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Bellcore Rating Administrative Data System (BRADS) User Guide

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Prepared by Bellcore, February 1998

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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 the 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.

Rating products output by BRADS include:

- Terminating Point Master (TPM)

- Operating Telephone Company Number Plan Guide (OTCNPG)

- Telephone Area Code Directory (TACD)

Details on system outputs may be found in Sections 6 and 7 of this document.

1.2 Background

On January 1, 1984, the responsibility for providing rating data to the telecommunications industry was transferred to Bellcore.

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 11 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.

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SECTION 3: **SPECIAL CALLING CARD CODES (O/IXX)**

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 4: **REVENUE ACCOUNTING OFFICE CODE ADMINISTRATION**

References Bellcore Document SR-3582.

SECTION 5: **LATA CODE ADMINISTRATION**

Describes the procedures for LATA Code administration.

SECTION 6: **SYSTEM OUTPUTS**

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

SECTION 7: **OUTPUT SPECIFICATIONS**

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

SECTION 8: **GLOSSARY**

Provides definitions for the terms used in the document.

SECTION 9: **SELECTED TERMS AND ACRONYMS**

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

SECTION 10: **BRADS SYSTEM INPUT FORMS**

Shows sample BRADS system input forms.

SECTION 11: **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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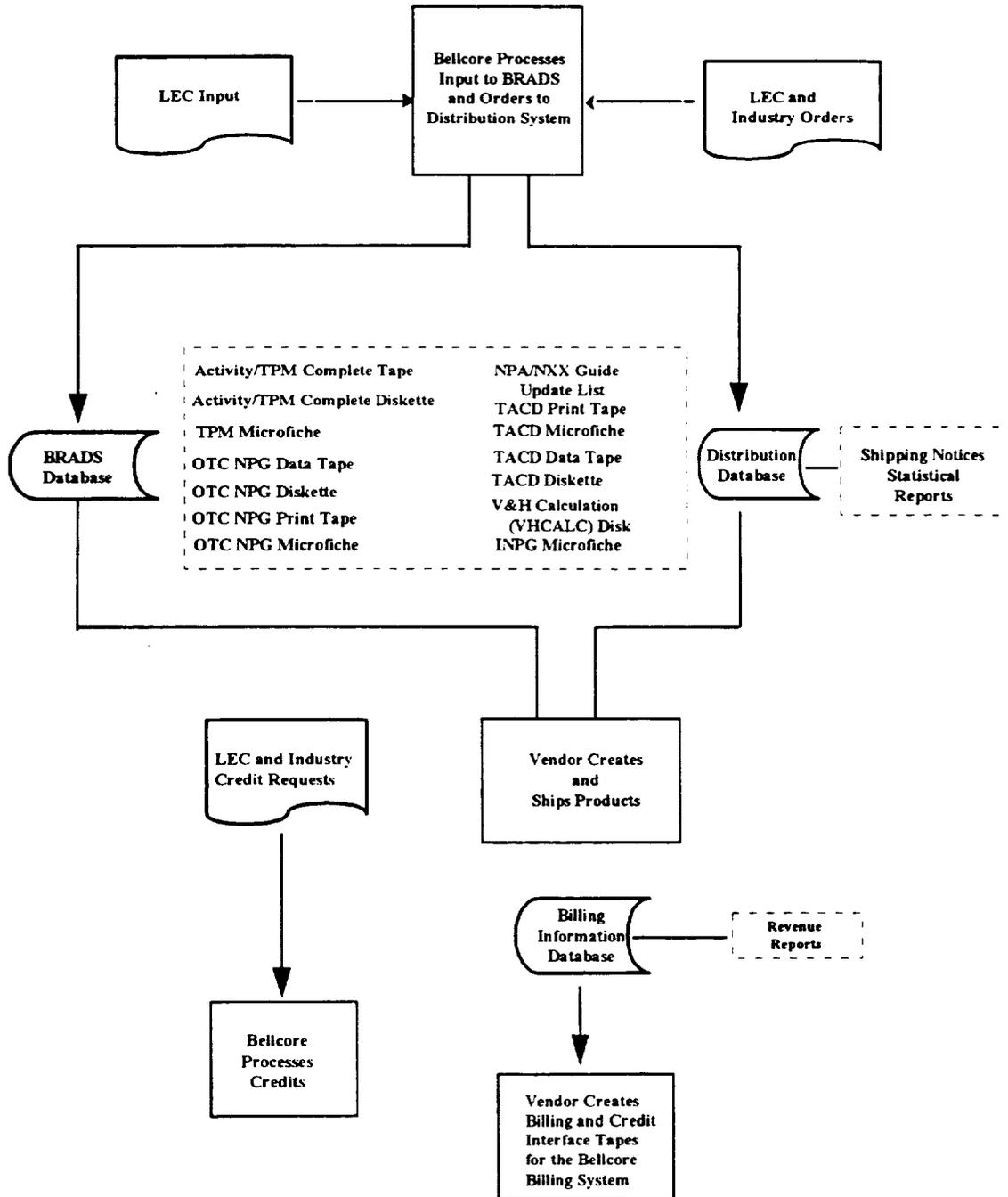
Figure 1-1. BRADS System Diagram

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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)
- 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 be submitted directly to TRA or through another work entity.

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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)

- Billing Information

- Dialing Information

- Transaction Indicators.

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

Completed forms should be sent to the TRA address below:

Bellcore
Traffic Routing Administration
6 Corporate Place
Room 1G-268
Piscataway, NJ   08854-4156

Phone: (732) 699-6700
FAX: (732) 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.
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.

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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	**Two** issues prior to effective date
All others	Issue containing effective date.

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 (732) 336-6999. TRA's contact telephone number is (732) 699-6700.

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3. SPECIAL CALLING CARD CODES (O/IXX)

3.1 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 4 of this document.

3.2 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.

3.3 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.

3.4 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.

3.5 Output

The TPM data set, BCR.TPM.Master, and OTCNPG Microfichè 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 7 for Record Descriptions of these data tapes).

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3.6 Special Calling Card Change Notification Form - TF-065

Form number TF-065 is divided into three sections. Each section provides information necessary to the maintenance of customer billing. Figures 3-1 through 3-3 show the different sections of the form. Instructions for preparing this form are provided in the following section. (*See* Section 10 for the complete form).

