



Telcordia® Routing Administration Fair Share Plan

Table of Contents:

1. Introduction
 2. Telcordia® Routing Administration
 3. Business Integrated Routing & Rating Database System (BIRRDs):
 4. Fair Share Plan
 5. Record Counts
 6. Billing
 7. Workshops
 8. Conflict of Language
 9. Legal Notice
- Attachment A. Questionnaire for Existing AOCNs

1. Introduction:

The purpose of this document is to provide an overview of the Telcordia® Routing Administration's Fair Share Plan, which is the process by which companies perform data entry and ongoing maintenance of that data in Telcordia Routing Administration's Business Integrated Routing & Rating Database System ("BIRRDs").

The data being entered into BIRRDs consists of new Central Office Code (NXX) assignments and other related data elements that facilitate the completion and rating of telephone calls within the Public Switched Telephone Network ("PSTN"). Companies with Central Office Code (NXX) assignments need to have their data entered into BIRRDs. This function may be performed by the company itself or the company may enter into an agreement with another company to have this function performed on their behalf. In either case, a Fair Share Plan agreement with Telcordia® Routing Administration ("TRA") must be obtained by the company who is to perform the data entry function before access to the BIRRDs database will be granted.

2. Telcordia® Routing Administration ("TRA"):

TRA is part of Telcordia® Technologies, Inc. (Telcordia) and is located in Piscataway, New Jersey. This organization supports the telecommunications industry by providing essential data services and products that support completion and rating of calls within the Public Switched Telephone Network (PSTN). Since 1984, TRA has served as a central point for the inter-company exchange of routing and rating data and has been recognized by the industry as the source of routing and rating information products. By performing the information collection, validation, and data distribution processes for its clients, TRA satisfies the industry's need to share numbering and networking information concerning access to the local exchange environment in a cost effective, accurate, and timely manner.

TRA data products provide the most up-to-date snapshot of the PSTN within the North American Numbering Plan (NANP). Several industry committees, associations, etc. provide regular input to the format and content

of the TRA data products. These bodies represent a wide cross-section of companies and interests. Through this process, TRA data products reflect the ever-changing nature of the industry and its related data exchange needs. The TRA website, <http://www.trainfo.com>, provides information relating to specific data products that are available from TRA and permits downloading, at no charge, of sample products and a number of documents pertaining to TRA and various industry processes.

The TRA data collection process provides local service providers (wireline local carriers, cellular carriers, personal communication services providers, paging companies, etc.) with the ability to report data relating to Central Office Codes (also known as prefixes, exchanges, and NXXs), switch-to-switch homing, switch services, operator-to-operator routing, and other routing data. It also provides an effective means to share data used in call rating, although actual rates are not provided. Rating data includes identification of the time zone a prefix is in, whether the area covered observes daylight savings time, the "place" (e.g., town and state) served by the prefix, V&H Coordinates and other data elements used in rating and billing processes.

The area defined by the NANP is currently comprised of the U.S. (including The Commonwealth of the Northern Mariana Islands, Guam, Puerto Rico, and the U.S. Virgin Islands), Canada, Bermuda, and 16 island countries in the Caribbean. All of these areas utilize a telephone number format comprised of a 3 digit Area Code + 3 digit Prefix + 4 digit Line Number, and all are administered under the umbrella of the NANP.

3. Business Integrated Routing & Rating Database System ("BIRRDS"):

The Business Integrated Routing & Rating Database System (BIRRDS) is a centralized database used to collect pertinent data that supports the routing and rating of local exchange calls within the Public Switched Telephone Network (PSTN). Output of BIRRDS includes the monthly Telcordia® LERG™ Routing Guide that serves as an accepted standard for common and consistent reporting of routing information to interexchange carriers and the telecommunications industry in general. A One-Day LERG™ "Changes" process is also available and provides an expedited means (more than monthly) of identifying pertinent network changes. Output of BIRRDS also includes a monthly Telcordia® TPM™ Data Source product that serves as an accepted standard for common and consistent reporting of rating information.

TRA's responsibilities relative to BIRRDS include system maintenance, general logon administration, user support, data integrity, and BIRRDS processing and output. Ultimate responsibility for the timely and accurate reporting of data rests with code holders, providers of supporting equipment (e.g. switching entity/POI (Point of Interconnection)), etc.

4. Fair Share Plan:

The Fair Share Plan provides the framework for data providers to be able to input data into the BIRRDS database from which the above mentioned products are created, and to share associated fees based on each data provider's relative number of records in the database. Companies can elect to input their own data or hire another company to perform data entry services on their behalf. To become a data provider, companies must enter into a Fair Share Plan agreement with TRA. A sample contract, which is subject to change, can be downloaded from the TRA website at <http://www.trainfo.com>. At the opening screen, click on "Documents", then scroll down to "Sample Contract". Companies that wish to hire another company to perform their data input can also download a list of companies that perform such services from the TRA website. At the opening screen, click on "Documents", then scroll down to "AOCN List".

