iconectiv®

Catalog of Products and Services

TruOps® Telecom Routing Administration

The industry Source for Routing and Rating Information

January 2025

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TruOps Telecom Routing Administration

Catalog of Products

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General Information

Welcome to the TruOps Telecom Routing Administration

Telecommunications data is in high demand. Service providers, database managers, and companies within and outside the telecommunications industry need and utilize this data to maximize their business potential.

Critical applications such as call routing, call rating and billing, numbering assignment processes, and nearly any application that utilizes TruOps Telecom Routing Administration's (TRA's) data depend on having access to the accurate, timely, and comprehensive data provided by TRA data products. Data is also used by geographical information systems and applications, locator services, revenue assurance processes, financial services, customer relationship management, credit card services, least cost routing processes, call centers, law enforcement, mapping, and countless related types of services.

TRA has been providing data to the telecommunications industry since 1984. Many of the TRA products are a mainstay in supporting the various offerings of service providers, in ensuring their networks are operating properly and efficiently ensuring calls placed by their customers and through their network complete without any problems. The extremely high percentage of call completion and billing accuracy within the areas covered by the North American Numbering Plan (U.S., U.S. Territories, Canada, Bermuda, and parts of the Caribbean) are supported by the data that TRA provides. Numerous regulatory bodies, industry guidelines, and industry standards cite TRA products as necessary and critical to telecommunications products and services within the NANP. TRA works together with these groups to address completeness, accuracy, and consistency in as many areas as possible relative to the data it provides.

Differences you can trust

- TRA products contain data obtained "directly from the source" (e.g., service providers, agencies assigning numbering, etc.), a large portion of which is input by service providers themselves.
- Because of the data sources, TRA data accuracy and timeliness are of the highest quality. Avoid increased operational and financial risks that could occur by using delayed, outdated, or incomplete data provided by other sources. Data quality is a major factor in regards to cost efficient operations.

Benefits of iconectiv TRA Data Products

- Valuable staff time and expense savings incurred in compiling, assessing, and maintaining data.
- Since the majority of TRA products constitute *data* in standard, easy-to-access formats, as opposed to hard-to-use, involved, self-contained applications, it is convenient to manage the integration of this data into specific business applications, internal databases, and operational processes in a straightforward manner.
- Through the enterprise licensing of TRA products, the benefits of TRA data can be extended company-wide to meet a myriad of needs based on a common and consistent source of data. Reduce the time spent on discrepancy resolution within your company as well as other problems that can result from obtaining similar data from a multitude of sources.
- TRA's Customer Care Center (CCC) and technical staff are available to assist with understanding of the data and in explaining how and why data variations may occur throughout the industry.
- TRA's ongoing interactions with industry service providers, regulators, industry standards groups, and other related services and products managed by iconectiv permits TRA to serve as a conduit to align your needs, questions, etc., with other companies, industry standards, and supporting applications, amounting to a win-win situation for all involved.

TRA is proud to serve as your number one source of telecommunications data. This catalog provides an overview of TRA's products and services. Please visit our website at www.trainfo.com, which provides additional information regarding TRA products.

If you have any questions or require further assistance, please contact the TRA Customer Care Center via email at TRA@iconectiv.com or via phone at 866-NPA-NXXS (866-672-6997) or 732-699-6700.

Sincerely,

Telecom Routing Administration (TRA)

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iconectiv and TruOps are registered trademarks and LERG™ Routing Guide, TPM™ Data Source, and CLLI™ Code are trademarks and the intellectual property of iconectiv, LLC.

User Profile and Benefits

Since inception, TRA products have have been utilized by many different types of businesses to meet an increasingly wide variety of needs. While continuing to work within and support its historic focus on the telecommunications industry, TRA is constantly working with its customers, both inside and outside the industry, to develop new approaches to using TRA data, and maximizing its benefits.

The following table provides a quick summary of the type of jobs, functions, and processes that each product can support, as well as potential benefits to your company. For additional product information, we invite you to review the product details provided in the remainder of the catalog, visit our website at www.trainfo.com, or contact the TRA Customer Care Center.

TRA Product	Who Might Use the Product	Benefits to Your Company
LERG™ Routing Guide • **LERG One Day Changes** **LERG™ Tools:** • **LERG™ OnLine**	• Engineers responsible for call routing and switch translations • Engineers needing switch homing arrangements • Planners/architects needing to prepare for network changes • Those involved with preparing, supporting, and maintaining interconnection agreements • Companies entering the telecommunications industry or a new market area needing a recognized source for information on the existing circuit switched network elements and IP partners in the area	• Properly route and complete all calls • Avoid lost revenue and maintain customer satisfaction • Get physical routing details to support your interconnection agreements and save your company time and money • Prepare for the 2-3% per month network changes that occur by obtaining planned network change data months in advance • Get Rate Center information used in rating and billing processes • View daily updates of changes using LERG OnLine or LERG One Day Changes
TPM™ Data Source	• Call rating and billing operations staff • Users needing to verify billing and call detail records	• Data to support accurate billing and avoidance of revenue loss • Associate appropriate revenue accounting office (RAO) to NPA NXXs

TRA Product	Who Might Use the Product	Benefits to Your Company
Emergency Notifications (ENs)	• Engineers responsible for call routing and switch translations • Network planners/architects who need to prepare for coming changes • Call rating and billing operations staff	• Maintain accurate operations with information on new NPA NXXs and tandem changes that have been announced late relative to their effective date • Supports LERG™ Routing Guide and TPM™ Data Source products
Telemarketing Data Source (TDS)	• Call center operations and database engineers • Financial institutions, telemarketers, and others seeking to maintain compliance with the TCPA when performing outbound calls • Anyone needing to distinguish wireless number exchanges from pager or landline ones	• Easy-to-use GUI that allows you to perform individual or bulk queries of number ranges segmented by Line Type, Time Zone, State, and Region among other variables • Standard data files that can be integrated with other databases you may use in assessing calls • API capabilities to automate call log verification to confirm the line type of all phone numbers on your customer list
NPA NXX Active Code List (NNACL) **NPA NXX Activity Guide (NNAG)**	• Telemarketers, credit card companies, customer service groups, and others maintaining customer lists/databases • PBX table maintenance staff	• Maintain your internal operations and processes at peak efficiency with a complete listing of all ACTIVE NPA NXX codes (NNACL) within the North American Numbering Plan provided quarterly • Prepare for all FUTURE NPA NXX codes adds, changes and disconnects with a complete code change listing (NNAG) within the North American Numbering Plan area provided monthly • Includes Thousands–Block level details for areas where assignments are made at that level
LIDB Access Routing Guide (LARG)	• Alternate Billing Service providers and database maintenance staff • Users needing to route SS7 queries to LIDB databases	• Critical source of data to populate global title translation tables within the STP that will save staff time, increase accuracy and improve performance • Reduces misrouted or failed calls for third-party billing, collect calls and calling card calls

TRA Product	Who Might Use the Product	Benefits to Your Company
		• Recovers revenues and reduces customer complaints
Calling Name Access Routing Guide (CNARG)	• Service providers and database maintenance staff who need access to calling name information in order to provide calling party's name to end users	• A complete source of data to populate global title translation tables within the STP that will save staff time and money • Increase accuracy of data

Target Markets and Selected Benefits

TRA provides an array of products that serve the varied needs of local and long distance telephone companies, new competitive local exchange companies, wireless carriers, VoIP carriers, value added resellers, telemarketing, and customer care organizations, map developers and other businesses and organizations that depend on accurate “snap-shots” of the PSTN and VoIP routing.

Examples of job functions or organizations using these products are:

- Engineers responsible for call routing and switch translations
- Network planners/architects preparing for changes
- Interconnection – ASRs, LSRs, CABS, etc.
- Groups maintaining customer lists/databases
- Switch manufacturers
- Signaling Network Control Center staff
- Marketing managers planning new service and product introductions
- Call rating and billing staff
- Forecasters (marketing, network, etc.)
- Operator services staff
- PBX maintenance personnel and PBX administrators
- Cartographers developing special purpose maps
- Telephone receptionists, secretaries, office administration staff
- Regulatory/Legal support

TRA products provide value and benefit clients in many ways. Some examples are:

- Data to properly route/complete calls to avoid lost revenue and maintain customer confidence and satisfaction
- Data to support and correlate with interconnection agreements
- Preparing for the 2-3% per month changes network configurations, numbering, etc.
- Being on top of planned NPA NXX codes, blocks, and new Area Codes
- Data for accurate billing settlements and revenue collection
- Vertical and Horizontal coordinates translations (based on Latitude and Longitude) for switches, Rate Centers, and points of interconnection
- A single source of data for populating LIDB and Calling Name global title translation tables within the Signal Transfer Points (STPs)
- Area Code, town, state, time zone data for placing calls and updating internal lists

How to Use the TRA Product Catalog

Each product description in this catalog contains the following information: product applications, benefits and, examples of data formats. Each product description indicates when the product is produced, its distribution frequency, and its distribution formats. Towards the end of the catalog is an explanation of TRA Product ordering procedures, Enterprise Licenses, and policies.

Note that TRA data products have been developed to support a wide range of users with varying needs. In this regard, some data elements such as NPA NXX block information are an integral part of, and common across, several products. In choosing a particular product to meet your needs, you should consider your need for the extent of data being provided in a given product, how the data is provided, the product's production schedule, and the product's distribution format choices.