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BRADS
Change Notification For
Special Calling Card

TF-065
(2-98)

Company Information

NPA	State Abb.	State Name or Special Purpose NPA Name

Company Number	Company Name

Figure 3-1. Form TF-065 - Identification and Company Information Section

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Special Calling Card Change Notification Form - TF-065 (continued)

Billing Information

Transaction Indicator ☐ New ☐ Delete		Effective Date (Month-Day-Year) | | |–| | |–| | |	Type of Company | |	RAO | | | |
NXX |_|_|_|_|	**NXX Type** |1|4|	**Place Name** |S|P|E|C|C|L|N|G|C|D|		
|_|_|_|_|	|1|4|	|S|P|E|C|C|L|N|G|C|D|		
|_|_|_|_|	|1|4|	|S|P|E|C|C|L|N|G|C|D|		
|_|_|_|_|	|1|4|	|S|P|E|C|C|L|N|G|C|D|		
|_|_|_|_|	|1|4|	|S|P|E|C|C|L|N|G|C|D|		
|_|_|_|_|	|1|4|	|S|P|E|C|C|L|N|G|C|D|		
|_|_|_|_|	|1|4|	|S|P|E|C|C|L|N|G|C|D|		
|_|_|_|_|	|1|4|	|S|P|E|C|C|L|N|G|C|D|		
|_|_|_|_|	|1|4|	|S|P|E|C|C|L|N|G|C|D|		
|_|_|_|_|	|1|4|	|S|P|E|C|C|L|N|G|C|D|		
|_|_|_|_|	|1|4|	|S|P|E|C|C|L|N|G|C|D|		
|_|_|_|_|	|1|4|	|S|P|E|C|C|L|N|G|C|D|		

Figure 3-2. Form TF-065 - Billing Information and Transaction Indicator Section

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Special Calling Card Change Notification Form - TF-065 (continued)

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 3-3. Form TF-065 - Approval and Serialization Identification Section

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3.6.1 Preparing the Special Calling Card 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 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.
Company Name		A 30-character name or abbreviation of the Local Exchange Carrier who issues the special billing number.

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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 (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 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.

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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 *not* 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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4.0 REVENUE ACCOUNTING OFFICE CODE ADMINISTRATION

4.1 Reference Bellcore Document SR-3582.

See Bellcore Document SR-3582 which can be ordered by calling the Bellcore Documentation Hotline (732) 699-5800.

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5. LATA CODE ADMINISTRATION

5.1 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 Carriers 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.

5.1.1 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.

5.1.2 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).

5.1.3 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.

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5.2 Subzone Guidelines

5.2.1 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.

5.2.2 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.

5.2.3 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.

5.2.4 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.

5.2.5 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.

5.2.6 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.

5.2.7 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.

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5.2.8 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.

5.2.9 Subzone Name Change

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

5.2.10 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.

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5.3 Preparing the LATA Code Administration Form

5.3.1 Introduction

All changes involving LATAs should be reported via the LATA Code Administration form. Updates are made to the LATA Code master table which is used to edit the accuracy of the RDBS and BRADS and updates made to both systems. (See Section 10 for the complete form).

Bellcore

TF-046
(2-98)

@ Bell Communications Research

LATA Code Administration

LATA Code	LATA Name

Reporting Company	Reported By	No.

NPA's In Which LATA Is Valid

Type of Change | Effective Date

- ☐ New LATA
- ☐ New LATA With Subzones*
- ☐ Establish Subzone Split For Existing LATA*
- ☐ Change In Subzones For Existing LATA*

- ☐ Discontinue LATA
- ☐ Discontinue LATA With Subzones
- ☐ Discontinue Subzone Split For Existing LATA

*Complete LATA Subzone Section For These Changes

LATA Subzones

Subzone No. (01-98 Valid)	Subzone Name	Establish Subzone	Action Delete Subzone	Change Subzone Name

Figure 5-1. LATA Code Administration Form - TF-046

5.3.2 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.

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Preparing the LATA Code Administration Form (continued)

LATA Code	LATA Name	
Reporting Company	Reported By	No.

NPA's In Which LATA Is Valid

Type of Change | Effective Date

☐ New LATA   ☐ Discontinue LATA
☐ New LATA With Subzones*   ☐ Discontinue LATA With Subzones
☐ Establish Subzone Split For Existing LATA*   ☐ Discontinue Subzone Split For Existing LATA
☐ Change In Subzones For Existing LATA*

*Complete LATA Subzone Section For These Changes

Figure 5-2. Form TF-046 - LATA Code Information Section

(1)	LATA Code	-	Three-digit numeric code assigned to the LATA.
(2)	Reporting company	-	Name of Local Exchange Carrier 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 this LATA.

Preparing the LATA Code Administration Form (continued)

LATA Subzones

Subzone No. (01-98 Valid)	Subzone Name	Establish Subzone	Action Delete Subzone	Change Subzone Name

Figure 5-3. Form TF-046 - 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.

5.3.3 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 Room 3C-218 8 Corporate Place Piscataway, NJ 08854-4156 (732) 699-5243

5.3.4 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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6. SYSTEM OUTPUTS

6.1 Overview

BRADS generates many products (See Section 6.3 for details). Data is output to tape, diskette, microfichè, 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.

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6.2 Recipients

6.2.1 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

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6.3 Products

Descriptions of each product are provided in this section. Data tape record descriptions and microfichè layouts are provided in Section 7.

6.3.1 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
TT02	TPM Activity Tape	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 Microfichè	Monthly	BCC, IEC
TN08	OTCNPG Data Tape	Monthly	BCC,IEC
DT13	OTCNPG Diskette	Monthly	BCC, IEC
TN09	OTCNPG Print Tape	Monthly	BCC
FN10	OTCNPG Microfichè	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 Microfichè	Monthly	BCC, IEC, IC, IND
TA21	TACD Data Tape	Monthly	BCC, IEC, IC, IND
DT29	TACD Diskette	Monthly	BCC, IEC, IC, IND

6.3.2 Product Rates

Please refer to the current order form for current rates.

6.3.3 Licensing Arrangements

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

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

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6.3.4 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.