The BIRRDS database supports an established intercompany notification process, used primarily within the telecommunications industry, which permits companies in the local service arena to share pertinent routing

and rating data with the ever-changing number of companies that need such information. The majority of this data supports call origination and termination within the area covered by the NANP. There are over 4000 companies for which codes exist in the BIRRDS database. Each record is identified with an Operating Company Number (OCN). In most cases, this is the same value as the Company Code that was assigned by the National Exchange Carriers Association (NECA). Not all of the 4000 companies with codes in BIRRDS have the ability to input their codes directly into the database. In some cases, a company may perform data entry for itself, and also for other companies as a "line-of-business". In other cases, companies that are not telephone companies may perform the data entry process entirely for others. Companies that have the ability to perform data entry to the BIRRDS database are identified by, and referred to as, Administrative OCNs (AOCNs).

The following is an explanation of the various aspects of becoming an AOCN.

- To have data entry access to the BIRRDS database, a company must enter into a Fair Share Plan (FSP) agreement with Telcordia. The FSP includes the process by which TRA recovers certain costs associated with operating and maintaining the database, supporting users, etc. Cost equity among participants is based on a process that considers a given company's total number of FSP related records to the total number of FSP related records in the BIRRDS database. A sample FSP agreement (Sample Contract) is available for downloading from the TRA website at <http://www.trainfo.com>.
- The fees directly associated with entering data into the database under the FSP consists of: (1) a one-time administrative fee (currently \$800) which is billed upon execution of the agreement, (2) a monthly charge for each FSP related record in the BIRRDS database as of the close of business on the 15th calendar day of each month, which is billed annually, and (3) a fee (currently \$250), which is to be paid by credit card, to reactivate service after it has been suspended for non-use. Additional costs which a company may incur include: (1) telephone charges associated with the dial-up access option to dial into the 732 area code), (2) appropriate computer hardware (e.g. PCs, modems), and (3) dial up software (may include internet access). No unique software or hardware is required. There are no incremental charges for querying or updating records for users who have update capabilities.
- AOCNs can provide data entry for other companies based upon individual intercompany agreements that are outside the Fair Share Plan agreement. Beyond supporting a basic understanding that each AOCN must take reasonable measures to ensure that data is entered and maintained in a timely and accurate manner, TRA is not involved in such agreements (e.g. charges, scope of services, etc.).

A questionnaire is provided at the end of this document (Attachment A) to enable companies who have become AOCNs to report that they will perform data entry services on behalf of others. Such information is made available on TRA's website at <http://www.trainfo.com>. At the opening screen, scroll down to "Documents", then click on "AOCN List".

- BIRRDS database input training is scheduled twice each year and is available to each AOCN. A nominal fee is charged for common conference expenses, such as audio-visual equipment, coffee, tea, juice, rolls, etc. In addition, participants are responsible for their own transportation, meals, and lodging expenses. If desired, company-specific training sessions can be arranged for a fee.

- Each AOCN automatically becomes a member of the Common Interest Group on Routing and Rating (CIGRR). This is a user group that meets several times a year, often in conjunction with meetings of other telecommunications organizations. This group reviews system changes and provides guidance to TRA in determining system priorities, identifying TRA procedural changes, etc.

Companies desiring to become an AOCN should contact:

Lori Lopez
 Telcordia® Routing Administration
 One Telcordia Drive, Room RRC-4A745
 Piscataway, NJ 08854-4157
 Voice: 732 699-6647
 Fax: 732 336-6999
 Email: llopez@telcordia.com

Information required to begin the process includes:

- Full Legal Name of Company
- Name, Title, Telephone #, Fax # and Email Address of Person to Whom the Fair Share Plan Agreement Should Be Addressed
- Name, Title, Telephone #, Fax # and Email Address of Administrative Contact
- Name, Title, Telephone #, Fax # and Email Address of Billing Contact

5. Record Counts:

Each record in the BIRRDS database contains an Operating Company Number (OCN), which identifies the company that "owns" the data represented by the record. OCNs are used in TRA output products and in various telecommunications processes primarily as a means to identify local service providers. In addition, each record contains an Administrative OCN (AOCN) that is assigned by TRA and identifies the company having data input responsibility for the record. AOCN values are assigned to companies who are participants in a Fair Share Plan agreement with TRA. For administrative and billing purposes, TRA considers the company identified by the AOCN value to be the data provider.

Fair Share Plan billing is based on a number of specific types of records in the BIRRDS database. These include all active codes (and those which will disconnect in the future) and all codes that are scheduled to be established in the future. The specific types of records that are currently counted are as follows:

NXD Records (NPA/NXXs) reflecting a complete block of 10,000 active line numbers
 Block Records associated with 1000 Block Pooling
 Switch Records
 Special (RAO Based) Calling Card Records

Telcordia reserves the right to periodically make changes to the types of records that are counted.

6. Billing:

TRA fees for database utilization services are administered as stated below:

- A. The data provider will be billed a one-time administrative fee of \$800.00 upon execution of the FSP Agreement. The data provider will also be billed an estimated annual fee for BIRRDS database

utilization. The estimated annual fee for the first year of the Agreement will be computed by multiplying the estimated number of the provider's records (see Record Counts above) in the BIRRDS database each month during the remainder of the first year times the estimated monthly price per record. Billing for subsequent years will be as stated below in Section D. In addition, the data provider will be billed a fee of \$250.00 if access to the BIRRDS database need to be reactivated after a suspension of service for non-use.