To ensure a smooth process, it is recommended that you contact the TRA Customer Care Center with any questions about a particular product, and/or for assistance in completing the TRA Price and Order Request Forms.

Product Distribution / Format

Unless otherwise noted, all products are issued in their entirety with each issuance. For example, an annual subscription to a product created monthly equates to receiving a full new product each month whose data reflects any changes that occurred since the previous issuance.

The standard method of obtaining TRA products is via download from a secured TRA Internet website. The Emergency Notification product is distributed via email.

Web Download: TRA products can be downloaded from a secure, username/password/IP address protected website maintained by TRA. An account set-up form needs to be filled out and returned to TRA to receive products via this method.

Email: The Emergency Notification product is delivered via email.

Product Examples / Samples

In several product descriptions in this catalog, examples of data in a screen-print or report format illustrate the type of data a product provides. These examples, as well as this catalog in general, are provided to assist in your understanding of the pertinent aspects of a product. Examples should not be considered tutorials, should not be deemed to reflect the most recent information, and should not be considered all-inclusive.

NOTE: Some TRA products contain data available in a pre-loaded Microsoft® (MS) Access Database. These pre-loaded MS Access Databases will be eliminated over the next few years; therefore, it is recommended that customers do not implement the use of these MS Access Databases.

Products

LERG™ Routing Guide

The LERG™ Routing Guide contains current information about the local Public Switched Telephone Network (PSTN) as well as additional information about IP Networks and includes scheduled future activity associated with the networks. Initially designed for routing of interLATA calls by interexchange carriers, the LERG™ Routing Guide has evolved to provide support for information exchange between all service providers (CLECs, wireless providers, ISPs, iVoIP, etc.), and has grown to serve as a source for performing network analysis, marketing and demographic analysis, and many other uses.

The LERG™ Routing Guide provides routing details to support interconnection agreements, saving companies time and potential loss of revenue. It supports proper routing and completion of all calls, and thus helps maintain customer satisfaction.

The LERG™ Routing Guide is available for web download as a set of CSV files (preferred) or fixed formatted data files.

The LERG™ Routing Guide is a valuable resource for:

- Engineers responsible for call routing and switch translations
- Network planners/architects who need to prepare for future changes
- Those involved with preparing, supporting, and maintaining interconnection agreements
- Companies entering the telecommunications industry or a new market area who need a trusted source of information on the existing circuit switched network elements in the area

A free downloadable sample of a complete LERG™ Routing Guide, as you will receive in a standard issuance but containing slightly older data and a small percentage of the full volume of data, is available for review at www.trainfo.com (catalog tab).

Each issuance of the LERG™ Routing Guide is a complete replacement of the previous issuance. Files exist that indicate records that were added, changed, or removed on a month-to-month basis.

The LERG™ Routing Guide General Information Section is included with each LERG™ Routing Guide and provides information on:

- Data Glossary (data definitions)
- System Codes (Routing Code 1XX), Service Codes, North American Numbering Plan Universal Central Office Codes (NXXs), and Operator Service Codes
- Signaling System 7 (SS7) Network Codes
- Vertical Service Codes
- Automatic Number Identification Information Indicator (ANI II) Digits Codes

- Also, high level information regarding:
  - 900 NXX Codes
  - Toll Free (e.g. 800) Codes
  - 5XX-NXX Non-geographic Codes
  - 6YY Non-geographic Codes (Canada)
  - 710 (US Government) NXX Codes

LERG™ Routing Guide data files provide data regarding:

- Operating Company Numbers, Company Names, Routing Contacts
- Country Code Assignments
- NPA Information (i.e., Area Codes)
- LATA Codes By Region
- Destination Codes (Area Codes / Prefixes) (NPA NXX Thousands-Blocks assignments for the United States and its territories, Canada, Bermuda, and 16 Caribbean countries)
- Oddball NXXs (e.g. 911, 976)
- Switching Entity Record detail (e.g. Equipment Type, V&H Coordinates)
- Rate Center details (e.g. V&H Coordinates) and Localities (including counties and postal codes)*
- Switch Homing Arrangements (tandem and other switch-to-switch interconnections)
- Operator Access Tandem Codes (ATCs)
- Location Routing Numbers (LRNs)
- Local Interconnection Regions (Canada)

** Counties and postal codes currently pertain to only U.S. data*

You may obtain a copy of LERG™ Routing Guide data file layouts and specifications at no charge by contacting the TRA Customer Care Center.

LERG™ Routing Guide:

Produced: first workday monthly

Distribution frequency: monthly

Distribution format: web download

The LERG™ Routing Guide has data provided in the following formats: (1) Comma Separated (CSV) files using pipe delimiters (preferred) and (2) fixed-record ASCII format.

LERG™ One-Day Changes Process

Subscribers to the monthly LERG™ Routing Guide have access to the LERG™ One-Day Changes Process at **no additional charge**. Data changes in the underlying databases are analyzed daily to provide files reflecting day-to-day changes. This produces a set of files that denote daily changes in a format consistent with the following subset of LERG™ Routing Guide files:

- LERG1 (OCN)
- LERG6 (NPA NXX)
- LERG7 (Switch)
- LERG7SHA (Switch Homing)
- LERG12 (Location Routing Numbers (LRNs))

The files provided in this process are in a flat (fixed-record) file format only (CSV format to be offered in the near future). They contain only those records that have undergone a change (added, removed, and modified) each calendar day and are not a complete file replacement. Integration of the changes into the LERG is the responsibility of the end user since users handle the LERG™ Routing Guide data in many different ways.

The LERG™ One-Day Changes Process is available free of charge to customers with a monthly LERG™ Routing Guide Enterprise License.

LERG™ One Day Process:

Produced: daily (files issued each workday)

Distribution frequency: available to monthly LERG™ Routing Guide subscribers

Distribution format(s): web download

LERG™ Routing Guide Examples – Overview

The following pages provide LERG™ Routing Guide data examples from the LERG™ Routing Guide and are provided for illustrative purposes only. The examples represent just some of the data files in the LERG™ Routing Guide.

Since NPA NXX block data is a primary data element in the LERG™ Routing Guide, to which other data interrelates, this series of examples from the LERG™ Routing Guide begins with the LERG6 file which is the principal file containing NPA NXX block data.

LERG™ Routing Guide Example

LERG6 – NPA NXX Block Assignment

LERG6 contains data relative to assigned NPA NXXs. As of this writing, this amounts to approximately 205,000 assigned NPA NXX records, and over 850,000 assigned numeric blocks within NPA NXXs. In the example below:

- NPA NXX 732 699, BLOCK A, is shown. BLOCK ID A indicates the carrier is the high-level assignee of the NXX (which carries certain responsibilities). Numeric BLOCK ID ranges are from 0 to 9. For example, a BLOCK ID value of 4 indicates line range 4000-4999. If numeric block data exists for an NPA NXX, the block data information should take precedent over the "A" record relative to the assignee and certain other fields. 732 699 is active (i.e. EFFDATE=blank) as of the product date.
- 732 699 is an end office code (COCTYPE=EOC) (i.e. landline/wireline) with no special services (SSC=N) and rates to the RATE CENTER of NEWBRNSWCK in NJ which is in LATA 224. The LERG8 file (example not shown) translates NEWBRNSWCK to "New Brunswick" as the full name of the Rate Center. NEWBRNSWCK is also the identified primary LOCALITY for 732 699.
- Telephone numbers assigned in 732 699 are dialable by end users (DIND=Y).
- Telephone numbers are subject to being "ported" across carriers (PORT=Y).
- Assignments to carriers for this NPA NXX are not subject to assignments at the Thousands-Block level (TBP=N). Note that if a carrier has retained all 10 blocks from an NPA NXX, the NPA NXX was assigned prior to thousands-block pooling becoming effective and, as is the case in this example, the LERG™ Routing Guide will only show the A block with a TBP=N. In cases where there have been numeric blocks assigned, both an A block record as well as numeric block record(s) will exist with a TBP value of Y.
- Carriers completing calls to either the end office or to the access tandem should send the full 10 digit telephone number to the terminating switch in both cases (TD-EO=10, TD-AT=10).
- The switch this NPA NXX is native to is identified by the CLLI™ of PSWYNJPIDS5. The Switch Homing Arrangement (SHA) Indicator of 00 identifies the switch homing applicable to this NPA NXX / switch combination that can be determined from LERG7SHA.
- The NPA NXX has been assigned to Operating Company Number (OCN) 9206 (expanded further on the next page of this example). Data is administered for the LERG™ Routing Guide by AOCN (i.e. OCN) 9200.

LERG 6:

LATA	LATA NAME	STATUS	EFF DATE	NPA	NXX	BLOCK ID	COC TYPE	SSC	DIND	TD-EO	TD-AT
224	NORTH JERSEY NJ			732	699	A	EOC	N	Y	10	10

PORTABLE	AOCN	OCN	LOC NAME	LOC INDEX	LOC STATE	RC ABBRE	RC TYPE	LINE FR	LINE TO	SWITCH	SHA INDICATOR
Y	9100	9206	NEWBRNSWCK		NJ	NEWBRNSWCK		0000	9999	PSWYNJPIDS5	00

TEST LINE #	TEST LINE RESPONSE	1000 BLK POOL	RC LATA	CREATION DATE	E STATUS DATE	LAST MODIFIED
		N	224	12/22/2004	12/29/2004	12/29/2004

LERG1 – OCN / Company Name / Routing Contact

LERG1 contains data covering more than 17,000 assigned Operating Company Number (OCN) identifiers.