6.3.5 Shipping Method

Three shipping methods are used: first class mail, two-day carrier service, and express overnight carrier service. Microfichè 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.

6.3.6 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

6.3.7 Input Due Dates

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

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6.4 Ordering Procedures

6.4.1 The Order Form

There is now only **one** order form: The **Traffic Routing Administration ORDER REQUEST FORM (#9801)**. This form is provided with **THE TRAFFIC ROUTING ADMINISTRATION CATALOG OF PRODUCTS AND SERVICES** - SR-4275.

Figures 6-1 and 6-2 depict the front and back of the order form. (Not available with BRADS electronic distribution).

6.4.2 Placing Orders

To request a catalog and order form, please contact:

> Bellcore
> Traffic Routing Administration
> Room 1G-268
> 8 Corporate Place
> Piscataway, NJ   08854-4156
> (732) 699-6700

6.4.3 Processing Order Forms

Order forms are entered for product distribution on receipt *if completely filled out and signed.* Otherwise, the improperly completed 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 requested otherwise on the order form.

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6.5 Product Descriptions

6.5.1 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 7 for complete file and record descriptions including depiction of microfichè:

- **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 Activity Tape - TT02**

  An activity tape containing only NPA/NXX combinations that are new or have been changed since last month's complete master tape.

- **TPM Microfichè - FT04**

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

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6.5.2 Operating Telephone Company Numbering Plan Guide (OTCNPG)

- **OTCNPG Data Tape - TN08**

  The Operating Telephone Company Numbering Plan Guide (OTCNPG) contains all the same NPA/NXX codes and applicable data as the TPM. It also contains minor V&H Coordinates and Local Exchange Carrier 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 7 for complete file and record descriptions including depiction of microfichè.

- **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.

- **OTCNPG Microfichè - FN10**

  Contains same information as the OTCNPG data tape and is output to fichè.

6.5.3 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 7 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 Microfichè - FA20**

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

- **TACD Print Tape - TA19**

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

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6.5.4 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 Carrier 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 7 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, 1.44MB 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 OTCNPG database from Saturday through Friday. Output is to paper.

6.5.5 Industry Numbering Plan Guide

- **INPG Microfichè - FG11**

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

6.5.6 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.

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Bellcore
Bell Communications Research

ORDER REQUEST FORM

FORM # 980

TRAFFIC ROUTING ADMINISTRATION
6 CORPORATE PLACE, PYA-1G268
PISCATAWAY, NJ 08854-4157

PHONE: 732-699-6700
FAX: 732-336-6999

PURCHASE
ORDER NO.:_____

Ship to:
Please type or print clearly

Name _____
Company _____
Address _____

City	St.	Zip

Phone _____
Fax _____

Primary User Contact:
(Assumed same as Ship To unless indicated below)

Name _____
Company _____
Address _____

City	St.	Zip

Phone _____
Fax _____

Bill To: ❑ Same as Shipped To

Name _____
Company _____
Address _____

City	St.	Zip

Phone _____
Fax _____

❑ New   ❑ Change   ❑ Renew   Subscription Start Month_____

MEDIA	ITEM NUMBER	FREQUENCY	ITEM DESCRIPTION	QUANTITY	PRICE	TOTAL *

SUB TOTAL

*Arizona, California, Canada, Colorado, Connecticut, DC, Florida, Georgia, Illinois, Maryland, Massachusetts, New Jersey, North Carolina, Pennsylvania, Texas, and Washington.

*SALES TAX

**OVERNIGHT CHARGE

TOTAL ENCLOSED

PAYMENT METHOD

❑ Payment Enclosed   ❑ AMERICAN EXPRESS   ❑ MASTER CARD   ❑ VISA

CARD # _____   EXP. DATE _____

Make enclosed payments payable in U.S. dollars to BELLCORE-TRA. Mail Order Request Form and check to:
Bell Communications Research, Inc., P. O. Box 18176, Newark, NJ 07191

NOTES: ▪ 1. See Terms and Conditions on reverse side of form. ▪2. Cancellation: notify TRA **30 days** prior to product delivery.

Signature of Ship To Addressee	Signature of Primary User Contact	Signature of Bill To Addressee
Date	Date	Date

BY SIGNING THE CUSTOMER AGREES TO THE TERMS AND CONDITIONS ON THE REVERSE SIDE OF THIS FORM.
***A SIGNATURE IS REQUIRED FOR EACH ADDRESSEE . AN UNSIGNED ORDER FORM WILL NOT BE PROCESSED.

THE CPUs ON WHICH THE TAPES ORDERED ABOVE ARE TO BE USED MUST BE IDENTIFIED BELOW:

LOCATION (Building, City, State)	Total No. of CPUs	Serial No(s). (Use separate page if necessary
	Type	

This section is for BELLCORE TRA use only.

APPROVAL NO.	DATE	AMOUNT
Received By	Date Received	Date Entered	Customer No.

Figure 6-1.   TRA Order Request Form (Front)

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TERMS AND CONDITIONS

1.0 GENERAL

1.1 All products furnished to Customer are copyrighted by Bell Communication Research, Inc. (Bellcore) which retains title to intellectual property 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 in part, or used or made available for use by third persons, including clients, subsidiaries or affiliates of Customer. If the product is provided via diskette, CD-ROM, tape or NDM Sections 1.2 (b), (c) and (d) shall apply.

(b) Each product furnished hereunder is licensed for use solely on a single central processing unit (such as mainframe, mini, desktop, laptop or other computer of Customer's own internal business operations and is not to be copied, in whole or in 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 amount 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. **Customers shall destroy any product no longer being used. Do not return to Bellcore.**

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 and Frequencies marked as PREPAID must be accompanied by payment in full.
Make all checks payable (U.S. dollars) to BELLCORE-TRA. Mail Order Request Form and check to:
Bell Communications Research, Inc., P. O. Box 18176, Newark, NJ 07191

2.2 Orders which do not require prepayment may be prepaid at the option of the Customer. If prepayment does not apply and 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 (or 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 Pricing in the catalog does not include **state and local tax.** Customer shall add all tax amounts and include them in its payments to Bellcore. Customers located in the following states **shall include** applicable state and local taxes: Arizona, California, Canada, Colorado, Connecticut, District of Columbia, Florida, Georgia, Illinois, Maryland, Massachusetts, New Jersey, North Carolina, Pennsylvania, Texas, and Washington.

