicator	N	1
25	Dialable Indicator	N	1
26	Company Number	N	2
27			
28	Actual NPA For Non-Mexico Other Place	N	3
29			
30			
31	Reserved for Future Use	A/N	1
32	NPA	N	3
33			
34			
35	NXX	N	3
36			
37			
38	NXX Type	N	2
39			
40	Reserved for Future Use	A/N	1

Pos.	Field Description	Char.	No.
41	Send to RAO	A/N	3
42			
43			
44	Reserved for Future Use	A/N	4
45			
46			
47	Other Line Rate Step	A/N	2
48			
49	Operating Company Number	A/N	4
50			
51			
52			
53	Billing RAO	A/N	3
54			
55			
56	Special Rating Indicator	N	1
57	Time Zone	A/N	1
58	Daylight Savings Indicator	N	1
59	Place Name or Service Name	A/N	10
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70	State, Province, Country Abbreviation	A	2
71			
72	Effective Date Of Change (MMDDYY)	N	6
73			
74			
75			
76			
77			
78	Change Code	A/N	1
79	Company Type	N	1
80	Point Identification	A/N	1

Figure 8-18. NPA/NXX V&H Coordinates Record Layout

8.4.7 Data Set BCR.NUMBER.SCC and DOS File SCC.DAT

This data set contains all the Special Calling Card codes. It is a complete file each month with updates indicated with a change code.

The data set is composed of fixed field records of 30 bytes each. On the tape these are blocked at 100 records per block.

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1.	Bill to RAO	3	1-3	A/N
2.	0/1XX (SCC Code)	3	4-6	N
3.	Send to RAO	3	7-9	A/N
4.	NPA	3	10-12	N
5.	Change Code (Blank) = No Change 6 = NPA Code 7 = OCN 9 = Multiple Changes A = Awaiting Effective Date B = Change To Awaiting Effective Date (A) Change D = Deletion E = Changes in Effective Date N = New U = Cancel Z Code appearing in previous product W = Send to RAO Z = True disconnect date in previous product window or retained past disconnect for billing purposes	1	13	A/N
6.	Effective Date of Change (MMDDYY)	6	14-19	N
7.	Operating Company Number 0000 = unknown/not applicable 9999 = shared	4	20-23	A/N
8.	Reserved for Future Use	7	24-30	A/N

Special Calling Card
Record Name

Pos.	Field Description	Char.	No.
1 2 3	Bill to RAO	A/N	3
4 5 6	SCC Code	N	3
7 8 9	Send to RAO	A/N	3
10 11 12	NPA	N	3
13	Change Code	A/N	1
14 15 16 17 18 19	Effective Date Of Change (MMDDYY)	N	6
20 21 22 23	Operating Company Number	A/N	4
24 25 26 27 28 29 30	Reserved For Future Use	A/N	7

Figure 8-19. Special Calling Card Record Layout

8.4.8 Data Set BCR.NUMBER.OCN and DOS File OCN.DAT

This data set contains a listing of Operating Company numbers with their associated company name. It is a complete file each month with updates indicated by a change code.

The data set is composed of fixed field records of 35 bytes each. On the tape these are blocked at 50 records per block.

	<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1.	Operating Company Number	4	1-4	A/N
2.	Company Name	30	5-34	A/N
3.	Change Code	1	35	A/N

(Blank) = No Change
C = Change in Company Name
D = Deletion
N = New

Operating Company Number Reference File
Record Name

Pos.	Field Description	Char.	No.
1	Operating Company Number	A/N	4
2			
3			
4			
5	Company Name	A/N	30
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35	Change Code	A/N	1

Figure 8-20. Operating Company Number Reference File Record Layout

8.4.9 Data Set BCR.NUMBER.CIID and DOS File CIID.DAT

This data set contains the identification of and detailed information for the issuers of non-exchange, non-RAO calling cards in the 14-digit format. It is a complete file each month with updates indicated by a change code. Card Issuer Identifiers are administered by Bellcore under SR-DBS-001511, *Administrative Guidelines for Card Issuer Identifiers*.

The data set is composed of fixed field records of 256 bytes each. On the tape these are blocked at 15 records per block.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. Beginning CIID Assigned (Beginning CIID Code assignment)	6	1-6	N
2. Ending CIID Assigned (Ending CIID Code assignment)	6	7-12	N
3. Card Issuer's Name	25	13-37	A/N
4. Card Issuer's Address Line 1 (Up to three address lines may be used)	25	38-62	A/N
5. Card Issuer's Address Line 2	25	63-87	A/N
6. Card Issuer's Address Line 3	25	88-112	A/N
7. Card Issuer's City	25	113-137	A/N
8. Card Issuer's State	2	138-139	A/N
9. Card Issuer's Zip Code	10	140-149	A/N
10. Card Issuer's Billing Code Billing Entity Code (CIC) or Alternate Billing Entity Code (ABEC)	5	150-154	N
11. ABEC Indicator 0 = Not an ABEC 1 = Indicates Card Issuer's Code is an ABEC	1	155	N
12. ACNA (Access Customer Name Abbreviation)	3	156-158	A/N
13. Validation Data Base Operator Operator of the validation data base chosen by the Card Issuer	25	159-183	A/N

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
14. Billing Agent/Host Name (Name of Billing Agent/Host Company) If there is an entry in positions 212-214 (RAO) this field must be populated with either the CMDS Host Company Name or the Billing Agent's name. If there is no entry in positions 212-214, this field will contain the Billing Agent's name (if applicable).	25	184-208	A/N
15. Reserved for Future Use	3	209-211	A/N
16. Billing Agent/Host RAO Code RAO Code of the CMDS collector NOTE: If this field has an entry, the card issuer has a CMDS Host. If this field contains zeroes, there is no CMDS Host.	3	212-214	A/N
17. Reserved for Future Use	35	215-249	A/N
18. Effective Date of change (MMDDYY)	6	250-255	N
19. Change Code 0 = No Change 1 = Change in Card Issuer's Name/Address 2 = Change in Card Issuer's Code 3 = Change in ABEC Indicator 4 = Change in ACNA 5 = Change in Validation Data Base Operator 6 = Change in Billing Agent/Host Name 7 = Change in Billing Agent/Host RAO Code 9 = Multiple Changes A = Awaiting Effective Date B = Change To Awaiting Effective Date (A) Change D = Deletion of CIID E = Change in Effective Date N = New CIID	1	256	A/N

Card Issuer Identifier
 Record Name

Pos.	Field Description	Char.	No.
1	Beginning CIID Assigned	N	6
2			
3			
4			
5			
6			
7	Ending CIID Assigned	N	6
8			
9			
10			
11			
12			
13	Card Issuer's Name	A/N	25
-			
-			
-			
37			
38	Card Issuer's Address Line 1	A/N	25
-			
-			
-			
62			
63	Card Issuer's Address Line 2	A/N	25
-			
-			
-			
87			
88	Card Issuer's Address Line 3	A/N	25
-			
-			
-			
112			
113	Card Issuer's City	A/N	25
-			
-			
-			
137			