Many LERG™ Routing Guide data elements, and especially primary data elements such as NPA NXX Blocks and switches, are associated with an OCN. The LERG1 file provides a mapping of this four-character identifier to a specific company name and related company information. The LERG1OCN file (example not shown), includes additional contact information for various organizations, functions, and services, for those companies choosing to provide it.

In this example,

- OCN 9206 shows as being assigned to Verizon New Jersey, Inc.
- The OVERALL OCN (a higher level of grouping, should it exist), in this example, is also 9206.
- The Operating Company is listed as a Regional Bell Operating Company (CATEGORY=RBOC). CATEGORY values, based on company, including CLEC, wireless, etc., can be keyed upon to further assess data in the LERG.
- The Routing Contact Information lists the name, title, company name, telephone number, and address for the person to call regarding routing questions relative to the LERG™ Routing Guide (this information has been removed from the example).

LERG 1:

OCN_#	OCN_NAME	ABBRE_OCN_NAME	OCN_STATE	CATEGORY	OVERALL_OCN	FILLER1	FILLER2	LAST	FIRST	MI	CO_NAME_SPEC
9206	VERIZON NEW JERSEY INC.	VERIZON NEW JERSEY	NJ	RBOC	9206						VERIZON COMMUNICATIONS

TITLE	ADDRESS1	ADDRESS2	FLOOR	RM	CITY	STATE	ZIP	PHONE	TARGET_OCN	OVERALL_TARGET_OCN	RLEC	SILEC

LERG7 – Switching Entities

LERG7 contains high level (not homing) data regarding approximately 50,000 switch CLLI codes used in the LERG. Homing information is contained in LERG7SHA.

In this example,

- Switch PSWYNJPIDS5 is physically located within LATA 224 in Northern New Jersey.
- Its Common Language® equipment type designation, 5EH, is explained in a separately available document (BR 751-100-460, CL-DATA-SSC) available at www.commonlanguage.com.
- Vertical and Horizontal Coordinates (based on latitude and longitude) of the switch are provided (but noted in the example as 12345). Switch V&H values are often used in “access” pricing.
- PSWYNJPIDS5 has International Direct Distance Dialing (IDDD) capability.
- It is located at (street address is blanked out in the example) in Piscataway, NJ.
- The switch is owned by OCN 9206, which we previously noted as Verizon New Jersey, Inc.
- Data is administered for the LERG™ Routing Guide by AOCN 9200 (i.e. Verizon).
- The Switching Entity-Office Functionalities (SOF) noted by the data provider are End Office, Host, E.164, Local Number Portability (LNP) capable, 800 SSP support, serves as a CCS AC OFC, has CSP functionality, and is provisioned to support Intra LATA Presubscription. These functionalities are explained to a greater degree in the LERG™ Routing Guide Glossary file.

LERG 7:

LATA	LATA NAME	STATUS	EFF DATE	SWITCH	EQP TYPE	AOCN	FILLER1	OCN	V-COORD	H-COORD	IDDD	SW STREET	SW CITY	SW STATE	SW ZIP	PT CODE FLAG	CL 4/5 SW
224	NORTH JERSEY NJ			PSWYNJPIDS5	5EH	9100		9206	05080	01444	Y	4 SKILES AV	PISCATAWAY	NJ	08854	P	

SOF 1-EO	SOF 2-HOST	SOF 3-REM	SOF 4-DA	SOF 5-4/5	SOF 6-WIRELESS	SOF 12-FGB TDM	SOF 13-FGC TDM	SOF 14-FGD TDM	SOF 15-OS TDM	SOF 16-INT OFC	SOF 17-DA TDM	SOF 18-911 TDM	SOF 20-LOCAL TDM	SOF 21-INTRA TDM	SOF 22-CS DATA TDM	SOF 23-BCR5	SOF 24-BCR6	SOF 25-PRI 64	SOF 26-ISDN MULT	SOF 27-ISDN FS	SOF 34-STP	SOF 35-CCS AC	SOF 37-800 SSP	SOF 38-LNP	SOF 42-CIP	SOF 43-CSP
X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X

SOF 45-SW 56	SOF 46-FGD 56	SOF 47-FGD 64	SOF 48-INT PRSUB	SOF 49-CALL AGENT	SOF 50-TRUNK GATEWAY	SOF 51-ACCESS GATEWAY	CREATION DATE	E STATUS DATE	LAST MODIFIED	CLN INDICATOR	BILL_TO_RAO	SEND_TO_RAO
-	-	-	X	-	-	-	8/5/1990	1/1/2000	1/1/2000	A		

LERG7SHA – Switch Homing Arrangements

LERG7SHA contains information about switch-to-switch interrelationships (e.g. homing). More than 60,000 homing relationships exist in the LERG. In the example, the switch PSWYNJPIDS5 with a SHA Indicator of 00 (this is the switch and SHA Indicator that appeared for NPA NXX BLOCK 732 699 A in LERG6) is noted. The record shows several different tandems as well as an STP relationship relative to PSWYNJPIDS5 00. The originating and terminating tandems are the same for all the same functionalities. This is often, but not always, the case. This example indicates that traffic terminating to PSWYNJPIDS5 may be routed for Feature Group B as well as Feature Group D to NBWKNJNB05T; to NBWKNJNB04T in the case of local and intraLATA traffic; and to ELZBNJEL02T for operator services.

LERG7SHA:

LATA	LATA NAME	STATUS	EFF DATE	SWITCH	SHA INDICATOR
224	NORTH JERSEY NJ			PSWYNJPIDS5	00

H-ORG B TDM	H-ORG C TDM	H-ORG D TDM	H-ORG OS TDM	H-ORG B INT TDM	H-ORG C INT TDM	H-ORG D INT TDM	H-ORG LOCAL TDM	H-ORG INTRA-L TDM	H-ORG CIR SW TDM
NBWKNJNB05T		NBWKNJNB05T	ELZBNJEL02T				NBWKNJNB04T	NBWKNJNB04T	

H-TRM B TDM	H-TRM C TDM	H-TRM D TDM	H-TRM OS TDM	H-TRM B INT TDM	H-TRM C INT TDM	H-TRM D INT TDM	H-TRM LOCAL TDM	H-TRM INTRA-L TDM	H-TRM CIR SW TDM
NBWKNJNB05T		NBWKNJNB05T	ELZBNJEL02T				NBWKNJNB04T	NBWKNJNB04T	

HOST	STP1	STP2	ORIG 800 SSP	ISDN FOREIGN OFF	ACTUAL SW ID	CALL AGENT	TRUNK GATEWAY	OCN	AOCN	CREATION DATE	E STATUS DATE	LAST MODIFIED
	NBWKNJNB01W	NWRKNJ0201W						9206	9100	8/5/1990	1/1/2000	8/19/2002

LERG8 files – Rate Center and Locality Information

LERG8, LERG8LOC, and LERG8PST contain information covering more than 22,000 Rate Centers within the NANP area, approximately 65,000 localities (e.g. towns) within those Rate Centers, and (currently only for U.S. data) each locality's county and associated USPS postal code(s) (some localities not defined in USPS data are being researched). In the example being used, NPA NXX BLOCK 732 699 A rates to the New Brunswick, NJ Rate Center which has the noted Rate Center V&H Coordinates and the NPAs that can be associated with it.

LERG 8:

LATA	LATA NAME	STATUS	EFF DATE	RC STATE	RC ABBR NAME	RC TYPE	RC FULL NAME	MAJOR-V	MAJOR-H	MINOR-V	MINOR-H
224	NORTH JERSEY NJ			NJ	NEWBRNSWCK		NEW BRUNSWICK	05085	01434		

NPA1	NPA2	NPA3	NPA4	NPA5	NPA6	NPA7	NPA8	NPA9	NPA10	MTA1	MTA2	SPLIT INDICATOR	EMB OVERLAY NPA1	EMB OVERLAY NPA2	EMB OVERLAY NPA3	EMB OVERLAY NPA4
732	848									01		N	908			

LERG12 – Location Routing Numbers

LERG12 contains information about Location Routing Numbers (LRNs). LRNs are used in regards to Local Number Portability (LNP) call processing within the NANP. Approximately 45,000 LRNs are in the LERG. LRNs are related to NPA NXXs in format, and map to a switch for routing purposes. The NPA NXX 732 699 used in these LERG™ Routing Guide examples is not the basis for an LRN, nor need it be. However, the LERG12 file indicates that the switch PSWYNJPIDS5, used in these examples, has 7324579999 as the LRN. In this example, this happens to be the sole LRN associated with this switch. Therefore, any numbers “ported-in” to this switch would use this LRN for local number portability routing.

LERG12:

LATA	LATA NAME	STATUS	EFF DATE	LRN	SWITCH	AOCN	OCN	RC ABBRE	RC TYPE	RC STATE	SHA INDICATOR
224	NORTH JERSEY NJ			7324579999	PSWYNJPIDS5	9100	9206				00

LERG™ OnLine

LERG™ OnLine is an offering separate from the LERG™ Routing Guide itself. It provides, via web access, the ability to access, view, and download query results.

This is an easy-to-use web-based GUI application available only to monthly LERG™ Routing Guide Enterprise Licensees at a small increment above the LERG license fee. LERG OnLine is provided on an enterprise basis for the benefit of everyone in your company.