2.4 Cancellation - If payment is not received within 45 days of the bill's date, the order will be cancelled without notice and subsequent products will not be sent. If the Customer wishes to renew distribution, payment of past due amounts 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 re-elect to be billed monthly as long as payment is received in a timely manner.

2.5 Refunds are not provided for prepaid products. Notify TRA in writing, thirty (30) days in advance to cancel product delivery.

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 Communication relating to subject matter hereof shall be addressed to: BELLCORE Traffic Routing Administration,
6 Corporate Place, Room PYA-1G268
Piscataway, NJ 08854-4157
Phone 732 699-6700   Fax 732 336-6999

Figure 6-2. TRA Order Request Form (Back)

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LIST OF FIGURES

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7. OUTPUT SPECIFICATIONS

7.1 Terminating Point Master Vertical & Horizontal Coordinates Data (TPM-VHCD)

7.1.1 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 3.5 inch, 1.44 MB floppy disk.

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

7.1.2 Tape and Diskette Format

Tape Information	Diskette Information
Standard IBM labeled tape	DOS formatted
9 Track, 1600 BPI	1.44 MB, 3.5" floppy
EBCDIC recording	ASCII
Volser = TPmmyy (mmyy is the product date)	Two diskette set is provided in compressed format. See READTP.ME for instructions.
External label contains the volser and product date matching the internal HDR and VOL label.	

Note: Products are shipped (and should be received) approximately 2-3 weeks before the "product" date.

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7.1.3 TPM File Description

Tape Data Set Name	Tape BLKSIZE	LRECL	Diskette Filename	General Description
BCR.COPY.RIGHT	4000	80	COPYRIGHT.DAT	Copyright Notice
BCR.TPM.MASTER	4000	80	TPM.DAT	Complete NPA/NXX data
or				
BCR.TPM.ACTVTY	4000	80	TPMACT.DAT	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
BCR.GLOSSARY.TXT	4000	80	GLOSSARY.TXT	Glossary of field definitions
			SEARCH.EXE	Data isolation program
			READMETP.TXT	Diskette information
			SCAN.EXE	Data viewing program
			SCANXTR.EXE	Initializes scan
			READSCAN.TXT	Describes scan
			READ_ME.EXE	Alternative to view "READ.ME(s)"
			COUNTREC.EXE	Counts lines in a file
			GLOSSARY.DOC	Word version of Glossary
			SPECSTP.DOC	Word version of SPECSTP

7.1.4 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.

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

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7.1.5 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.

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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 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 (Last 2 digits of OCN)	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

---

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

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

FIELD DESCRIPTION	LENGTH	POSITION	TYPE

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 three 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.

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

FIELD DESCRIPTION	LENGTH	POSITION	TYPE

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 Carrier 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 Carrier 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.

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

FIELD DESCRIPTION	LENGTH	POSITION	TYPE

62 = Mobile (NXX Type R). Service Provider requests SELECTIVE Local Exchange Carrier 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 Carrier 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 LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.

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

FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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

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

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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 four-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 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 = Northern Mariana/Guam 2 = Hawaii 3 = Alaska/Yukon 4 = Pacific 5 = Mountain 6 = Central 7 = Eastern 8 = Atlantic 9 = Newfoundland (one and one-half hours ahead of Eastern Time)	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	2	70-71	A
26.	Effective Date of Change (MMDDYY)	6	72-77	N

---

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

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

FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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 (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

FIELD DESCRIPTION	LENGTH	POSITION	TYPE
28. Company Type	1	79	N

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 Carrier
(CLEC)
8 = PCS Service Provider
9 = Service Provider (MISC SVC)

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

FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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
5	=	Mexican Point
6	=	Hawaiian Point
7	=	International Terminating Point
9	=	900 Service
B	=	Personal Communications Service (PCS)
C	=	Northern Mariana/Guam

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Terminating Point Master
Record Name

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

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

Figure 7-1. Terminating Point Master Record Layout

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7.1.6 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.

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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	1	13	A/N

(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

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
6.	Effective Date of Change (MMDDYY)	6	14-19	N
7.	Operating Company Number	4	20-23	A/N

0000 = Unknown/Not Applicable
9999 = Shared

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
8.	Reserved for Future Use	7	24-30	A/N

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Special Calling Card
Record Name

Position	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 7-2. Special Calling Card Record Layout

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7.1.7 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.

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
1.	Operating Company Number	4	1-4	A/N
2.	Company Name	30	5-34	A/N
3.	Change Code (Blank) = No Change C = Change in Company Name D = Deletion N = New	1	35	A/N
4.	Company Type	1	36	A/N
5.	Bill To RAO	3	37-39	A/N
6	Send To RAO	3	40-42	A/N

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Operating Company Number Reference File
Record Name

Position	Field Description	Char.	No.
1 2 3 4	Operating Company Number	A/N	4
5 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	Company Name	A/N	30
35	Change Code	A/N	1
36	Company Type	A/N	1
37 38 39	Bill To RAO	A/N	3
40 41 42	Send To RAO	A/N	3

Figure 7-3. Operating Company Number Reference File Record Layout

7.1.8 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.

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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)	25	156-158	A/N

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	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
13.	Validation Data Base Operator Operator of the validation data base chosen by the Card Issuer	25	159-183	A/N
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	1	256	A/N

     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

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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	A/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 7-4. Card Issuer Identifier Record Layout

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7.1.9 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.

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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	2	38-39	N

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

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FIELD DESCRIPTION	LENGTH	POSITION	TYPE

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 three 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.

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FIELD DESCRIPTION	LENGTH	POSITION	TYPE

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
Carrier 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
Carrier 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.