Pos.	Field Description	Char.	No.
138	Card Issuer's State	A	2
139			
140	Card Issuer's Zip Code	N	10
-			
149			
150	Card Issuer's Billing Code	N	5
151			
152			
153			
154			
155	ABEC Indicator	N	1
156	ACNA	A/N	3
157			
158			
159	Validation Data Base Operator	A/N	25
-			
-			
183			
184	Billing Agent/ Host Name	A/N	25
-			
208			
209	Reserved for Future Use	A/N	3
210			
211			
212	Billing Agent/ Host RAO Code	A/N	3
213			
214			
215	Reserved For Future Use	A/N	35
-			
-			
249			
250	Effective Date Of Change (MMDDYY)	N	6
251			
252			
253			
254			
255			
256	Change Code	A/N	1

Figure 8-21. Card Issuer Identifier Record Layout

BR 010-200-005
Issue 6, May 1997

8.4.10 Data Set BCR.MINOR.VH

This data set contains all NPA/NXX combinations from the BRADS data base that have Minor Vertical and Horizontal entries. Activity codes in this data set will be the same as the activity code for the NPA/NXX in the second data set.

The data set is composed of fixed-field records of 90 bytes each blocked at 50 records to a block.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
1. Vertical (V) Coordinate (Major)	5	1-5	N
2. Horizontal (H) Coordinate (Major)	5	6-10	A/N
3. Reserved for Future Use	7	11-17	A/N
4. LATA Subzone	2	18-19	N
5. LATA Code	3	20-22	N
6. Reserved for Future Use	1	23	A/N
7. IDDD Capability Indicator 0 = No (not capable)* 1 = Yes (capable)	1	24	N
8. Customer Dialable Indicator 0 = No (not dialable by customer)* 1 = Yes (dialable by customer)	1	25	N
9. Company Number	2	26-27	N
10. Actual NPA for Non-Mexican "Other Place"	3	28-30	N
11. Reserved for Future Use	1	31	A/N
12. NPA	3	32-34	N
13. NXX	3	35-37	N
14. NXX Type 00 = Regular 01 = Mobile (IMTS) 02 = Paging 03 = Packet Switching 04 = Cellular 05 = Test	2	38-39	N

* 0 is viewed as N, and 1 is viewed as Y on other than tape or diskette products.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
06 = Maritime			
07 = Air to Ground			
09 = 900 Service			
10 = Called Party Pays			
11 = Information Provider Service			
12 = Reserved			
13 = Directory Assistance			
14 = Special Calling Cards			
15 = Official Exchange Carrier Service			
16 = Originating Only			
17 = Billing Only			
18 = 800 Data Base			
30 = Broadband			
31 = Reserved			
32 = Reserved			
33 = Reserved			
34 = Reserved			
35 = Reserved			
50 = Shared among 3 or more services			
51 = Shared between POTS and Mobile			
52 = Shared between POTS and Paging			
53 = Reserved for Future Use			
54 = Shared between POTS and Cellular			
55 = Special Billing Option – Cellular Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			
56 = Special Billing Option – Paging Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			
57 = Special Billing Option – Mobile Dedicated code assigned to Mobile Service Provider for mobile service, and Service provider has requested LEC IntraLATA special billing option on a LATAwide basis, IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
<p>58 = Special Billing Option shared among two or more (Cellular, Paging, Mobile). Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile services, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.</p>			
<p>60 = Cellular (NXX Type C). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			
<p>61 = Paging (NXX Type B). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			
<p>62 = Mobile (NXX Type R). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Mobile Service Provider for mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.</p>			

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
63 = Combinations of 60, 61, and/or 62. Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.			
64 = Personal Communication Service (PCS)			
65 = MISC SVC (Non-500 PCS, etc)			
66 = Shared - POTS & Misc SVC			
67 = BILLING OPT-MISC PCS - Dedicated code assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service and Service Provider has requested LEC IntraLATA special billing option on a LATA-wide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.			
68 = SEL SPCL BILL OPT-MISC PCS - Dedicated code assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers in SELECTED Exchanges are billed to the Service Provider as specified by state tariffs.			
88 = Toll Station - Ring Down			
15. Reserved for Future Use	1	40	A/N
16. Send to RAO	3	41-43	A/N
17. Reserved for Future Use	4	44-47	A/N
18. Other Line Rate Step	2	48-49	A/N
19. A four digit code that refers to the party owning or responsible for a given record. 0000 indicates unknown or not applicable. For NXX data, if Company Type is 2 this is a zero followed by a three digit Carrier Identification Code (CIC) or, a 4 digit CIC.	4	50-53	A/N
20. RAO	3	54-56	A/N

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
If this is an "additional" RAO, the "main" RAO will be in "Send to RAO" field.			
21. Special Rating Indicator 0 = No Special Rating 1 = Person Day Rate Only 2 = No Collect Calls 3 = Collect Calls Person Only	1	57	N
22. Time Zone 0 = Time Zone not applicable 1 = Samoa 2 = Hawaii 3 = Alaska / Yukon 4 = Pacific 5 = Mountain 6 = Central 7 = Eastern 8 = Atlantic 9 = Newfoundland (one and one-half hours <u>ahead</u> of Eastern Time zone)	1	58	A/N
23. Daylight Savings Indicator 0 = Not Observed* 1 = Observed	1	59	N
24. Place Name or Service Name	10	60-69	A/N

* 0 is viewed as N, and 1 is viewed as Y on other than tape or diskette products.

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
25. State, Province, or Country Name Abbreviation	2	70-71	A
26. Effective Date of Change (MMDDYY)	6	72-77	N
27. Change Code	1	78	A/N
(Blank) = No Change 2 = Dialable Indicator 3 = Place Name 4 = V and/or H Coordinate 5 = Time Zone or Daylight Savings Indicator 6 = RAO Code 7 = Operating Company Number 8 = Other Line Rate Step 9 = Multiple Changes A = Awaiting Effective Date B = Change To Awaiting Effective Date (A) Change D = Deletion E = Change in Effective Date J = Company Type K = Company Number L = LATA Code or LATA Subzone N = Addition P = IDDD Capability Indicator R = NXX Type S = Special Rating Indicator U = Cancel Z Code appearing in previous product W = Send to RAO Z = True disconnect date in current product window or retained past disconnect for billing purposes			
28. Company Type	1	79	N
0 = Bell Exchange Carrier 1 = Independent Exchange Carrier 2 = Interexchange Carrier 3 = Radio Common Carrier 4 = Cincinnati Bell and Southern New England Telephone 5 = Cellular Company 7 = Competitive Local Exchange Company (CLEC) 8 = PCS Service Provider 9 = Service Provider (MISC,SVC)			
29. Point Identification	1	80	A/N
0 = Non-protected 48 States 1 = Protected NXX Code 2 = Canadian Point 3 = Alaskan Point 4 = Caribbean Point			

<u>FIELD DESCRIPTION</u>	<u>LENGTH</u>	<u>POSITION</u>	<u>TYPE</u>
5 = Mexican Point			
6 = Hawaiian Point			
7 = International Terminating Point			
9 = 900 Service			
A = 800 Database			
B = PCS Point			
30. Vertical (V) Coordinate (Minor)	5	81-85	N
31. Horizontal (H) Coordinate (Minor)	5	86-90	N

Minor Vertical & Horizontal NXXs
Record Name

The Minor V & H Coordinate Data Set is exactly like the one shown for the NPA/NXX V&H Coordinate Data Set except it includes positions 81-85 Minor Vertical Coordinate and positions 86-90 Minor Horizontal Coordinate (see below).