The LERG OnLine is a means to access up-to-date LERG™ Routing Guide data and isolate specific information that a user may be interested in obtaining for online review and/or downstream processing. LERG OnLine provides these capabilities to LERG™ Routing Guide Enterprise Licensees without their needing to expend time, effort, and expense to develop and maintain local processes; purchase and/or use third party software; or expend unnecessary manual efforts to obtain data from the LERG.

LERG OnLine data is updated daily! It is not just a monthly snapshot of the data. It provides the ability to access updated LERG™ Routing Guide data without necessarily having to locally develop processes that incorporate LERG One-Day Change Process data with the monthly LERG.

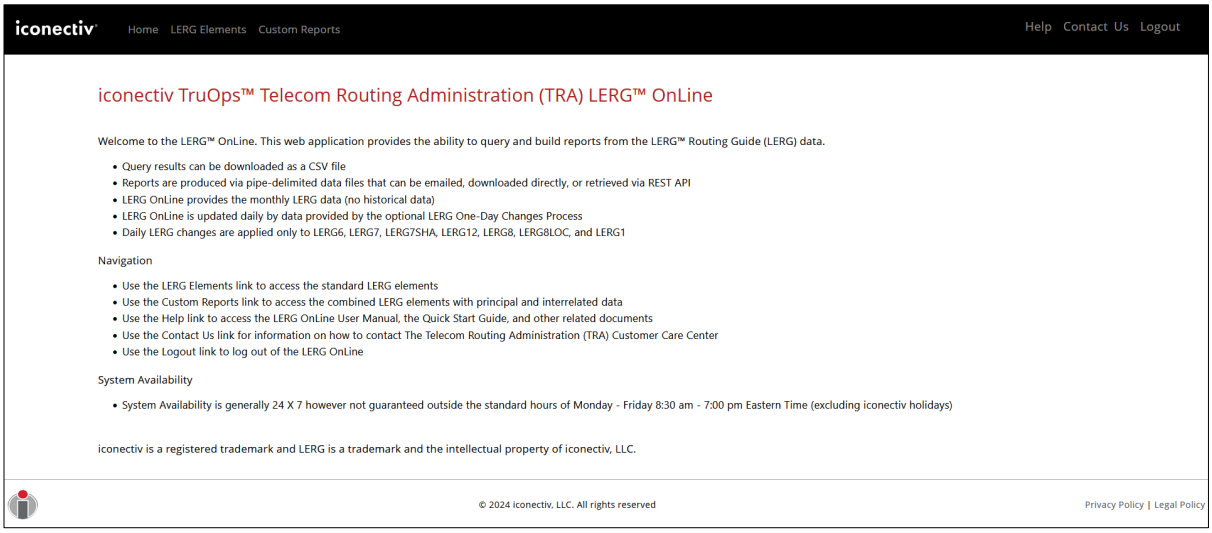
Data in LERG Online is essentially the LERG™ Routing Guide data that has been described previously in this catalog, although specific terminology may vary. Depicted below is the LERG OnLine welcome screen. The next page displays a basic query and results.

LERG™ OnLine:

Produced: updated every night

Distribution frequency: daily access

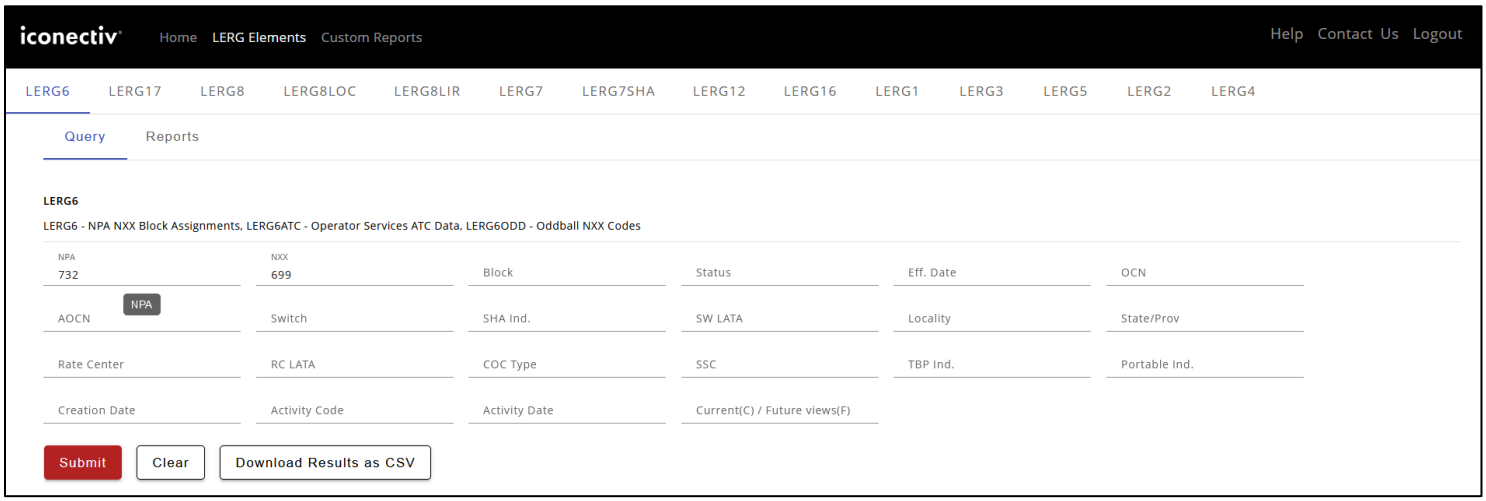
Distribution format(s): web access

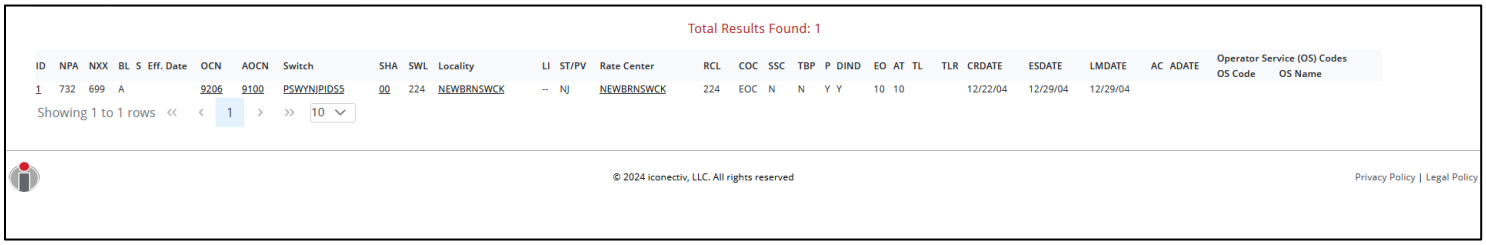


LERG Online Example

LERG OnLine – Example of Query

The following LERG OnLine query screen is used to obtain NPA NXX Block data information. Enter selection criteria into one or more of the data entry boxes. Use of wildcards, listing of values, etc. can also be used as selection criteria. The results screen below shows all records that pertain to NPA NXX 732 699.





TPM™ Data Source

The TPM™ Data Source supports various systems used in rating and billing telephone calls and can be used as a source for certain data related to NPA NXXs.

The TPM™ Data Source is a useful resource for:

- Those who need to manage NPA NXX related data.
- Call rating and billing operations staff who need to associate the appropriate Revenue Accounting Office (RAO) to NPA NXXs.
- Those who specifically have a need for V&H and Rate Center information associated with NPA NXXs.

The TPM™ Data Source contains data for the entire NANP (United States, American Samoa, the Commonwealth of Northern Mariana Islands, Guam, Puerto Rico, the US Virgin Islands, Canada, Bermuda, 16 island countries in the Caribbean), and Mexico.

Data elements include:

Numbering Plan Area (Area Code)	Revenue Accounting Office (RAO) (Bill to/Send to)
NXX Code (exchange, prefix - with block)	Portability Indicator
Operating Company Number	Thousands-Block Pooling Indicator
IDDD Capability Indicator	NXX Type (wireline, paging, cellular, etc.)
Vertical (V) Coordinate	Time Zone
Horizontal (H) Coordinate	Daylight Savings Time Indicator
Rate Center	Company Type
Place Name	Special Calling Cards (RAO based)
State, Province, Country	International data - Mexico

A free downloadable sample of the TPM™ Data Source, the same you will receive in a standard issuance but containing slightly older data and a relatively small percentage of the full volume of data, is available for your review at www.trainfo.com (catalog tab).

Each issuance of the TPM™ Data Source is a complete replacement of the previous issuance. Indicators exist on a month-to-month basis that flag those records that were added, changed, or are to be deleted. You may obtain a copy of TPM™ Data Source data file layouts and specifications at no charge by contacting the TRA Customer Care Center to receive them by email.

TPM™ Data Source:

Produced: mid-month monthly (product issuances are dated the 15th of the month following creation)

Distribution frequency: monthly

Distribution format(s): web download

The TPM™ Data Source has data provided in fixed-record ASCII format CSV file format will be provided in the near future.

TPM™ Data Source Example

The following screen shot from the TPM is provided for illustrative purposes only. This example represents just some of the data files in the TPM™ Data Source.

Since NPA NXX data is a primary data element in the TPM™ Data Source, the file below (also called the TPM "File") provides information relative to NPA NXX 732 699.