FIELD DESCRIPTION	LENGTH	POSITION	TYPE

62 = Mobile (NXX Type R). Service Provider requests SELECTIVE Local Exchange Carrier 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 Carrier 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 LATAwide 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

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	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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. Unknown or not applicable is indicated by 0000. For NXX data, if Company Type is 2, this is a zero followed by a three-digit Carrier Identification Code (CIC) or a four-digit CIC.	4	50-53	A/N
20.	Bill to RAO 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 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 = Northern Mariana/Guam 2 = Hawaii 3 = Alaska/Yukon 4 = Pacific 5 = Mountain 6 = Central 7 = Eastern 8 = Atlantic 9 = Newfoundland (one and one-half hours ahead 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

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FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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 Carrier
             (CLEC)
    8   =   PCS Service Provider
    9   =   Service Provider (MISC SVC)

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FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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
5	=	Mexican Point
6	=	Hawaiian Point
7	=	International Terminating Point
9	=	900 Service
B	=	Personal Communication Service (PCS)
C	=	Northern Mariana/Guam

FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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).

Position	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 7-5. Minor Vertical & Horizontal NXXs Record Layout

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7.2 Operating Telephone Company Numbering Plan Guide (OTCNPG)

7.2.1 General

The OTCNPG data tape is a multiple data set, single-volume magnetic tape. The OTCNPG data diskette is a 3.5 inch, 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.

7.2.2 Tape and Diskette Format

Tape Information	Diskette Information
Standard IBM labeled tape	DOS formatted
9 Track, 1600 BPI	1.44 MB, 3.5" floppy
EBCDIC recording	ASCII
Volser = DDmmyy (mmyy is the product date)	
External label contains the volser and product date matching the internal HDR and VOL label.	

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

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7.2.3 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	NUMBRTLB.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

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

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7.2.4 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.

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

7.2.5 Data Set BCR.NUMBER.NPA

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

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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 = Northern Mariana/Guam 2 = Hawaii 3 = Alaska/Yukon 4 = Pacific 5 = Mountain 6 = Central 7 = Eastern 8 = Atlantic 9 = Newfoundland (one and one-half hours ahead 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

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NPA Unit
Record Name

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

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

Figure 7-6. NPA Unit Record Layout

7.2.6 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.

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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 three 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

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FIELD DESCRIPTION	LENGTH	POSITION	TYPE

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
Carrier 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.

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FIELD DESCRIPTION	LENGTH	POSITION	TYPE

61 = Paging (NXX Type B). Service Provider requests SELECTIVE Local Exchange Carrier 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 Carrier 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 Carrier 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 LATAwide basis. IntraLATA toll calls originating from LEC landline subscribers are billed to the Service Provider as specified by state tariffs.

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FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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. 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 = Observed	1	24	N

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

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	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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

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FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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
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

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NXX
Record Name

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

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

Figure 7-7. NXX Record Layout

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7.2.7 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.

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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 0 = No (none)* 1 = Yes (information follows)	1	88	A/N
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

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Customer Name and Address
Record

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

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

Figure 7-8. Customer Name and Address Record Layout

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7.2.8 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.

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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

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Business Office Record
Record Name

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

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

Figure 7-9. Business Office Record Layout

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7.2.9 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.

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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* 0 = No Change of Address 1 = Change of Address	1	162	N
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

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

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

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RAO Directory
Record Name

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

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

Figure 7-10. RAO Directory Record Layout

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7.2.10 Data Set BCR.NUMBER.TLIB and Dos File NUMBRTLB.DAT - Toll Library Directory

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

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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

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

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Toll Library Directory
Record Name

Pos.	Field Description	Char.	No.
1 2	Library Code	A/N	2
3 - - - - - 12	Telephone Number	A/N	10
13 14 15 16	Business Start Time	A/N	4
17 18 19 20	Business End Time	A/N	4
21	Daylight Savings Indicator	N	1
22	Time Zone	A/N	1
23 24	Reserved For Future Use	A/N	2
25 - - 64	Address Line 1	A/N	40
65 - - 104	Address Line 2	A/N	40
105 - - 144	Address Line 3	A/N	40
145 - - 184	Address Line 4	A/N	40

Pos.	Field Description	Char.	No.
185 - - 224	Address Line 5	A/N	40
225 - - - - - - - - - - - - 324	RAOs Served	A/N	100
325 - - - - - - - - - - - - - - - - - 449	Notes	A/N	125
450	Message Detail Indicator	N	1

Figure 7-11. Toll Library Directory Record Layout

7.2.11 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.

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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

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Special Calling Card
Record Name

Position	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 7-12. Special Calling Card Record Layout

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7.2.12 Data Set BCR.NUMBER.OCN and DOS File NUMBROCN.DAT - Operating Company Reference File

This data set contains the Operating Company Number and Names.

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
1.	Operating Company Number	4	1-4	A/N
2.	Company Name	30	5-34	A/N
3.	Change Code	1	35	A/N
4.	Company Type	1	36	A/N
5.	Bill To RAO	3	37-39	A/N
6.	Send To RAO	3	40-42	A/N

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Operating Company Reference File
Record Name

Position	Field Description	Char.	No.
1 2 3 4	Operating Company Number	A/N	4
5 - - - - - - - - - - - - - - - - 34	Company Name	A/N	30
35	Change Code	A/N	1
36	Company Type	A/N	1
37 38 39	Bill TO RAO	A/N	3
40 41 42	Send TO RAO	A/N	3

Figure 7-13. Operating Company Reference File Record Layout

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7.2.13 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.

	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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

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	FIELD DESCRIPTION	LENGTH	POSITION	TYPE
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	1	256	A/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

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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 - - - 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 - - - - 255	Effective Date Of Change (MMDDYY)	N	6
256	Change Code	A/N	1

Figure 7-14. Card Issuer Identifier Record Layout

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7.3 Telephone Area Code Directory (TACD) Tape

7.3.1 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 3.5", 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.