Pos.	Field Description	Char.	No.
81 82 83 84 85	Vertical Coordinate (Minor)	N	5
86 87 88 89 90	Horizontal Coordinate (Minor)	N	5

Figure 8-22. Minor Vertical & Horizontal NXXs Record Layout

8.5 Terminating Point Master Microfiche

A sample copy of the microfiche is shown in Figure 8-24. Numbered columns are used to highlight the entries. Explanations for the columns are provided below.

1. NPA
2. NXX
3. NXX Type (TY)
 - 00 = Regular
 - 01 = Mobile
 - 02 = Paging
 - 03 = Packet Switching
 - 04 = Cellular
 - 05 = Plant Test
 - 06 = Maritime
 - 07 = Air to Ground
 - 09 = 900 Service;
 - 10 = Called Party Pays
 - 11 = Information Provider Service
 - 12 = 500 Service
 - 13 = Directory Assistance
 - 14 = Special Calling Cards
 - 15 = Official Exchange Company Service
 - 16 = Originating Only
 - 17 = Billing Only
 - 18 = 800 Database
 - 50 = Shared among 3 or more services
 - 51 = Shared between POTS and Mobile
 - 52 = Shared between POTS and Paging
 - 53 = Reserved for Future Use
 - 54 = Shared between POTS and Cellular
 - 55 = Special Billing Option – Cellular
Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.
 - 56 = Special Billing Option – Paging
Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.
 - 57 = Special Billing Option – Mobile
Dedicated code assigned to Mobile Service Provider for mobile service, and Service provider has requested LEC IntraLATA special billing option on a LATAwide basis, IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.
 - 58 = Special Billing Option shared among two or more (Cellular, Paging, Mobile).
Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile services, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.

- 60 = Cellular (NXX Type C). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.
- 61 = Paging (NXX Type B). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.
- 62 = Mobile (NXX Type R). Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Mobile Service Provider for mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.
- 63 = Combinations of 60, 61, and/or 62. Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option. Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.
- 64 = Personal Communication Service (PCS)
- 65 = MISC SVC (Non-500 PCS, etc.)
- 66 = Shared - POTS & Misc SVC
- 67 = BILLING OPT-MISC PCS - Dedicated code assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service *and* Service Provider has requested LEC IntraLATA special billing option on a LATA-wide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.
- 68 = SEL SPCL BILL OPT-MISC PCS - Dedicated code assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service *and* Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers in SELECTED Exchanges are billed to the Service Provider as specified by state tariffs.
- 88 = Toll Station – Ring Down
- 4/5. The ten-position place name and two-position state code abbreviation that appear on the customer's long distance message detail
6. Geographical numbering plan area code (Act. NPA)
 7. Company Code (Comp. Code)
 8. Company Type. Indicated as (CI)

- 0 = BCC Exchange Carrier
- 1 = Independent Exchange Carrier
- 2 = Interexchange Carrier
- 3 = Radio Common Carrier
- 4 = Cincinnati Bell and Southern New England Telephone
- 5 = Cellular Carrier
- 7 = Competitive Local Exchange Company (CLEC)
- 8 = PCS Service Provider
- 9 = Service Provider (Misc SVC)

9. Rate Center Major Vertical and Horizontal coordinates for the place name (Coordinates Vert. Horz.).

10. IDDD Capability Indicator (IDD)

- N = NXX does NOT have capability
- Y = NXX has capability

11. Dialable Indicator (DI)

- N = NXX cannot be dialed by customer.
- Y = NXX can be dialed by customer.

12. RAO

13. Four-position operating company number or three-position CIC.

14. Time Zone (TZ) – The number indicating the world time zone observed by the NXX.

15. Daylight Savings Observed (DL)

- N = Daylight Savings time *not* observed
- Y = Daylight Savings time observed

16. Other Line Rate Step (OLRS)

17. Point Identification (PI)

18. Special Rating Indicator (SRI)

19. LATA

20. LATA Subzone (SBZN)

21. Change Indicator (Chg. Ind.)

22. Effective date of last change (Effect. Date)

23. Change Code

- (Blank) = No Change
- 2 = Dialable Indicator
- 3 = Place Name
- 4 = V and/or H Coordinate
- 5 = Time Zone or Daylight Savings Indicator
- 6 = RAO Code

- 7 - Operating Company Number (OCN)
- 8 - Other Line Rate Step
- 9 - Multiple Changes
- A - Awaiting Effective Date
- B - Change To Awaiting Effective Date (A) Change
- D - Deletion
- E - Change in Effective Date
- J - Company Type
- K - Company Number
- L - LATA Code or LATA Subzone
- N - Addition
- P - IDDD Capability Indicator
- R - NXX Type
- S - Special Rating Indicator
- U - Cancel Z Code appearing in previous product
- W - Send to RAO
- Z - True disconnect date in current product window or retained
past disconnect for billing purposes

TERMINATING POINT MASTER																			
NPA	NXX	TY	PLACE NAME	STATE	ACT NPA	COMP CODE	CI	COORDINATES		IDD	DI	RAO	SEND TO	OCN	TZ DL	OLRS PI SRI	SB LATA ZN	CHG IND	EFFECT DATE
215	233	00	FLOURTOWN	PA	000	08	0	05528	01486	Y	Y	041		9208	7 Y	00 0 0	228 00		04/15/90
215	234	00	GREEN LANE	PA	000	08	0	05212	01551	Y	Y	043		9208	7 Y	00 0 0	228 00		04/15/90
215	235	00	PHILA	PA	000	08	0	05251	01458	Y	Y	041		9208	7 Y	00 0 0	228 00		12/14/88
215	236	00	PHILA	PA	000	08	0	05251	01458	Y	Y	041		9208	7 Y	00 0 0	228 00		12/14/88

Figure 8-23. Terminating Point Master Microfiche

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8.6 Operating Telephone Company Numbering Plan Guide Microfiche

A sample copy of the microfiche is shown in Figure 8-25. Numbered columns are used to highlight the entries. Explanations for the columns are provided below.