NPA	NXX	BlockID	Range	NXXTYPE	Effdate_LastChg	Chg Code	OCN	AOCN	Co Code	Co Type	Bill to Rao	Send to Rao	Major V	Major H	LATA	LATA Sub
732	699	A	00009999	00	12/29/2004	K	9206	9100	00	0	094	000	05085	01434	224	00

RC Name	RC Type	Place Name	State	TZONE	D SAVE IND	PORT IND	TBP IND	IDDD	DIND	Oth Line RS	Point ID	Eff Date Assign
NEWBRNSWCK		NEWBRNSWCK	NJ	7	1	1	0	1	1	00	0	12/29/2004

Emergency Notifications (ENs)

Emergency Notifications report last minute changes that are not included in the current month's products. Emergency Notifications are published at least once a week.

Emergency Notifications are useful for:

- Engineers responsible for call routing and switch translations
- Network planners/architects to prepare for coming changes
- Call rating and billing operations staff
- Recipients of the LERG™ Routing Guide and/or TPM™ Data Source that need to be aware of last minute NXX announcements (new code openings)

Emergency Notifications report new NXXs that are effective in less than 45 days from the date they are entered into the underlying TRA database by the service provider or its agent. Industry lead time for an NXX opening is a minimum of 45 days from the data entry date. However, for various reasons, exceptions may sometimes be necessary. Emergency Notifications may also provide information of general interest such as reported blocked calls, short notice homing changes, and Rate Center changes. High level information regarding Area Code Splits (dates and test numbers) are provided and summarized once a month.

Immediate Emergency Notifications are the same as the Emergency Notifications. These are immediately issued anytime a new NXX is in effect less than 15 days from the effective date. Emergency Notification subscribers receive the Immediate Emergency Notification service at no extra charge. Emergency Notifications are available by email only. Note that the EN / IEN service does not provide indication of late code openings relative to NPA NXX block assignments.

Emergency Notifications:

Produced: Each Tuesday and as may be needed otherwise

Distribution frequency: Each Tuesday and as may be needed otherwise

Distribution format(s): email

Telemarketing Data Source (TDS)

Efficient and compliant telephone outreach is vital for businesses, but challenges arise from changing contact data, evolving regulations and potential fines. Without a reliable source of telephone number information, companies risk operational inefficiency and violating the Telephone Consumer Protection Act (TCPA).

TRA Telemarketing Data Source (TDS) is a valuable tool for call center operations teams looking to be more efficient and maintain compliance with the TCPA by verifying valid telephone numbers, processing customer contact information or suppressing wireless or pager numbers from a database application.

Using a web-based GUI with the flexibility to extract the data provided relative to NPA NXX (area code, exchange) and Thousands-Block assignments, companies can access data that fits their specific business needs. TDS data enables companies to determine valid area code exchange combinations, Time Zone and Daylight Savings Indicators are also provided by NPA NXX to reduce errors of calling during TCPA prohibited hours of 9PM to 8AM.

TRA TDS also provides insights into whether a telephone number has recently been ported from wireline to wireless or vice-versa and associated line type changes at both the NPA NXX and individual ten-digit telephone number levels. TDS data comes directly from the Number Portability Administration Center. (NPAC), the country's only authoritative source of this information.

The telephone number data within TRA TDS includes those that are active within the North American Numbering Plan (NANP) area (US, US Territories, Canada and parts of the Caribbean). The recently ported ten-digit telephone numbers are those that are active and assigned for use within the United States.

The intuitive web-based GUI enables seamless telephone number data management as well as custom and automated reports that can be extracted via API integration. Its ability to ensure compliant, cost-effective and efficient operations makes TRA TDS the premier trusted solution for call center needs.

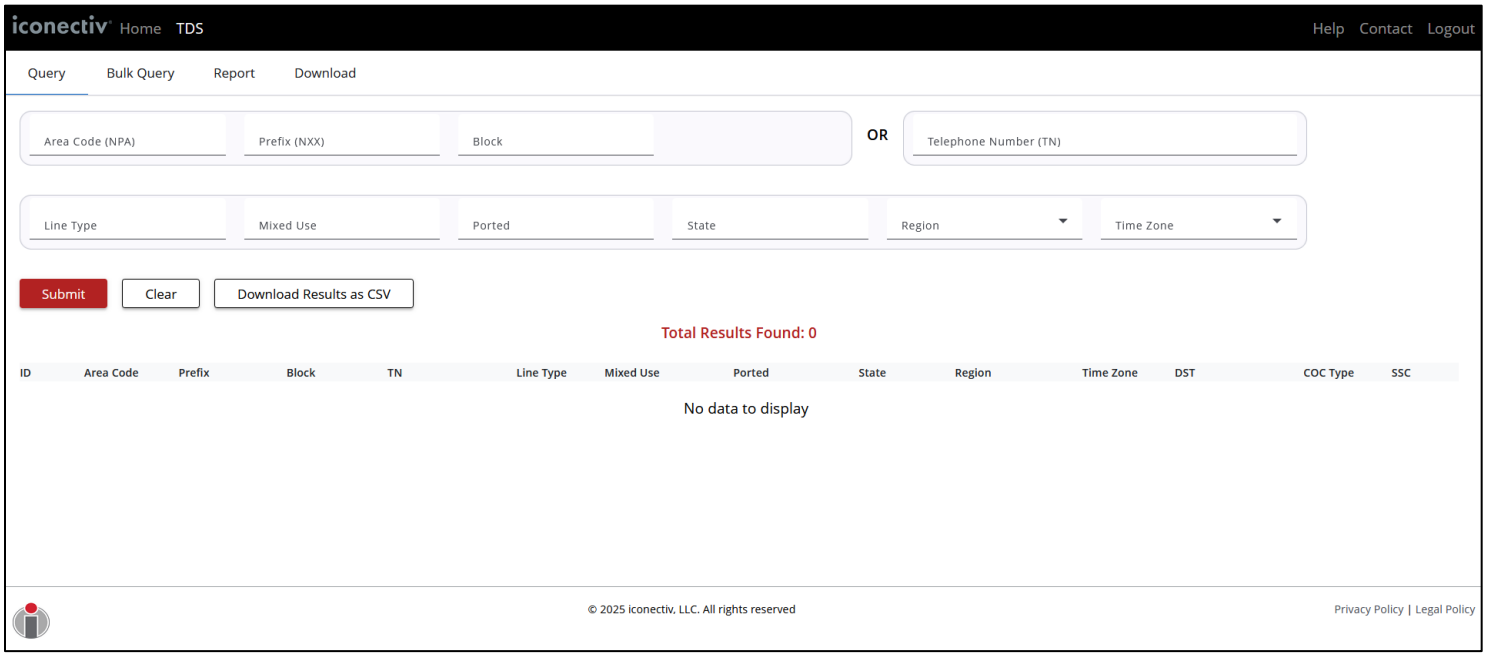
The following screen shots depict Single Query (one record) and Bulk Query (many records) selection screens. The output, based upon selection criteria, can be downloaded in CSV file formats for Single Queries, or in pipe-delimited flat files for Bulk Queries. The standard files available for web download are in ASCII text data file formats that can then be directly viewed or integrated into local databases as business needs may dictate.

Telemarketing Data Source:

Produced: daily

Distribution frequency: daily

Distribution format(s): web access


iconectiv Home TDS
Help Contact Logout
Query
Bulk Query
Report
Download
Area Code (NPA)
Prefix (NXX)
Block
OR
Telephone Number (TN)
Line Type
Mixed Use
Ported
State
Region
Time Zone
Submit
Clear
Download Results as CSV
Total Results Found: 0
ID
Area Code
Prefix
Block
TN
Line Type
Mixed Use
Ported
State
Region
Time Zone
DST
COC Type
SSC
No data to display
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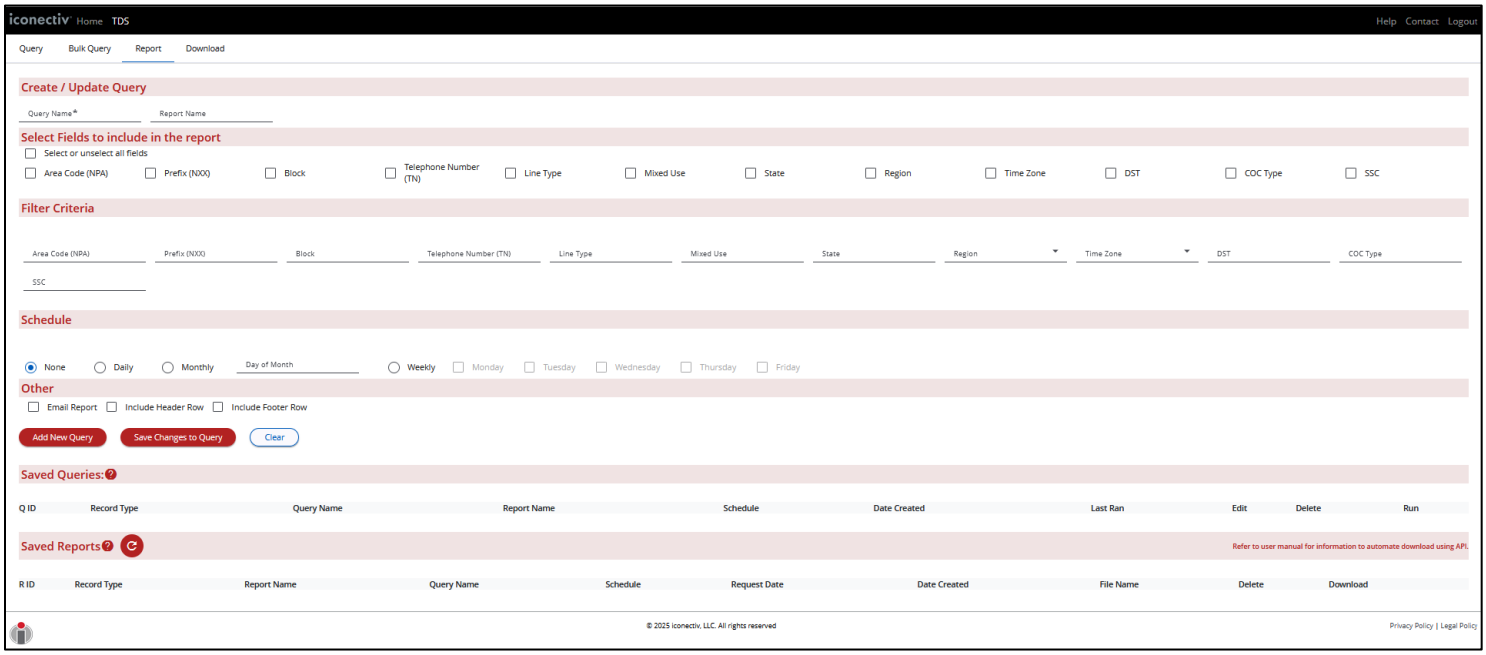
iconectiv Home TDS
Help Contact Logout
Query
Bulk Query
Report
Download
Create / Update Query
Query Name*
Report Name
Select Fields to include in the report
Select or unselect all fields
Area Code (NPA)
Prefix (NXX)
Block
Telephone Number (TN)
Line Type
Mixed Use
State
Region
Time Zone
DST
COC Type
SSC
Filter Criteria
Schedule
None
Daily
Monthly
Day of Month
Weekly
Monday
Tuesday
Wednesday
Thursday
Friday
Other
Email Report
Include Header Row
Include Footer Row
Add New Query
Save Changes to Query
Clear
Saved Queries:
Q ID
Record Type
Query Name
Report Name
Schedule
Date Created
Last Ran
Edit
Delete
Run
Saved Reports
Refer to user manual for information to automate download using API.
R ID
Record Type
Report Name
Query Name
Schedule
Request Date
Date Created
File Name
Delete
Download
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NPA NXX Active Code List (NNACL) / NPA NXX Activity Guide (NNAG)

The NPA NXX Active Code List (NNACL) is composed of data files that help you maintain your internal operations, processes, and databases at peak efficiency with a complete listing of all active NPA NXX codes within the North American Numbering Plan area. Keep track of the ever changing world of these assignments through the NNACL.

The NPA NXX Activity Guide (NNAG) helps you prepare for all future NPA NXX adds, changes and disconnects, as well as last minute changes to active records as the NNAG is considered as a complement to the NPA NXX Active Code List (NNACL) and cannot be subscribed to independently from the NNACL.

This product is a useful resource for:

- Telemarketers, credit card companies, customer service groups, and others maintaining customer lists/databases
- PBX maintenance staff
- Database administrators
- Any party needing to confirm if a given NPA NXX has been assigned

The NPA NXX Active Code List lists all NPA NXX assignments that are active (in service) as of the product date. Data provided includes the assigned service provider (OCN) of the NPA NXX, the type of service that is provided (e.g. wireless) by the assigned service provider, the associated Rate Center and State/Province/Country, and a Portability Indicator. Also included is a file that can be used to translate the Operating Company Number (OCN) to a company name. A user-friendly and dynamic “search” program to facilitate data selection and extraction is also provided with each issue of the product. A general information section explains the data in greater detail.

NPA NXXs in the United States are also often assigned at the Thousands-Block level (e.g. line numbers 0000-0999, 1000-1999, etc.). Where such has occurred, the assigned service provider (OCN) of the block within the NPA NXX and all the data noted above at the NPA NXX level is provided.

As of this writing, approximately 205,000 NPA NXX records and over 850,000 blocks have been assigned and are included in the NNACL. The example provided at the end of this description is a depiction of results from the user interface provided with each copy of the NNACL. Results from queries generated through this interface can be downloaded to your local environment using various user-controlled options. Fixed-width ASCII files data feels are also included with each product should you which to directly use the data from such files in lieu of the user interface. This data can be locally imported into Excel, loaded into locally developed databases, and/or read with applications that can read text files (e.g. Notepad, Microsoft® Word). Reading and processing of the data is a local consideration, based on user needs, processing environment, etc.

Note that companies regulated in the United States by the Federal Communications Commission (FCC) and/or individual state regulatory commissions and, in Canada, by the Canadian Radio-television Telecommunications Commission (CRTC), for the most part, participate in telephone number portability (i.e. a subscriber assigned a phone number, under most circumstances, can have that number managed by any service provider that serves that area). However, the company assigned a numbering resource is the only company that can assign line numbers from that resource to new subscribers, but once subscribers are assigned a numbering resource, they can “port’ their numbers to another provider. At times, this may cross over type of service as well (e.g. wireline to wireless and the reverse) however; the NNACL does not contain individual line level data. However, it does

contain the primary company for the numbering resource (the assigned OCN). Also, from a type of service standpoint (disregarding the service provider), a high percentage of line level data is within the type of service defined by the assigned service provider.

A sample copy of the NNACL, containing abridged, slightly older data, is available for download free of charge, at www.trainfo.com (catalog tab).

The NNAG consists of NPA NXX records associated with future activity reported by service providers (generally covering several months ahead), as well as last minute changes made in the prior month. Data provided includes the assigned service provider (OCN) of the NPA NXX, the type of service that is provided (e.g. wireless) by the assigned service provider, the associated Rate Center and State/Province/Country, and a Portability Indicator. Also included is a file that can be used to translate the Operating Company Number (OCN) to a company name. A user-friendly and dynamic "search" program to facilitate data selection and extraction is also provided with each issue of the product. A general information section explains the data in greater detail.

The primary NNAG file includes an activity code associated with the NPA NXX and its data (E=establish, M=modify, D=disconnect), as well as the date that the activity is currently targeted to occur.

The NNAG does not list active NPA NXX information unless it is associated with a future modification or deletion however; the separately available NPA NXX Active Code List (NNACL) contains a complete list of active codes. TRA does not provide integration processes between the two lists.

The example provided at the end of this description is a depiction of results from the user interface provided with each copy of the NNAG. Results from queries generated through this interface can be downloaded to your local environment using various user-controlled options. Fixed-width ASCII files data feels are also included with each product should you wish to directly use the data from such files in lieu of the user interface. This data can be locally imported into Excel, loaded into locally developed databases, and/or read with applications that can read text files (e.g. Notepad, Microsoft® Word). Reading and processing of the data is a local consideration, based on user needs, processing environment, etc.

A sample copy of the NNAG, containing abridged, slightly older data, is available for download, at no charge, at www.trainfo.com (catalog tab).

The NNAG is only available to NNACL subscribers.

NPA NXX Active Code List:

Produced: first workday quarterly (January, April, July, October)

Distribution frequency: quarterly (January, April, July, October)