- B. Each month TRA will compute each data provider's actual monthly fee for database utilization by identifying the number of records in the BIRRDS database as of the close of business on the 15th calendar day of the month and multiplying this record count by the current month's price per record. A TRA Services Usage Summary, which identifies the data provider's actual monthly and year-to-date database usage information, will be sent to the data provider each month. Monthly actual record counts and monthly and year-to-date actual usage fees will be shown for all active codes (and those which will disconnect in the future) and all codes that are scheduled to be established in the future.
- C. At the end of each year there may be a difference between the estimated annual fee that was billed to the data provider for database utilization and the sum of the actual monthly amounts. This difference, which may be plus or minus, is referred to as the "true-up" adjustment and will be applied to the data provider's estimated annual bill for the following year.
- D. In January of each year, TRA will determine the data provider's estimated annual fee for the then-current calendar year based on the relative number of records in the BIRRDS database. This estimated annual fee will be computed by multiplying the actual number of records in the TRA database as of the close of business on the next-to-last workday of the previous year times the current years estimated Price Per Record. An invoice for this estimated annual fee and the aforementioned true-up adjustment applicable to the previous year will be sent to the data provider not later than March 15. Payment of all amounts invoiced shall be in accordance with the section of the Fair Share Plan Agreement titled "Payment of Telcordia's Invoices."

7. Workshops:

In addition to the BIRRDS database input training, which is referenced above in Section 4, TRA also provides scheduled workshops throughout the year that are open to the general public. These workshops (1) provide an overview of the various industry forums and processes that support CO Code Administration, (2) explain basic routing and rating terminology and processes, and (3) review the various standardized output that TRA provides to the industry. Further information, including a schedule, can be found at the TRA website, <http://www.trainfo.com> . At the opening screen, click on "Workshops" in the left margin.

These workshops describe and discuss the data in the Telcordia® LERG™ Routing Guide, the Telcordia® TPM™ Data Source, and other TRA data products. Due to a wide variety of uses of such data, the focus of these workshops is directed towards what the data is, how it is obtained, and how it is provided, rather than on specific applications. However, participants can raise "usage" questions and bring examples that can be discussed. These workshops also describe the industry structure in which TRA operates, provide an overview of basic routing and rating concepts relative to TRA data, and discuss various routing, rating, and numbering directions in which the industry is heading that may ultimately impact the data.

Arrangements can also be made to provide workshops and/or data input training, modified as may be desired, on a company specific basis.

8. Conflict of Language:

In all cases where specific Fair Share Plan agreement language differs from the content of this overview document, such Fair Share Plan agreement language shall prevail.

For further questions or information, please call the TRA Customer Service Center on 732-699-6700 or send email to tra@telcordia.com.

9. Legal Notice:

The information provided herein is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied. While the information contained herein has been prepared from sources deemed reliable, Telcordia® Technologies, Inc. (Telcordia) reserves the right to revise the information without notice, but has no obligation to do so. Unless the recipient has been expressly granted a license by Telcordia under separate applicable written agreement with Telcordia, no license, expressed or implied, is granted under any patents, copyrights or other intellectual property rights. Use of the information contained herein is at the reader's discretion and shall not be deemed an inducement by Telcordia to infringe any existing or later-issued patent, copyrights or other intellectual property right.

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Questionnaire for Existing AOCNs

In addition to administering your own company's data, as an AOCN you may perform data entry and other related services for other companies. Please complete this questionnaire if you wish Telcordia® Routing Administration (TRA) to include your company on a list that is available for downloading from TRA's web site (<http://www.trainfo.com>).

AOCN (or Company Name) _____

- | | <u>Yes</u> | <u>No</u> | <u>Maybe*</u> |
|---|--------------------------|--------------------------|--------------------------|
| A. Do you wish to be identified as a company that provides AOCN related services to third parties?. | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| B. In which areas would your company provide AOCN related services?
All of the North American Numbering Plan (NANP): ____
If not all, check areas that apply:
U.S. (50 states only): ____ Canada: ____
Caribbean/Atlantic: ____ U.S. Territories: ____
Other: (e.g. specific states): _____
_____ | | | |
| C. Would your company perform other services (e.g. engineering, billing) on behalf of other companies? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

- E. Please identify an initial contact from your company for the list. Note that this person does not necessarily have to be the specific person who is performing the updates to the BIRRDS database.

Name: _____

Company: _____

Room #: _____

Street Address: _____

City, State, Zip: _____

Telephone: _____

Email: _____

* "Maybe" implies that a case-by-case assessment may be needed.

Please return this questionnaire to: Mary Ann Southard, Telcordia® Routing Administration, One Telcordia Drive, Room RRC 4A745, Piscataway, NJ 08854 or fax to Mary Ann on: (732) 336-6999.

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