1. NXX
2. NXX Type (TY)
 - 00= Regular
 - 01= Mobile
 - 02= Paging
 - 03= Packet Switching
 - 04= Cellular
 - 05= Plant Test
 - 06= Maritime
 - 07= Air to Ground
 - 09= 900 Service;
 - 10= Called Party Pays
 - 11= Information Provider Service
 - 12= Reserved
 - 13= Directory Assistance
 - 14= Special Calling Cards
 - 15= Official Exchange Company Service
 - 16= Originating Only
 - 17= Billing Only
 - 18= 800 Database
 - 30= Broadband
 - 31= Reserved
 - 32= Reserved
 - 33= Reserved
 - 34= Reserved
 - 35= Reserved
 - 50= Shared among 3 or more services
 - 51= Shared between POTS and Mobile
 - 52= Shared between POTS and Paging
 - 53= Reserved for Future Use
 - 54= Shared between POTS and Cellular
 - 55= Special Billing Option – Cellular
Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.
 - 56= Special Billing Option – Paging
Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.
 - 57= Special Billing Option – Mobile
Dedicated code assigned to Mobile Service Provider for mobile service, and Service provider has requested LEC IntraLATA special billing option on a LATAwide basis, IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.
 - 58= Special Billing Option shared among two or more

(Cellular, Paging, Mobile).

Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile services, and Service Provider has requested LEC IntraLATA special billing option on a LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.

- 60= Cellular (NXX Type C). Service provider requests
SELECTIVE Local Exchange Company
IntraLATA Special Billing Option.

Dedicated code assigned to Cellular Service Provider for cellular service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.

- 61= Paging (NXX Type B). Service provider requests
SELECTIVE Local Exchange Company
IntraLATA Special Billing Option.

Dedicated code assigned to Paging Service Provider for paging service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.

- 62= Mobile (NXX Type R). Service provider requests
SELECTIVE Local Exchange Company
IntraLATA Special Billing Option.

Dedicated code assigned to Mobile Service Provider for mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.

- 63= Combinations of 60, 61, and/or 62. Service
provider requests SELECTIVE Local Exchange
Company IntraLATA Special Billing Option.

Dedicated code assigned to Service Provider for shared cellular, and/or paging, and/or mobile service, and Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers, in SELECTED Exchanges, are billed to the Service Provider as specified by state tariffs.

- 64= Personal Communication Service (PCS)

- 65= MISC SVC (non 500 PCS, etc.)

- 66= Shared - POTS & MISC SVC

- 67= BILLING OPT-MISC PCS - Dedicated code

assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service *and* Service Provider has requested LEC IntraLATA special billing option on a LATA-wide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.

- 68= SEL SPCL BILL OPT-MISC PCS - Dedicated code

assigned to Miscellaneous Personal Communications Service Provider for non-500 PCS service *and* Service Provider has requested LEC IntraLATA special billing option on a SELECTIVE Exchange basis. IntraLATA toll calls originating from LEC landline subscribers in SELECTED Exchanges are billed to the Service Provider as specified by state tariffs.

- 88= Toll Station – Ring Down

3. Company Type, Indicated as (CI)

- 0 = BCC Exchange Carrier
- 1 = Independent Exchange Carrier
- 2 = Interexchange Carrier
- 3 = Radio Common Carrier
- 4 = Cincinnati Bell and Southern New England Telephone
- 5 = Cellular Carrier
- 7 = Competitive Local Exchange Company (CLEC)
- 8 = PCS Service Provider
- 9 = Service Provider (Misc SVC)

4. Customer Dialable Indicator (DI)

- N = NXX *cannot* be dialed.
- Y = NXX can be dialed.

5. IDDD Capability (ID)

- N = NXX does *not* have the IDDD capability.
- Y = NXX has IDDD capability.

6. Daylight Savings Observed (DL).

- N = Daylight Savings time *not* observed.
- Y = Daylight Savings time observed.

7. A number indicating the world time zone (TZ) observed by the NXX.

8,9. Full place name that identifies the location served by the NXX. Place Name (ST EX), when the place is located in a state other than the state shown on the header of the frame of fiche then the actual state code for the place is shown in parenthesis.

10. Business Office Code (Bus. Off.).

11/12. Major Vertical (V) and Major Horizontal (H) rate center coordinates.

13/14. Minor Vertical (V) and Minor Horizontal (H) rate center coordinates.

15. RAO.

16. LATA.

17. LATA Subzone (SBZN).

18. Four-position operating company number or three-position CIC code (OCN).

19. Effective date of change (Effect. Date).

20/21. RATE CENTER (ST EX). The name in this column is the serving rate center name and State as filed in the local exchange tariff.

22. Change Code

- (Blank) = No Change
- 2 = Dialable Indicator
- 3 = Place Name

- 4 = V and/or H Coordinate
- 5 = Time Zone or Daylight Savings Indicator
- 6 = RAO Code
- 7 = Operating Company Number (OCN)
- 8 = Other Line Rate Step
- 9 = Multiple Changes
- A = Awaiting Effective Date
- B = Change To Awaiting Effective Date (A) Change
- D = Deletion
- E = Change in Effective Date
- J = Company Type
- K = Company Number
- L = LATA Code or LATA Subzone
- N = Addition
- P = IDDD Capability Indicator
- R = NXX Type
- S = Special Rating Indicator
- U = Cancel Z Code
- W = Send to RAO
- Z = True disconnect date in current product window
retained past disconnect for billing purposes

SECTION 30 OPERATING TELEPHONE COMPANY NUMBERING PLAN GUIDE																
NPA 313 MICHIGAN				NXX INFORMATION								MICHIGAN NPA 313				
NXX	TY	CI	IDD		T	PLACE NAME (ST EX)	BUS OFF	COORDINATES				RAO	LATA SB ZN	OCN	EFFECT DATE	LOCALITY (ST EX)
			DI	DL				MAJOR V	MAJOR H	MINOR V	MINOR H					
591	0	1	Y	Y	Y	LONG BEACH	55	9268	7856			537	730 00	2319	11/02/91	
592	0	1	Y	Y	Y	ALAMITOS	55	9268	7838			537	730 00	2319	11/02/91	
593	0	1	Y	Y	Y	LAKWOOD	55	9257	7849			537	730 00	2319	11/02/91	
594	0	1	Y	Y	Y	ALAMITOS	55	9268	7838			537	730 00	2319	11/02/91	