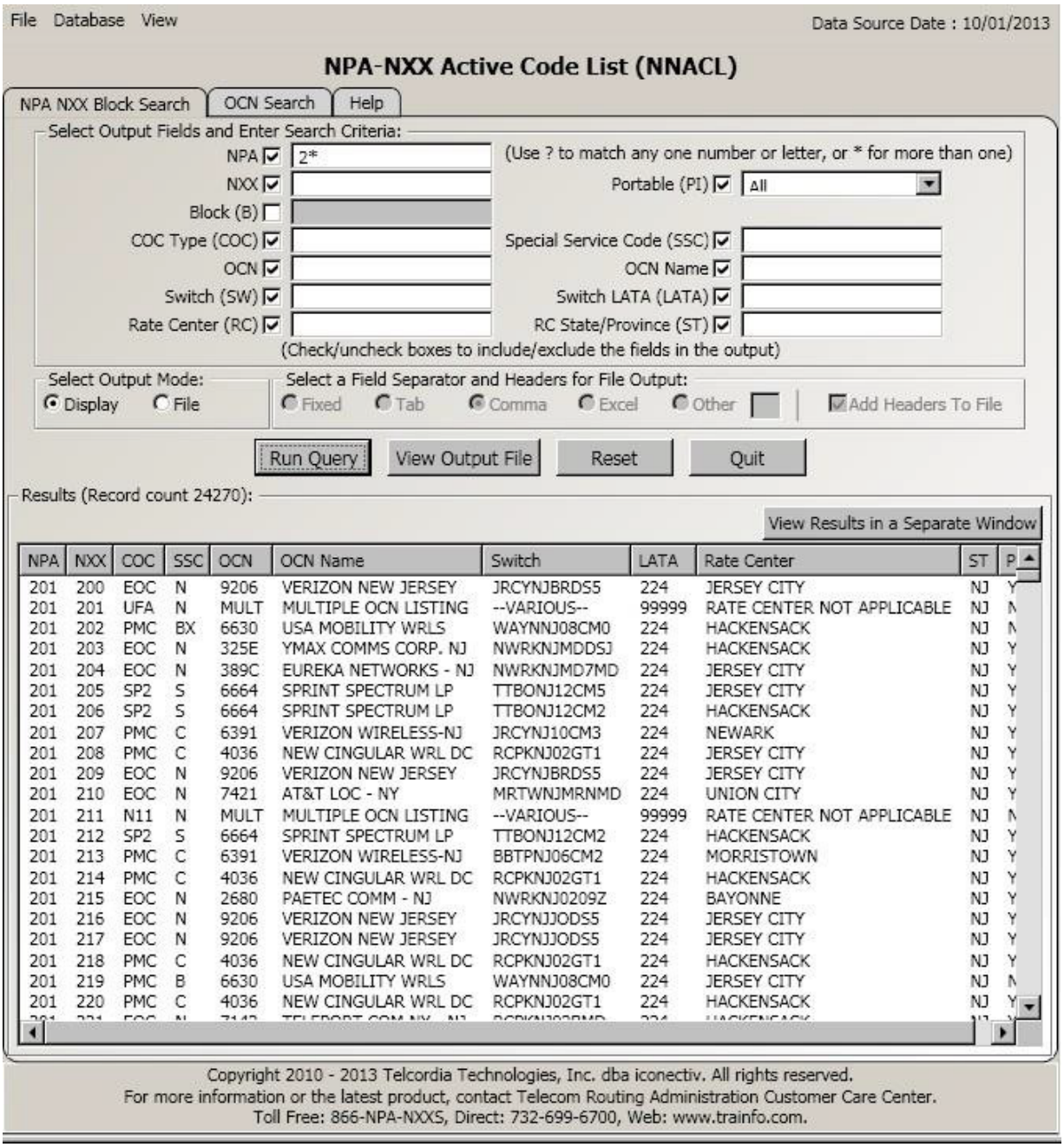
Distribution format(s): web download

NPA NXX Activity Guide:

Produced: first workday monthly

Distribution frequency: monthly

Distribution format(s): web download


File Database View
Data Source Date : 10/01/2013
NPA-NXX Active Code List (NNACL)
NPA NXX Block Search
OCN Search
Help
Select Output Fields and Enter Search Criteria:
NPA 2*
(Use ? to match any one number or letter, or * for more than one)
NXX
Portable (PI) All
Block (B)
COC Type (COC)
Special Service Code (SSC)
OCN
OCN Name
Switch (SW)
Switch LATA (LATA)
Rate Center (RC)
RC State/Province (ST)
(Check/uncheck boxes to include/exclude the fields in the output)
Select Output Mode:
Display File
Select a Field Separator and Headers for File Output:
Fixed Tab Comma Excel Other
Add Headers To File
Run Query
View Output File
Reset
Quit
Results (Record count 24270):
View Results in a Separate Window
NPA NXX COC SSC OCN OCN Name Switch LATA Rate Center ST P
201 200 EOC N 9206 VERIZON NEW JERSEY JRCYNJBRDS5 224 JERSEY CITY NJ Y
201 201 UFA N MULT MULTIPLE OCN LISTING --VARIOUS-- 99999 RATE CENTER NOT APPLICABLE NJ N
201 202 PMC BX 6630 USA MOBILITY WRLS WAYNNJ08CM0 224 HACKENSACK NJ N
201 203 EOC N 325E YMAX COMMS CORP. NJ NWRKNJMDDSJ 224 HACKENSACK NJ Y
201 204 EOC N 389C EUREKA NETWORKS - NJ NWRKNJMD7MD 224 JERSEY CITY NJ Y
201 205 SP2 S 6664 SPRINT SPECTRUM LP TTBONJ12CM5 224 JERSEY CITY NJ Y
201 206 SP2 S 6664 SPRINT SPECTRUM LP TTBONJ12CM2 224 HACKENSACK NJ Y
201 207 PMC C 6391 VERIZON WIRELESS-NJ JRCYNJ10CM3 224 NEWARK NJ Y
201 208 PMC C 4036 NEW CINGULAR WRL DC RCPKNJ02GT1 224 JERSEY CITY NJ Y
201 209 EOC N 9206 VERIZON NEW JERSEY JRCYNJBRDS5 224 JERSEY CITY NJ Y
201 210 EOC N 7421 AT&T LOC - NY MRTWNJMRNMD 224 UNION CITY NJ Y
201 211 N11 N MULT MULTIPLE OCN LISTING --VARIOUS-- 99999 RATE CENTER NOT APPLICABLE NJ N
201 212 SP2 S 6664 SPRINT SPECTRUM LP TTBONJ12CM2 224 HACKENSACK NJ Y
201 213 PMC C 6391 VERIZON WIRELESS-NJ BBTPNJ06CM2 224 MORRISTOWN NJ Y
201 214 PMC C 4036 NEW CINGULAR WRL DC RCPKNJ02GT1 224 HACKENSACK NJ Y
201 215 EOC N 2680 PAETEC COMM - NJ NWRKNJ0209Z 224 BAYONNE NJ Y
201 216 EOC N 9206 VERIZON NEW JERSEY JRCYNJJODS5 224 JERSEY CITY NJ Y
201 217 EOC N 9206 VERIZON NEW JERSEY JRCYNJJODS5 224 JERSEY CITY NJ Y
201 218 PMC C 4036 NEW CINGULAR WRL DC RCPKNJ02GT1 224 HACKENSACK NJ Y
201 219 PMC B 6630 USA MOBILITY WRLS WAYNNJ08CM0 224 JERSEY CITY NJ N
201 220 PMC C 4036 NEW CINGULAR WRL DC RCPKNJ02GT1 224 HACKENSACK NJ Y
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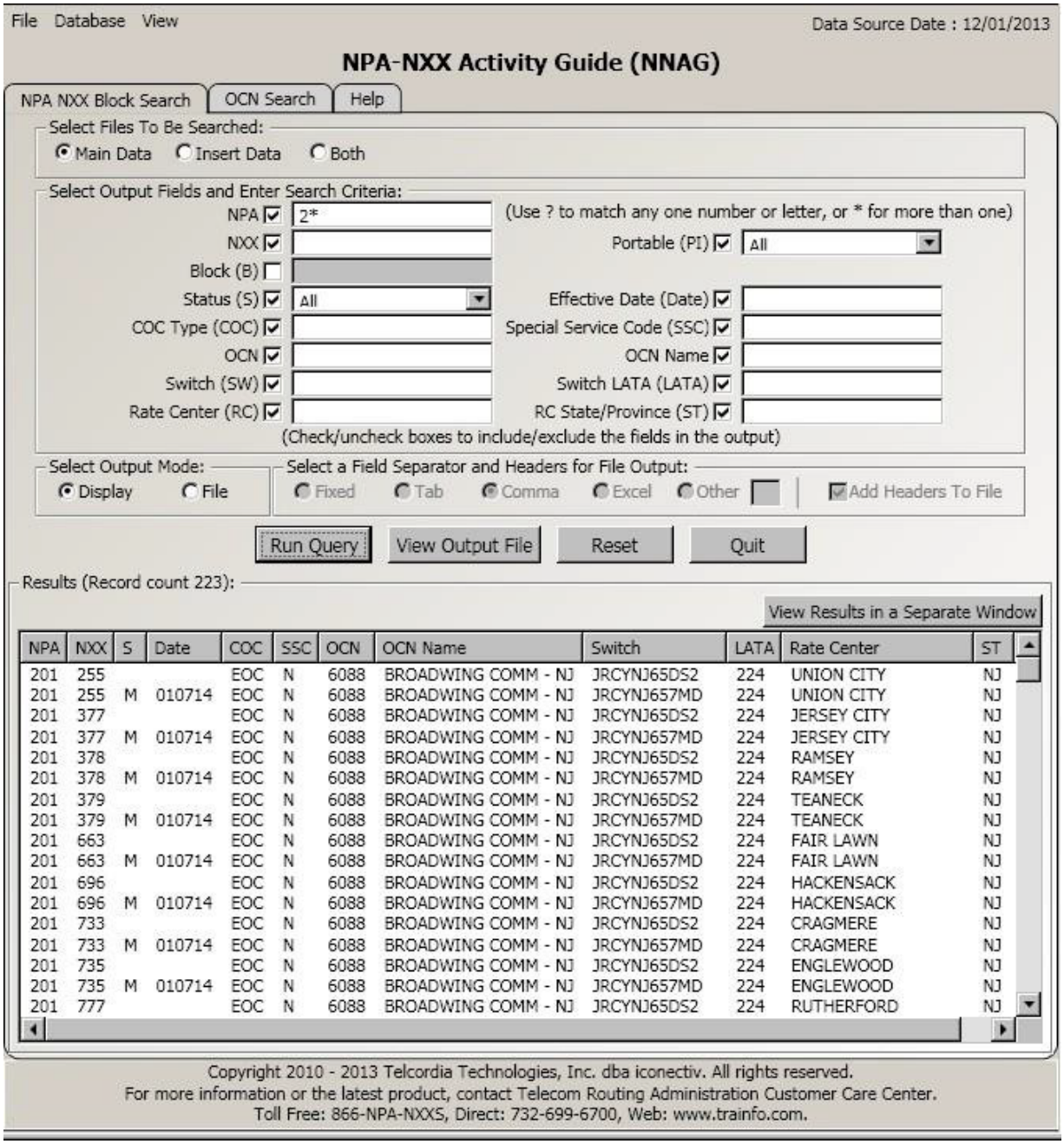
Toll Free: 866-NPA-NXXS, Direct: 732-699-6700, Web: www.trainfo.com.