7.3.2 TACD Data

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

7.3.3 Data Set BCR.TACD.DATA

	FIELD DESCRIPTION	COLUMNS	TYPE	REMARK
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	

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7.3.4 Data Set BCR.TACDCN.DATA

	FIELD DESCRIPTION	COLUMNS	TYPE	REMARK
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	

7.3.5 Data Set BCR.FUT.DATA

	FIELD DESCRIPTION	COLUMNS	TYPE	REMARK
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	

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TACD Record Layout
Record Name

Position	Field Description	Char.	No.
1 - - - - - - - - - - - 50	State/Province Name	A/N	50
51 - - - - - - - - - - - 100	Rate Center/Locality	A/N	50
101 102 103	NPA	N	3
104 105 106	NPA	N	3

Figure 7-15. TACD Record Layout

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TACD Record Layout
Record Name

Position	Field Description	Char.	No.
1 - - - - - - - - - - - 50	State/Province Name	A/N	50
51 - - - - - - - - - - - 100	Rate Center/Locality	A/N	50
101 102 103	NPA	N	3
104 105 106	NPA	N	3

Figure 7-16. TACD Record Layout

TACD Record Layout
Record Name

Position	Field Description	Char.	No.
1 - - - - - - - - - - - - 50	State/Province Name	A/N	50
51 - - - - - - - - - - 100	Rate Center/Locality	A/N	50
101 102 103	NPA	N	3
104 - - 109	Effective Date	N	6
110 111 112	NPA	N	3

Figure 7-17. TACD Record Layout

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7.4 Terminating Point Master Microfichè

A sample copy of the microfichè is shown in Figure 7-18. 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 three 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.

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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 Carrier
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 Carrier
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 Carrier
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 Carrier
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

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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 LATAwide 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 Carrier (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 can*not* be dialed by customer.
    Y = NXX can be dialed by customer.

12. RAO

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

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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

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TERMINATING POINT MASTER

NPA	NXX	TY	PLACE NAME	STATE	ACT NPA	COMP CODE	CI	COORDINATES VERT	HORZ	IDD	DI	RAO	SEND TO	OCN	TZ	DL	OLRS	PI	SRI	LATA	SB 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		4/15/90
215	234	00	GREEN LANE	PA	000	08	0	05212	01551	Y	Y	043		9208	7	Y	00	0	0	228	00		4/15/90
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

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |

Figure 7-18. Terminating Point Master Microfichè

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7.5 Operating Telephone Company Numbering Plan Guide Microfichè

A sample copy of the microfichè is shown in Figure 7-19. 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 three 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.

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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 Carrier
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 Carrier
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 Carrier
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 Carrier
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 LATAwide 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 Carrier (CLEC)
   8 = PCS Service Provider
   9 = Service Provider (Misc SVC)

4. Customer Dialable Indicator (DI)
   N = NXX can*not* be dialed
   Y = NXX can be dialed.

5. IDDD Capability (IDD)
   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 fichè then the actual state code for the place is shown in parentheses.

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

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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.

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| SECTION 30 | OPERATING TELEPHONE COMPANY NUMBERING PLAN GUIDE | | | | | | | | | | | | | | | | | | | |
| NPA 313 MICHIGAN | | | | | | NXX INFORMATION | | | | | | | | | | | MICHIGAN NPA 313 | | | |

| NXX | TY | CI | DI | IDD | DL | TZ | PLACE NAME | (ST EX) | BUS OFF | COORDINATES | | | | RAO | LATA | SB ZN | OCN | EFFECT DATE | LOCALITY | (ST EX) |
										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		LAKEWOOD		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		

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |

Figure 7-19. Operating Telephone Company Numbering Plan Guide Microfichè

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Table 7-1. State Code Table

Canadian Provinces and Territories	Location	Code
	Alberta	AB
	British Columbia	BC
	Manitoba	MB
	New Brunswick	NB
	Newfoundland	NF
	Northwest Territory	NT
	Nova Scotia	NS
	Ontario	ON
	Prince Edward Island	PE
	Quebec	PQ
	Saskatchewan	SK
	Yukon Territory	YT
	Mexican States	MX

Islands	Location	Code
	Anquilla	AI
	Antigua	AN
	Bahamas, The	BA
	Barbados	BD
	Bermuda	BM
	British Virgin Islands	BV
	Cayman Islands	CQ
	Dominica	DM
	Dominican Republic	DR
	Grenada	GN
	Guam	GU
	Jamaica	JM
	Midway Islands	MY
	Montserrat	RT
	Nevis	NI
	Nonavut Territory	VU
	Northern Mariana	NN
	Puerto Rico	PR
	St. Kitts	KI
	St. Lucia	SA
	St. Vincent	ZF
	Trinidad + Tobago	TR
	Turks & Caicos	TC
	United States Virgin Islands	VI
	Wake Island	WK

United States		
	Alabama	AL
	Alaska	AK
	Arizona	AZ

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Table7-1. State Code Table (continued)

United States (continued)	Location	Code
	Arkansas	AR
	California	CA
	Colorado	CO
	Connecticut	CT
	Delaware	DE
	District of Columbia	DC
	Florida	FL
	Georgia	GA
	Hawaii	HI
	Idaho	ID
	Illinois	IL
	Indiana	IN
	Iowa	IA
	Kansas	KS
	Kentucky	KY
	Louisiana	LA
	Maine	ME
	Maryland	MD
	Massachusetts	MA
	Michigan	MI
	Minnesota	MN
	Mississippi	MS
	Missouri	MO
	Montana	MT
	Nebraska	NE
	Nevada	NV
	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 7-2. 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, DC
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

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Table 7-2. Common Language BOC LATA Codes Table (continued)

336	Indianapolis, Indiana
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

Table 7-2. Common Language BOC LATA Codes Table (continued)

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
630	Sioux City, Iowa
632	Des Moines, Iowa

Table 7-2. Common Language BOC LATA Codes Table (continued)

634	Davenport, Iowa
635	Cedar Rapids, Iowa
636	Brainerd-Fargo, North Dakota
638	Bismarck, 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
838	Mexico
850	Ontario, Quebec, Alberta

Table 7-2. Common Language BOC LATA Codes Table (continued)

851	Ontario
864	Overseas
881	Alberta
882	British Columbia
883	Quebec
884	Alberta
885	Newfoundland
886	British Columbia
887	Nova Scotia Prince Edward Island
888	Manitoba .
889	Nova Scotia Prince Edward Island
890	New Brunswick
891	Saskatchewan
892	Alberta, Yukon Territory
920	Connecticut
921	Fishers Island, New York
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	Tallahassee, 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
999	Reserved for Services, i.e., 800, 900

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Table 7-3. 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 Toll Center
	460/	Southeast, Florida
305	17	Ojus (Golden Glades Access Tandem)
407	18	West Palm Beach Access Tandem

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CONTENTS

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8. 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.

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Billing Agent/Host RAO Code

A three-character numeric code that identifies the CIID CMDS Host. If this field contains zeros, there is not 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.