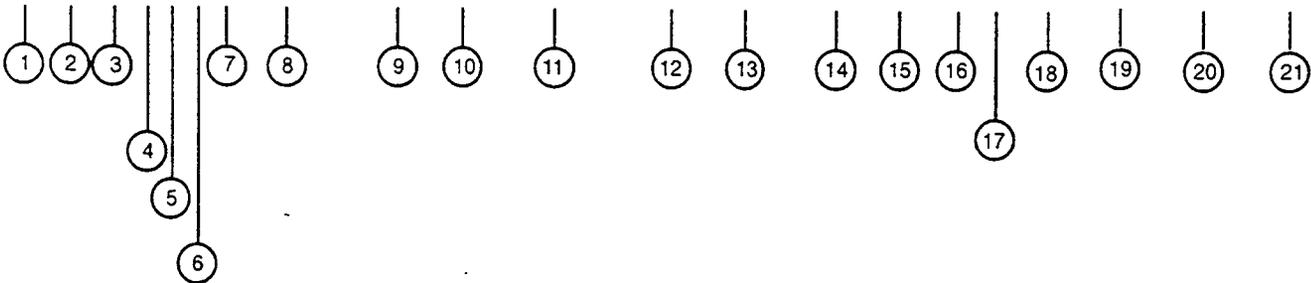


Figure 8-24. Operating Telephone Company Numbering Plan Guide Microfiche

Table 8-1. State Code Table

Canadian Provinces and Territories			
Location	Code		
Alberta	AB	St. Lucia	SA
British Columbia	BC	St. Vincent	ZF
Manitoba	MB	Trinidad + Tobago	TR
New Brunswick	NB	Turks & Caicos	TC
Newfoundland	NF	United States Virgin Islands	VI
Northwest Territory	NT	Wake Island	WK
Nova Scotia	NS		
Ontario	ON	United States	
Prince Edward Island	PE	Location	Code
Quebec	PQ	Alabama	AL
Saskatchewan	SK	Alaska	AK
Yukon Territory	YT	Arizona	AZ
		Arkansas	AR
Mexican States	MX	California	CA
		Colorado	CO
Islands		Connecticut	CT
Location	Code	Delaware	DE
Anquilla	AI	District of Columbia	DC
Antigua	AN	Florida	FL
Bahamas, The	BA	Georgia	GA
Barbados	BD	Hawaii	HI
Bermuda	BM	Idaho	ID
British Virgin Islands	BV	Illinois	IL
Cayman Islands	CQ	Indiana	IN
Dominica	DM	Iowa	IA
Dominican Republic	DR	Kansas	KS
Grenada	GN	Kentucky	KY
Jamaica	JM	Louisiana	LA
Midway Islands	MY	Maine	ME
Montserrat	RT	Maryland	MD
Nevis	NI	Massachusetts	MA
Puerto Rico	PR	Michigan	MI
St. Kitts	KI	Minnesota	MN
		Mississippi	MS
		Missouri	MO
		Montana	MT
		Nebraska	NE
		Nevada	NV

United States

Location	Code
New Hampshire	NH
New Jersey	NJ
New Mexico	NM
New York	NY
North Carolina	NC
North Dakota	ND
Ohio	OH
Oklahoma	OK
Oregon	OR
Pennsylvania	PA
Rhode Island	RI
South Carolina	SC
South Dakota	SD
Tennessee	TN
Texas	TX
Utah	UT
Vermont	VT
Virginia	VA
Washington	WA
West Virginia	WV
Wisconsin	WI
Wyoming	WY

Table 8-2. Common Language BOC LATA Codes Table

LATA Code	LATA Name
120	Maine
122	New Hampshire
124	Vermont
126	Western Massachusetts
128	Eastern Massachusetts
130	Rhode Island
132	New York Metro, New York
133	Poughkeepsie, New York
134	Albany, New York
136	Syracuse, New York
138	Binghamton, New York
140	Buffalo, New York
220	Atlantic Coastal, New Jersey
222	Delaware Valley, New Jersey
224	North Jersey, New Jersey
226	Capital, Pennsylvania
228	Philadelphia, Pennsylvania
230	Altoona, Pennsylvania
232	Northeast, Pennsylvania
234	Pittsburgh, Pennsylvania
236	Washington, D.C.
238	Baltimore, Maryland
240	Hagerstown, Maryland
242	Salisbury, Maryland
244	Roanoke, Virginia
246	Culpeper, Virginia
248	Richmond, Virginia
250	Lynchburg, Virginia
252	Norfolk, Virginia
254	Charleston, West Virginia
256	Clarksburg, West Virginia
320	Cleveland, Ohio
322	Youngstown, Ohio
324	Columbus, Ohio
325	Akron, Ohio
326	Toledo, Ohio
328	Dayton, Ohio
330	Evansville, Indiana
332	South Bend, Indiana
334	Auburn-Huntington, Indiana
336	Indianapolis, Indiana

LATA Code	LATA Name
338	Bloomington, Indiana
340	Detroit, Michigan
342	Upper Peninsula, Michigan
344	Saginaw, Michigan
346	Lansing, Michigan
348	Grand Rapids, Michigan
350	Northeast, Wisconsin
352	Northwest, Wisconsin
354	Southwest, Wisconsin
356	Southeast, Wisconsin
358	Chicago, Illinois
360	Rockford, Illinois
362	Cairo, Illinois
364	Sterling, Illinois
366	Forest, Illinois
368	Peoria, Illinois
370	Champaign, Illinois
374	Springfield, Illinois
376	Quincy, Illinois
420	Asheville, North Carolina
422	Charlotte, North Carolina
424	Greensboro, North Carolina
426	Raleigh, North Carolina
428	Wilmington, North Carolina
430	Greenville, South Carolina
432	Florence, South Carolina
434	Columbia, South Carolina
436	Charleston, South Carolina
438	Atlanta, Georgia
440	Savannah, Georgia
442	Augusta, Georgia
444	Albany, Georgia
446	Macon, Georgia
448	Pensacola, Florida
450	Panama City, Florida
452	Jacksonville, Florida
454	Gainesville, Florida
456	Daytona, Florida
458	Orlando, Florida
460	Southeast, Florida
462	Louisville, Kentucky
464	Owensboro, Kentucky
466	Winchester, Kentucky
468	Memphis, Tennessee
470	Nashville, Tennessee

LATA Code	LATA Name
472	Chattanooga, Tennessee
474	Knoxville, Tennessee
476	Birmingham, Alabama
477	Huntsville, Alabama
478	Montgomery, Alabama
480	Mobile, Alabama
482	Jackson, Mississippi
484	Biloxi, Mississippi
486	Shreveport, Louisiana
488	Lafayette, Louisiana
490	New Orleans, Louisiana
492	Baton Rouge, Louisiana
520	St. Louis, Missouri
521	Westphalia, Missouri
522	Springfield, Missouri
524	Kansas City, Missouri
526	Fort Smith, Arkansas
528	Little Rock, Arkansas
530	Pine Bluff, Arkansas
532	Wichita, Kansas
534	Topeka, Kansas
536	Oklahoma City, Oklahoma
538	Tulsa, Oklahoma
540	El Paso, Texas
542	Midland, Texas
544	Lubbock, Texas
546	Amarillo, Texas
548	Wichita Falls, Texas
550	Abilene, Texas
552	Dallas-Fort Worth, Texas
554	Longview, Texas
556	Waco-Temple, Texas
558	Austin, Texas
560	Houston, Texas
562	Beaumont, Texas
564	Corpus Christi, Texas
566	San Antonio, Texas
568	Brownsville, Texas
570	Hearne, Texas
620	Rochester, Minnesota
624	Duluth, Minnesota
626	St. Cloud, Minnesota
628	Minneapolis, Minnesota