File Database View
Data Source Date : 12/01/2013
NPA-NXX Activity Guide (NNAG)
NPA NXX Block Search
OCN Search
Help
Select Files To Be Searched:
Main Data
Insert Data
Both
Select Output Fields and Enter Search Criteria:
NPA
2*
(Use ? to match any one number or letter, or * for more than one)
NXX
Portable (PI)
All
Block (B)
Status (S)
All
Effective Date (Date)
COC Type (COC)
Special Service Code (SSC)
OCN
OCN Name
Switch (SW)
Switch LATA (LATA)
Rate Center (RC)
RC State/Province (ST)
(Check/uncheck boxes to include/exclude the fields in the output)
Select Output Mode:
Display
File
Select a Field Separator and Headers for File Output:
Fixed
Tab
Comma
Excel
Other
Add Headers To File
Run Query
View Output File
Reset
Quit
Results (Record count 223):
View Results in a Separate Window
NPA NXX S Date COC SSC OCN OCN Name Switch LATA Rate Center ST
201 255 EOC N 6088 BROADWING COMM - NJ JRCYNJ65DS2 224 UNION CITY NJ
201 255 M 010714 EOC N 6088 BROADWING COMM - NJ JRCYNJ657MD 224 UNION CITY NJ
201 377 EOC N 6088 BROADWING COMM - NJ JRCYNJ65DS2 224 JERSEY CITY NJ
201 377 M 010714 EOC N 6088 BROADWING COMM - NJ JRCYNJ657MD 224 JERSEY CITY NJ
201 378 EOC N 6088 BROADWING COMM - NJ JRCYNJ65DS2 224 RAMSEY NJ
201 378 M 010714 EOC N 6088 BROADWING COMM - NJ JRCYNJ657MD 224 RAMSEY NJ
201 379 EOC N 6088 BROADWING COMM - NJ JRCYNJ65DS2 224 TEANECK NJ
201 379 M 010714 EOC N 6088 BROADWING COMM - NJ JRCYNJ657MD 224 TEANECK NJ
201 663 EOC N 6088 BROADWING COMM - NJ JRCYNJ65DS2 224 FAIR LAWN NJ
201 663 M 010714 EOC N 6088 BROADWING COMM - NJ JRCYNJ657MD 224 FAIR LAWN NJ
201 696 EOC N 6088 BROADWING COMM - NJ JRCYNJ65DS2 224 HACKENSACK NJ
201 696 M 010714 EOC N 6088 BROADWING COMM - NJ JRCYNJ657MD 224 HACKENSACK NJ
201 733 EOC N 6088 BROADWING COMM - NJ JRCYNJ65DS2 224 CRAGMERE NJ
201 733 M 010714 EOC N 6088 BROADWING COMM - NJ JRCYNJ657MD 224 CRAGMERE NJ
201 735 EOC N 6088 BROADWING COMM - NJ JRCYNJ65DS2 224 ENGLEWOOD NJ
201 735 M 010714 EOC N 6088 BROADWING COMM - NJ JRCYNJ657MD 224 ENGLEWOOD NJ
201 777 EOC N 6088 BROADWING COMM - NJ JRCYNJ65DS2 224 RUTHERFORD NJ
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For more information or the latest product, contact Telecom Routing Administration Customer Care Center.
Toll Free: 866-NPA-NXXS, Direct: 732-699-6700, Web: www.trainfo.com.

LIDB Access Routing Guide (LARG)

The LIDB Access Routing Guide (LARG) is a single source for Line Information DataBase (LIDB) access routing data. The data can be used to administer and maintain Signal Transfer Point global title translation (GTT) tables for routing to data sources supporting Alternate Billing Services (certain calling cards, bill-to-third, collect, etc.). It identifies the responsible Signaling Network Control Center (SNCC), the appropriate Line Information DataBase provider, the inter-network route effective date, and the capability code or pseudo point code data. The LARG's format and content are similar to the Calling Name Access Routing Guide (CNARG) that is used to manage access for database queries relative to Calling Name information.

The LARG is a useful tool for:

- Alternate Billing Service providers
- Database maintenance staff
- Increasing accuracy of queries
- Improving GTT performance

A text file that defines data fields, provides contact information, etc., is provided with each issue.

LIDB Access Routing Guide:

Produced: first workday monthly

Distribution frequency: monthly

Distribution format(s): web download

Calling Name Access Routing Guide (CNARG)

The Calling Name Access Routing Guide (CNARG) is a single source of information for accessing information relative to databases containing subscriber Calling Name information. The CNARG data can be used to administer and maintain Signal Transfer Point global title translations (GTT) tables used to route to points that contain this data. The CNARG's format and content are similar to the LIDB Access Routing Guide (LARG) that is used to manage access for database queries relative to alternate billing services information.

The Calling Name Access Routing Guide is a useful tool for:

- Calling Name service providers
- Database maintenance staff
- Increasing accuracy of queries
- Improving GTT performance

A text file that defines data fields, provides contact information, etc., is provided with each issue.

Calling Name Access Routing Guide

Produced: first workday monthly

Distribution frequency: monthly

Distribution format(s): web download

Product Ordering / Licenses / Other Services

Product Ordering Process

Ordering a TRA product is a two-step process. Once you have decided on which products may meet your needs, please follow these steps:

Obtain a Price Quote - To obtain a price quote, complete the TRA Price Request Form available on the TRA Website (https://trainfo.iconectiv.com/product-ordering-process). The first section is used to identify general contact information and the second section is the company profile, which is used as input to determine pricing. Once the TRA Price Request Form is received by TRA, TRA will respond within two business days either with a quoted price(s) or, requesting further information that may be necessary to determine such.

Submit an Order - After reviewing the price quote, if you wish to proceed to order a product(s), please complete a TRA Order Request Form. List the product(s) you have chosen to license along with the quoted price(s). Also, include the required shipping and billing addressee information and indicate the billing method along with Purchase Order Numbers, if applicable, and sign the order form. Submit the completed Order Form as described on the form.

TRA Price Request Form is available on the TRA Website and the Order Request Forms are available by contacting the TRA Customer Care Center.

TRA Enterprise Licenses

- All TRA product licenses are “Enterprise Licenses” that grant ALL employees in a company or specific Line of Business (LOB) unlimited access to the TRA data product for internal job functions within the specific company Line of Business (LOB) obtaining the license.
- The LERG™ Routing Guide One-Day Changes Process product is included as an option with an Enterprise License for the monthly subscription LERG™ Routing Guide at no additional charge.
- The NPA NXX Activity Guide (NNAG) is available to NPA NXX Active Code List (NNACL) Enterprise Licensees only.
- The TRA products may be copied, duplicated, or loaded onto any licensee’s employee’s local computer, a LAN, WAN, server, Operations Support System, or other networked device that is accessed by all employees and downstream systems within the specific company Line of Business (LOB) obtaining the license.
- Data **may not** be extracted in whole or in part for use in derivative products or services for distribution, license, or sale outside the company or LOB.

Restrictions on Using TRA Data

TRA strictly prohibits the use or provision of data from its products (in whole,in part, or any dervitive of) outside of the company Line of Business defined under a given Enterprise License. However, special licenses may be arranged on a case by case basis. Please contact the TRA Customer Care Center to inquire about a special license.

Extended Product Support Services

TRA can provide customers with services that go beyond answering routine questions and similar basic product support. Such can include, but is not limited to:

- Extracting detailed report information, file data, etc., from specific products should the customer not have the time, expertise, etc., to do so.
- Correlating, assessing, etc., user supplied data in relation to TRA product data.

TRA reviews each request for extended product support services on an individual case basis. After the review, if determined TRA can provide such service, an approximate amount of time and a price to complete the requested work will be quoted. Such services may be cost beneficial when trying to obtain specific information and not familiar with the data.

For additional information, contact TRA Customer Care Center at 866-NPA-NXXs (866-672-6997) or 732-699-6700.

Payment Information

Payment and Billing Terms

Product subscriptions are billed on an annual basis. Payment is due within thirty (30) days of the date of the invoice. Overdue payments are subject to late charges and interest in accordance with the TRA Product License Terms and Conditions. All payments must be made in U.S. dollars and drawn on a U.S. bank.

Taxes

Customers are responsible for remitting appropriate taxes relative to the product or service purchased. Taxes are based on several factors including the type of product or service involved and any jurisdictional taxes (e.g. sales, state, local, provincial) that may apply. Tax requirements are based on the "primary user/ship-to" address provided by the customer on the order form regardless of the distribution format used to obtain the product.

Subscription Term

TRA product licenses are considered evergreen in nature, meaning the intent is to continue to distribute the product unless specifically terminated by either party. This ensures that you are afforded uninterrupted receipt of a product that may be directly tied to internal processes run by your company. To ensure your awareness of when the billing term of your license is nearing conclusion (usually an annual period), you will be notified of upcoming billing for a new term to permit for continued receipt of the product.

Termination Policy

TRA may terminate the TRA product license(s) if the licensing party breaches any of the obligations contained in the TRA Product License Terms and Conditions and such breach is not remedied within thirty (30) days following notice specifying such breach.

Refund Policy

There are no refunds of the fees paid for product subscriptions. If you are uncertain as to what a particular product contains or how/if you will be able to use it, please call the TRA Customer Care Center at 866-NPA-NXXs (866- 672-6997) or 732-699-6700 to discuss your needs and/or, download and assess a sample copy of the product from www.trainfo.com before submitting an order.