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 assigned 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.

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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 Carrier
        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 7 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.

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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

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.

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Dialable Indicator

A one-character numeric code. A zero (0) indicates that the NXX is not dialable by the customer, and one (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.

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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.)

Maximum Billing Range Number

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

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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.

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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 three 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 Carrier IntraLATA Special Billing Option

61 = Paging (NXX Type B). Service Provider requests SELECTIVE Local Exchange Carrier IntraLATA Special Billing Option.

62 = Mobile (NXX Type R). Service Provider requests SELECTIVE Local Exchange Carrier IntraLATA Special Billing Option.

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

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

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.)

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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.

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Rate Center Name

The 50-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 4 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 50-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 Calls, 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.

Telephone Company Name

A 30-character name or abbreviation of the Local Exchange Carrier that owns the NXX or special billing number.

Telephone Number

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

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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 NPA/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).

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Time Zone

A one-character numeric code identifying any of the eight (8) longitudinal divisions of the North American 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	=	Northern Mariana/Guam
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.

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CONTENTS

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9. SELECTED TERMS AND ACRONYMS

BCC	Bellcore Client Company
BO	Business Office
BRADS	Bellcore Rating Administrative Data System
BRIDS	Bellcore Rating Input Database System
CATS	Calling Card and Third Number Settlements
CIC	Carrier Identification Code
CIID	Card Issuer Identifier
CMDS	Centralized Message Distribution System
CNA	Customer Name and Address (Bureau)
IC	Interexchange Carrier
IDDD	International Direct Distance Dialing
IEC	Independent Exchange Carrier
INPG	Industry Numbering Plan Guide
ITPM	International Terminating Point Master
LATA	Local Access and Transport Area
LEC	Local Exchange Carrier
LERG	Local Exchange Routing Guide
MIC	Message Investigation Center
NECA	National Exchange Carrier Association
NPA	Number Plan Area
NXX	Number (Prefix)
OCN	Operating Company Number
OTCNPG	Operating Telephone Company Number Plan Guide
RAO	Revenue Accounting Office
RDBS	Routing Data Base System
SMSA	Standard Metropolitan Statistical Area
TACD	Telephone Area Code Directory
TPM	Terminating Point Master
TRA	Traffic Routing Administration

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10. BRADS SYSTEM INPUT FORMS

TITLE	No.
LATA Code Administration	TF-046
RAO Administration	TF-049
BRADS Change Notification For Billing Only NXX	TF-060
BRADS Change Notification For Billing And Operator Information	TF-061
BRADS Change Notification For Customer Name And Address Bureau	TF-062
BRADS Change Notification For Business Office - Business Accounts	TF-064
BRADS Change Notification For Special Calling Card	TF-065

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LATA Code Administration

LATA Code	LATA Name	
Reporting Company	Reported By	Tel. No.

NPA's In Which LATA Is Valid

Type of Change   **Effective Date**

☐ New LATA   ☐ Discontinue LATA
☐ New LATA With Subzones*   ☐ Discontinue LATA With Subzones
☐ Establish Subzone Split For Existing LATA*   ☐ Discontinue Subzone Split For Existing LATA
☐ Change In Subzones For Existing LATA*

*Complete LATA Subzone Section For These Changes

LATA Subzones

Subzone No. (01-98 Valid)	Subzone Name	Establish Subzone	Action Delete Subzone	Change Subzone Name

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RAO Administration

RAO No.	Type		Settlement State	Send To	Owner		Effective Date	NPA
	RAO	Owner			O C N			

Owner Information

☐ **Change of Address**

Name

-----------------------------Client's OCN-----------------------------

Contact

PO Box   **PO Box Zip code**

Street

City   **State**   **Street Zip Code**

Telephone Number For

Toll Library	MIC Bureau	Calling Card
Collect Ticket	MIC Fraud	☐ Invalid for Calling Card

Miscellaneous Services Offered By This RAO

Description 1   **Tel. No.**

Description 2   **Tel. No.**

Notes

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BRADS
Change Notification For
Billing Only NXX

TF-0o0
(2-98)

Company Information

NPA	State Abb.	State Name or Special Purpose NPA Name

Company Number	Company Name

Billing Information

Transaction Indicator	Effective Date (Month-Day-Year)	Type of Company	RAO
☐ New ☐ Delete	| | | – | | | – | | |		

NXX	NXX Type	Place Name
	|1|7|	|B|I|L|L|I|N|G|N|X|X|
	|1|7|	|B|I|L|L|I|N|G|N|X|X|
	|1|7|	|B|I|L|L|I|N|G|N|X|X|
	|1|7|	|B|I|L|L|I|N|G|N|X|X|
	|1|7|	|B|I|L|L|I|N|G|N|X|X|
	|1|7|	|B|I|L|L|I|N|G|N|X|X|
	|1|7|	|B|I|L|L|I|N|G|N|X|X|
	|1|7|	|B|I|L|L|I|N|G|N|X|X|
	|1|7|	|B|I|L|L|I|N|G|N|X|X|
	|1|7|	|B|I|L|L|I|N|G|N|X|X|
	|1|7|	|B|I|L|L|I|N|G|N|X|X|
	|1|7|	|B|I|L|L|I|N|G|N|X|X|

Approval/Identification	Serial No.	State	No.

	Name	Title
Prepared By		
	Tel. No. Date (MMDDYY)	Department
Reviewed By	Name	Title
	Tel. No. Date (MMDDYY)	Department
Authorized By	Name	Title
	Tel. No. Date (MMDDYY)	Department

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BRADS

Change Notification For
Billing And Operator
Information

TF-001
(2-98)

Company Information

NPA	State Abb.	State Name or Special Purpose NPA Name

Company Number	Company Name

Billing Information

Transaction Indicator
☐ Change ☐ New ☐ Delete

Effective Date (Month-Day-Year)
| | | – | | | – | | |

NXX	NXX Type	IDDD	Dialable	Daylight Savings
		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

Non Dialable NPA	RAO	CNA	Bus. Off.	LATA	Sub Zone	Time Zone	Type of Company

Place Name Coordinates	Major Vertical	Major Horizontal	Minor Vertical	Minor Horizontal

Place Name

Place (Cont.)	State Abb.

Locality Name

Loc. (Cont.)	State Abb.