LATA Code	LATA Name
630	Sioux City, Iowa
632	Des Moines, Iowa
634	Davenport, Iowa
635	Cedar Rapids, Iowa
636	Brainerd-Fargo, North Dakota
638	Bismark, North Dakota
640	South Dakota
644	Omaha, Nebraska
646	Grand Island, Nebraska
648	Great Falls, Montana
650	Billings, Montana
652	Idaho
654	Wyoming
656	Denver, Colorado
658	Colorado Springs, Colorado
660	Utah
664	New Mexico
666	Phoenix, Arizona
668	Tucson, Arizona
670	Eugene, Oregon
672	Portland, Oregon
674	Seattle Washington
676	Spokane, Washington
720	Reno, Nevada
721	Pahrump, Nevada
722	San Francisco, California
724	Chico, California
726	Sacramento, California
728	Fresno, California
730	Los Angeles, California
732	San Diego, California
734	Bakersfield, California
736	Monterey, California
738	Stockton, California
740	San Luis Obispo, California
820	Puerto Rico
822	Virgin Islands
824	Bahamas
826	Jamaica
828	Dominican Republic
830	Other Caribbean Islands
832	Alaska
834	Hawaii
836	Midway-Wake

LATA Code	LATA Name
838	Mexico
850	Ontario, Quebec, Alberta
851	Ontario
864	Overseas
881	Alberta
882	British Columbia
883	Quebec
884	Alberta
885	Newfoundland
886	British Columbia
887	Novia Scotia Prince Edward Island
888	Manitoba
889	Novia Scotia Prince Edward Island
890	New Brunswick
891	Saskatchewan
892	Alberta, Yukon Territory
920	Connecticut
921	Fishers Island, NY
922	Cincinnati Bell, Ohio
923	Lima/Mansfield, Ohio
924	Erie, Pennsylvania
927	Harrisonburg, Virginia
928	Charlottesville, Virginia
929	Edinbure, Virginia
930	Epps Fork, Virginia
932	Bluefield, West Virginia
937	Richmond, Indiana
938	Terre Haute, Indiana
939	Ft. Myers, Florida
949	Fayetteville, North Carolina
951	Rocky Mount, North Carolina
952	Tampa, Florida
953	Talahassee, Florida
955	Dothan, Alabama
956	Bristol, Johnson City, Tennessee
958	Lincoln, Nebraska
960	Coeur D'Alene, Idaho
961	San Angelo, Texas
963	Kalispell, Montana
971	Palm Springs, California
974	Rochester, New York
976	Mattoon, Illinois
977	Macomb, Illinois
978	Olney, Illinois

LATA Code	LATA Name
999	Reserved for Services, i.e., 800, 900

Table 8-3. LATA Subzone Code Table

NPA	LATA/ Subzone	LATA NAME Equal Access Exchange Area
	448/	Pensacola, Florida
205/904	13	Pensacola Access Tandem
205/904	14	Crestview Toll Center
904	15	Fort Walton Beach Toll Center
205	16	Atmore, Alabama Toll Center
	450/	Panama City, Florida
904	09	Panama City - Chipley Access Tandem
904/912	10	Port St. Joe Toll Center
904	11	Quincy Toll Center
904	12	Marianna Toll Center
	452/	Jacksonville, Florida
904	04	Jacksonville Access Tandem
904	05	Live Oak Toll Center
	454/	Gainesville, Florida
904	02	Gainesville Access Tandem
904	03	Ocala - Toll Center
	456/	Daytona Beach, Florida
904	01	Daytona Beach Access Tandem
	458/	Orlando, Florida
407	06	Orlando Access Tandem
407	07	Lake Buena Vista Toll Center
407/904	08	Winter Park/Center
	460/	Southeast, Florida
305	17	Ojus (Golden Glades Access Tandem)
407	18	West Palm Beach Access Tandem

CONTENTS

9. GLOSSARY 9-1

9. GLOSSARY

ABEC Indicator

A one-character numeric code that indicates that an Alternate Billing Code (ABEC) is used in place of a Carrier Identification Code.

Access Customer Name Abbreviation (ACNA)

A three-character numeric code that identifies the access customer.

Accounting Toll Information

The telephone number to call when information from the original message record is needed.

Actual NPA for 88X

The three-character numeric numbering plan area code used for rating the messages when the place called is not customer dialable. The NPA in which the "Fictitious 88X" is located.

Actual NPA for Non-Mexico Other Place

A three-character numeric code that identifies the actual NPA where the pseudo physically resides.

Additional RAO

A supplemental RAO code assigned to an exchange carrier for local use in assisting them in billing procedures. Generally this code is not assigned to a separate physical RAO location.

Area Code

See North American Numbering Plan Area.

Bellcore Rating Administrative Data System (BRADS)

A collection of computer programs operated and maintained by DataServ Inc. and used to generate products used by companies to support day-to-day operations.

Billing Agent/Host Name

A 25-character alphanumeric code that identifies the CMDS Host Company Name or Billing Agents.

Billing Agent/Host RAO Code

A 3-character numeric code that identifies the CIID CMDS Host. If this field contains zeros, there is no CMDS Host.

Bill to RAO

A three-character numeric code that identifies the Revenue Accounting Office to which the Billing Change Message is to be sent.

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Beginning CIID Assigned

A six-character numeric code that identifies the first number for a range of CIIDs assigned to a company.

Broadband Service

Any service that is offered at transmission speeds at or above DS3 (44.736 Mbps). A Broadband service may also be offered at speeds below DS3.

Business Office Code

A two-digit code assigned by your company to reference the business office that handles customer accounts. It is assigned with the NXX line number ranges.

Card Issuer Identifier

The identity of a business which issues Non-Exchange, Non-Revenue Accounting Office based calling cards. The first six digits of the number (of the card) identify the issuer of the card. The identities of these companies are found on the BCR.NUMBER.CIID data set found on various BRADS output products. Card Issuer Identifiers are administered by Bellcore under *Administrative Guidelines for Card Issuer Identifiers*, SR-BDS-001511.

Card Issuer's Name

The name of the company that assigned a range of CIID numbers.

Card Issuer's Address

The street or PO box address of the company that a range of CIID numbers.

Card Issuer's Billing Code

A five-character numeric code that identifies the Billing Entity Code (CIC) or Alternate Billing Entity Code (ABEC) for that set of CIID numbers.

Card Issuer's City

The city of the company that assigned a range of CIID numbers.

Card Issuer's State

The state of the company that assigned a range of CIID numbers.

Card Issuer's Zip Code

The zip code of the company that assigned a range of CIID numbers.

Card Issuer's Name

The name of the company that assigned a range of CIID numbers.

Carrier (Type of)

A one-character code showing the type of carrier to which the NXX has been assigned.

- 0 = Bellcore Client Company
- 1 = Independent Exchange Company
- 2 = Interexchange Carrier
- 3 = Radio Common Carrier
- 4 = Southern New England Telephone or
Cincinnati Bell Telephone
- 5 = Cellular Carrier

Change Code

A two-character alphanumeric code that identifies the changed information for the NPA-NXX. The change codes for each of the BRADS data sets are documented in Section 8 of this user guide.

CIC

A three- or four-character numeric code that identifies the billing entity for whom the message is being billed. Reference: *Bellcore Local Exchange Routing Guide (LERG)*, TR-EOP-000085 through TR-EOP-000092, General section.

CNA Information

Customer name and address.

Collect Ticket

The telephone number to call for information about collect, third number or calling card messages. The message details have been operator marked either by optical character recognition (OCR) or operator mark sensed (OMS) for processing.

Company Code/Company Number

The two-digit code identifying the BCC responsible for the NPA.

Company (Type of)

see *Carrier (Type of)*.

Company Type

A one-character numeric code that identifies the company to which the NPA-NXX belongs:

- 0 = BCC Exchange Carrier
- 1 = Independent Exchange Carrier
- 2 = Interexchange Carrier
- 3 = Radio Common Carrier
- 4 = Cincinnati Bell and Southern New England Telephone
- 5 = Cellular Carrier
- 6 = 800 Portable assignment
- 7 = Service Exchange Company

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Revision 2, December 1996

Country Abbreviation

A two-character alphanumeric code that identifies the country that the NPA-NXX is identified with.

Customer Name and Address Bureau

The location that can provide the subscriber's name, address, and identify return toll usage for each working telephone number assigned.

Daylight Savings Indicator

A one-character numeric code that identifies whether or not SCPS (Service Control Points) should apply daylight savings times to call routing patterns involving day, date, or time variables.

Daylight Savings Observed Indicator

A one-character numeric code that identifies if the NXX observes daylight savings time. A zero (0) means the NXX does not observe; one (1) means the NXX does observe. On other than tape or diskette products, 0 is viewed as N, and 1 is viewed as Y.

Dialable

See Non-Dialable.

Dialable Indicator

A one-character numeric code. A 0 indicates that the NXX is not dialable by the customer, and 1 indicates the NXX is dialable by the customer. On other than tape or diskette products, 0 is viewed as N, and 1 is viewed as Y.

Effective Date of change

Identifies the last date a change was made to information pertaining to the NPA-NXX.

Ending CIID Assigned

A six-character numeric code that identifies the last number for a range of CIIDs assigned to a company.

Equal Access

A numeric code indicating if the end user has the ability to use the interexchange/international carrier of their choice. Zero (0) means the NXX is not equipped for equal access; one (1) means the NXX is equipped.

Horizontal Coordinate (Major)

A five-character alphanumeric code assigned to the fictional latitude of the rate center.

IDDD Capability Indicator

A one-character numeric code which indicates if the NPA-NXX is IDDD dialable. Zero (0) means no (not capable), and one (1) means yes (dialable by customer). On other than tape or diskette products, 0 is viewed as N, and 1 is viewed as Y.

Independent Company

A local exchange carrier that is not a BCC or Cincinnati Bell/Southern New England Telephone.

International Code

A five-character alphanumeric code that identifies the country called (country code).

International Direct Distance Dialing (IDDD)

A zero (0) indicates that the NXX cannot dial calls to international points, i.e., those outside of the North American Numbering Plan. A one (1) indicates that the NXX can make international calls without interexchange operator assistance.

LATA Code

A three-character numeric element containing the standard LATA codes as listed in the *Bellcore Local Exchange Routing Guide (LERG)*, TR-EOP-000085 through TR-EOP-000092.

LATA Subzone

A two-character numeric code to further define territories within the Standard Metropolitan Statistical Area (SMSA).

Library Code

A two-character identifier where OMS/OCR source information that is recorded by operator services at an AMA facility is available.

Local Access Transport Area (LATA and LATA-like code)

A three-character numeric code identifying a Standard Metropolitan Statistical Area (SMSA).

LATA Subzone

A two-digit code to further define territories within the Standard Metropolitan Statistical Area.

Locality

The common name of the area served by the NXX. It can be up to fifty alpha characters in length.

Mark Sense Code

A six-character code (XXX-XXX) used to rate a message to a non-customer dialable point, (usually consisting of a real or fictitious NPA NXX).

Major Coordinate

The five-character field used to rate interstate messages when the distance between the calling and called point is greater than forty air miles. (See Horizontal Coordinate and Vertical Coordinate.)

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Maximum Billing Range Number

A one-character numeric code identifying the maximum number of digits needed to complete an international call.

Message Investigation Center (MIC)

A specialized group of investigators in a centralized environment who handle unbillable messages.

MIC Bureau Telephone Number

Message Investigation Center telephone number.

MIC Fraud Telephone Number

The number designated by the Message Investigation Center to be called in cases of fraud.

Minimum Billing Range Number

A one-character numeric code identifying the minimum number of digits needed to complete an international call.

Minor Coordinate

The five-character field used to rate interstate messages when the airline distance between the calling and called point is less than forty miles. (*See Horizontal Coordinate and Vertical Coordinate.*)

Minor Horizontal Coordinate

A five-character numeric code used to rate interstate messages when the airline distance between the calling and called point is less than forty miles. (*See Vertical and Horizontal Coordinate.*)

Minor Vertical Coordinate

A five-character numeric code used to rate interstate messages when the airline distance between the calling and called point is less than forty miles. (*See Vertical and Horizontal Coordinate.*)

Non-Dialable

A one-character code. A zero (0) translates to customer dialable; a one (1) means that the NXX is not dialable.

North American Numbering Plan Area

One of a number of geographic divisions in North America within which no two telephones can have the same seven-digit telephone number. Each NPA is assigned a distinctive three-digit code.

NPA

A three-character numeric code that identifies the valid NPA.

NXX

A three-character numeric code that identifies the valid NXX for an NPA.

NXX Type

A two-character numeric code that identifies the type of the NXX or the service that the NXX provides.