Rate Center Name

R C (Cont.)	State Abb.	New Rate Center
		☐ Yes ☐ No

Operator Information

Mark Sense	Numbers

Approval/Identification	Serial No.	State	No.

	Name	Title
Prepared By	Tel. No. | | | – | | | – | | |	Date (MMDDYY) / Department
	Name	Title
Reviewed By	Tel. No. | | | – | | | – | | |	Date (MMDDYY) / Department
	Name	Title
Authorized By	Tel. No. | | | – | | | – | | |	Date (MMDDYY) / Department

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BRADS

Change Notification For
Customer Name And
Address Bureau

Company Information

NPA	State Abb.	State Name or Special Purpose NPA Name

Company Number	Company Name

CNA Information

Transaction Indicator

☐ Change ☐ New ☐ Delete

Effective Date (Month-Day-Year)

CNA Information Available

☐ Yes ☐ No

CNA Name

Street Address (Line 1)

Street Address (Line 2)

Street Address (Line 3)

City Name

State Abbreviation

Zip Code

CNA Tel. No.

Notes

Approval/Identification	Serial No.	State	No.

	Name		Title
Prepared By			
	Tel. No.	Date (MMDDYY)	Department
Reviewed By	Name		Title
	Tel. No.	Date (MMDDYY)	Department
Authorized By	Name		Title
	Tel. No.	Date (MMDDYY)	Department

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BRADS

Change Notification For
Business Office –
Business Accounts

TF-004
(2-98)

Company Information

NPA	State Abb.	State Name or Special Purpose NPA Name

Company Number	Company Name

Business Office Information

Bus. Off. Code	Transaction Indicator	Effective Date (Month-Day-Year)
	☐ Change ☐ New ☐ Delete	

Business Billing Account

Street Address (Line 1)

Street Address (Line 2)

City Name

State Abbreviation	Zip Code	Bus. Off. Tel.

Business Orders Account

Street Address (Line 1)

Street Address (Line 2)

City Name

State Abbreviation	Zip Code	Bus. Off. Tel.

Other Business Account

Street Address (Line 1)

Street Address (Line 2)

City Name

State Abbreviation	Zip Code	Bus. Off. Tel.

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

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Bellcore

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BRADS

Change Notification For
Special Calling Card

Company Information

NPA	State Abb.	State Name or Special Purpose NPA Name

Company Number	Company Name

Billing Information

Transaction Indicator		Effective Date (Month-Day-Year)	Type of Company	RAO
☐ New ☐ Delete		| | | - | | | - | | |	| |	| | |

NXX	NXX Type	Place Name
| | | |	|1|4|	|S|P|E|C|C|L|N|G|C|D|
| | | |	|1|4|	|S|P|E|C|C|L|N|G|C|D|
| | | |	|1|4|	|S|P|E|C|C|L|N|G|C|D|
| | | |	|1|4|	|S|P|E|C|C|L|N|G|C|D|
| | | |	|1|4|	|S|P|E|C|C|L|N|G|C|D|
| | | |	|1|4|	|S|P|E|C|C|L|N|G|C|D|
| | | |	|1|4|	|S|P|E|C|C|L|N|G|C|D|
| | | |	|1|4|	|S|P|E|C|C|L|N|G|C|D|
| | | |	|1|4|	|S|P|E|C|C|L|N|G|C|D|
| | | |	|1|4|	|S|P|E|C|C|L|N|G|C|D|
| | | |	|1|4|	|S|P|E|C|C|L|N|G|C|D|
| | | |	|1|4|	|S|P|E|C|C|L|N|G|C|D|

Approval/Identification	Serial No.	State	No.
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	Tel. No. | | | - | | | - | | | |	Date (MMDDYY)	Department
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11. THE BRIDS INPUT MODULE

This section introduces the Bellcore Rating Input Database System (BRIDS) and provides ordering information for the *BRIDS User Manual*.

11.1 Overview of the BRIDS Module

BRIDS is a component of a more extensive Bellcore database environment called the Bellcore Interactive Rating and Routing Database System (BIRRDS). In addition to BRIDS, BIRRDS includes, 1) the Routing DataBase System (RDBS), which is used to provide the telecommunications industry with a centralized, consistent, and common source for local network call routing information, and 2) the LIDB (Line Information DataBase) Access Support System (LASS), which provides routing information for the verification of both calling card calls and bill number screening parameters. RDBS is the database from which the Local Exchange Routing Guide (LERG) and several other Bellcore Traffic Routing Administration (TRA) products are generated. The LASS system is the source database for the LIDB Access Routing Guide (LARG).

Similar to RDBS and LASS, BRIDS serves as a source database for call rating information. BRIDS is the source for such Bellcore products as the V&H Coordinates Data, Terminating Point Master (TPM), and the Operating Telephone Company Numbering Plan Guide (OTCNPG). It replaces the Bellcore Rating Administrative Database System (BRADS) that has been used by Bellcore since 1984. The transition from BRADS to BRIDS does not have any impact on the format and basic content of the various products. A few field values (e.g., spelling of a company's name) have initially changed as a result of the transition. These changes stem from, 1) a general clean-up effort of the data, 2) clarification of field purpose and values as a result of the development effort, and 3) consistency with related data appearing in RDBS and/or LASS.

BRIDS also provides users (data providers) with on-line, real-time access to the data--an option not available with BRADS. By having direct user input to the system, BRIDS reduces the potential of data errors generated by the extended paper flow and human involvement that occurred in the BRADS environment.

BRIDS is viewed as a dynamic database. Changes to data elements and values will occur in response to the industry. Continued overview of the database components of BIRRDS (BRIDS, RDBS, and LASS) will lead to further consolidation of data cross-database checks, data retrievals, etc.

11.2 How to Get the BRIDS User Manual

The BRIDS user manual has been prepared as a reference for on-line access to, and updating of, the BRIDS database. This document is not intended as a programmer manual or operations manual. References, procedures, and definitions of data elements are intended to provide a basis of understanding; however, they should not be considered complete, accepted as industry standard, or used to define or propose a particular company's process or interpretation. This manual will be modified and reissued as needed.

To obtain a copy of the user manual, call Traffic Routing Administration (TRA) on
(732) 699-6700.

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