- 00 = Regular
- 01 = Mobile (IMTS)
- 02 = Paging
- 03 = Packet Switching
- 04 = Cellular
- 05 = Test
- 06 = Maritime
- 07 = Air to Ground
- 09 = 900 Service
- 10 = Called Party Pays
- 11 = Information Provider Service
- 12 = Reserved
- 13 = Directory Assistance
- 14 = Special Calling Cards
- 15 = Official Exchange Carrier Service
- 16 = Originating Only
- 17 = Billing Only
- 18 = 800 Data Base
- 30 = Broadband
- 31 = Reserved
- 32 = Reserved
- 33 = Reserved
- 34 = Reserved
- 35 = Reserved
- 50 = Shared among 3 or more services
- 51 = Shared between POTS and Mobile
- 52 = Shared between POTS and Paging
- 53 = Reserved for Future Use
- 54 = Shared between POTS and Cellular
- 55 = Special Billing Option – Cellular
- 56 = Special Billing Option – Paging
- 57 = Special Billing Option – Mobile
- 58 = Special Billing Option shared among two or more
(Cellular, Paging, Mobile)
- 60 = Cellular (NXX Type C). Service provider requests
SELECTIVE Local Exchange Company
IntraLATA Special Billing Option.
- 61 = Paging (NXX Type B). Service provider requests
SELECTIVE Local Exchange Company
IntraLATA Special Billing Option.
- 62 = Mobile (NXX Type R). Service provider requests
SELECTIVE Local Exchange Company
IntraLATA Special Billing Option.
- 63 = Combinations of 60, 61, and/or 62. Service
provider requests SELECTIVE Local Exchange
Company IntraLATA Special Billing Option.
- 64 = Personal Communication Service (PCS)

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- 65 = MISC SVC (non 500 PCS, etc.)
- 66 = Shared - POTS & MISC SVC
- 67 = BILLING OPT-MISC PCS - Dedicated code
assigned to Miscellaneous Personal Communications Service
Provider for non-500 PCS service *and* Service Provider has
requested LEC IntraLATA special billing option on a LATA-wide
basis. IntraLATA toll calls originating from LEC landline
subscribers are billed to the Service Provider as
specified by state tariffs.
- 68 = SEL SPCL BILL OPT-MISC PCS - Dedicated code
assigned to Miscellaneous Personal Communications Service
Provider for non-500 PCS service *and* Service Provider has
requested LEC IntraLATA special billing option on a SELECTIVE
Exchange basis. IntraLATA toll calls originating from LEC landline
subscribers in SELECTED Exchanges are billed to the Service Provider as
specified by state tariffs.
- 88 = Toll Station – Ring Down

OCN

The alphanumeric field that identifies the local exchange carrier to which an NXX is assigned.

Original Record Access File

The location where OMS/OCR information is available for responding to subpoenas and sometimes post-billing claims. *See* also Library Code.

Operating Company Number (OCN)

A four-character numeric code that identifies the local exchange carrier administering the line assignment for the NXX. BCC carrier number codes are assigned as follows; 9X (region number) and the traditional two-digit company code. Independent Exchange carrier numbers are those on file with the NECA. For purposes of transmitting exchange messages to the proper destination for billing, Service Bureau numbers are administered by Bellcore, District Manager-CMDS. All codes may be found on the TPM tape.

Operating Telephone Company Numbering Plan Guide (OTC-NPG)

A collection of industry-type information used by exchange telephone carriers to support day-to-day operations.

Other Line/Rate Step

A two-character alphanumeric code representing Mexican Other Line and Canadian Other Line surcharges.

Place Name or Service

A ten-character alphabetical location where the message terminates. It may be the rate center or locality name; directory assistance; Marine, or name of ship, if available; Dial-it services; Group Access Bridging; high-speed train; aircraft; mobile usage charge, etc. Company and/or regional policy should be consulted for appropriate policies regarding place name since it will appear on customer bill.

Point Identification

A one-character alphanumeric code that identifies where the NPA resides or the service it provides.

RAO Code

A three-character numeric code that identifies the RAO associated with the NPA.

RAO User Operating Company Number

OCN that identifies which operating company telephone company revenue accounting office is responsible for the billing of charges incurred by OTC customers.

Rate Center

A uniquely defined geographical location for which mileage measurements are determined for the application of tariffs.

Rate Center Name

The fifty-character name of the rate center as filed in the local exchange tariff.

Rate Center State Abbreviation

The two-character alphabetic state code.

Revenue Accounting Office (RAO)

An accounting center performing Revenue Accounting functions. For billing purposes it is designated by a distinctive three-digit code. See Section 5 regarding Administration.

SCC Code

A three-character numeric code that identifies the SCC Number. SCCs carry the format of RAO-0/1XX-XXX-NYYY and are listed as NXX type 14.

Send to RAO

A three-character numeric code that identifies the main RAO to which a pack is directed.

Special Purpose

A fifty-character alphanumeric field in the CNA file used as needed by the company that owns the NPA.

Special Rating Indicator

A one-character numeric code that identifies if special rates should be figured (Collect Cals, etc.).

Telephone Area Code Directory (TACD)

A listing of the names of all customer dialable points in the North American Dialing Plans and their three-digit NPA code.

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Telephone Company Name

A thirty-character name or abbreviation of the local exchange company that own the NXX or special billing number.

Telephone Number

The NPA and seven-digit telephone number to call for CNA information.

State

The two-character code for the state, province, or overseas country where the message terminates.

State or Special Purpose NPA Name

A 50-character alphanumeric code that identifies where the NPA/NXX resides or its Special Purpose (SPCCLNGCD, Special Account Code for SE).

State, Province, Country Abbreviation

A two-character alphabetic code that identifies the state, province, or country that the NAP-NXX resides in.

Telephone Exchange Code

Terminating Point Master (TPM)

A collection of data used by revenue accounting offices and service bureaus along with pertinent rate tables to rate messages.

Time Other Line

See Time Other Line Charge Rate Step.

Time Other Line Charge Rate Step

A two-character alphanumeric code that translates to a tariff rate schedule. For Mexico points, the OLRs translates to the rate table in Tariff 10 for the Mexico Other Line charges. For non-Mexico points (i.e., 809 Caribbean points) the OLRs translates to the rate schedule in Tariff 1 of the country. There is only one Canadian point that has an Other Line charge (i.e., 604-651 for Atlin, British Columbia, has a unique rate step of 59).

Time Zone

A one-character numeric code identifying any of the 8 longitudinal divisions of the North America Numbering Plan in which Standard Time is kept. Indicators used to adjust the connect hour when rating person-call-back messages are:

- 0 = Name
- 1 = Samoa
- 2 = Hawaii
- 3 = Alaska/Yukon
- 4 = Pacific
- 5 = Mountain

- 6 = Central
- 7 = Eastern
- 8 = Atlantic
- 9 = Newfoundland (Newfoundland Time is 1.5 hours
Ahead of Eastern Time Zone.)

Toll Center Code

A four-character number code identifying the Toll Center associated with the NPA.

Toll Library

See Library code.

Type of Carrier

See Carrier (Type of).

Validation Data Base Operator

A 25-character alphanumeric code that identifies the operator of the validation data base chosen by the CIID card issuer.

Vertical Coordinate (Major)

A five-character numeric code assigned to the fictional longitude of the rate center.