iconectiv

TruOps Telecom Routing Administration (TRA)

TPM™ Data Source Glossary

Appendix A

iconectiv System Documentation
BD-TRA-TPM-GLOSSARY
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Trademark Acknowledgments

- iconectiv is a registered trademark. TPM is a trademark of iconectiv, LLC.

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Appendix A

This appendix is common to the TruOps TRA TPM™ Data Source and the Operating Telephone Company Numbering Plan Guide (OTCNPG). Fields are listed alphabetically.

The purpose of this appendix is to clarify certain fields and to provide translations for coded values used in certain fields. It is not intended as an all-inclusive glossary, data dictionary, or tutorial. Identification of the file(s) a field is associated with is sometimes provided. If not provided for a data field, the field definition applies to all files in which it is found. If a listing of permissible values is provided, any values not appearing in the logical sequence (e.g. a missing number or letter) implies those values are not currently used.

Last Update Date of this document refers to the date a substantive change (addition/removal of fields) occurred. If changes made only comprise cosmetic changes, minor wording changes, isolated addition/removal field values for a large listing, the last update date of this document will not be altered. Effective Product Date refers to the TPM file specifications that the noted fields correlate to in total.

Field/Term	Description and/or Field Values
ABEC	CIID files. Alternate Billing Entity Code
ABEC Indicator	CIID files. Indicates that Card Issuer's Billing Code is and ABEC (1), or is not (0).
Account Name	OTCNPG Business Office file only. Currently always Business Billing. Historically included other values as well, e.g. Residence.
ACNA	CIID files. Access Customer Name Abbreviation code
Activity Type	INTLMX file. Activity status of the NDC A = Add (new to the current product) D = Delete (has been disconnected and will no longer appear in the TPM ongoing (unless reassigned)) ❖ **Note**: A 'change' to previously reported data will contain both a line with a "D" (old data) and a line with an "A" (new data).
Administrative Division	INTLMX File. Additional information relative to the administrative area covered by the NDC. This could be the name (or abbreviated name) of the area, providence, state, canton, etc., associated with the NDC.
Administrative OCN (AOCN)	An "Operating Company Number" OCN used to identify the company responsible for inputting and maintaining the data in the iconectiv Business Integrated Routing and Rating Database (BIRRDS) (i.e. the database source for many TRA data products). (See also OCN.)
Area Code	INTLMX file. Similar to NANP Area Code (NPA) but may not be three digits.
Beginning of CIID Assigned Range	CIID files. The first number in a six-digit continuous range of Card Issuer IDentification (CIID) numbers.

Field/Term	Description and/or Field Values
Bill to RAO	The "Bill to" Revenue Accounting Office (RAO). In TPM and OTCNPG files, if this is an "additional" RAO, the "main" RAO will be in the "Send to RAO" field.
Billing Agent or Host Name	CIID files. If the RAO field of the record is populated, this is a CMDS Host Company Name or the Billing Agent's Name. If RAO is 000, this is the Billing Agent's Name.
Billing Identifier (Billing ID)	INTLMX file. A 10-character billing identification abbreviation associated with the NDC that can be used for billing purposes.
Block ID	TPM only. When numeric, 0-9, this identifies information regarding the specific “thousands block” (i.e. 5 implies the range 5000-5999) of numbers assigned a company or otherwise split NXX. Block ID “A” indicates information regarding the NXX level data as assigned a company. All NXXs will have a record with Block A; those NXXs in which thousands blocks are also exist will have 0-9 records as well. Note that 0-9 Block IDs will appear for the Block IDs identified by the service provider(s) (i.e. if an NXX has subtending Blocks, not all BLOCK IDs may appear).
BOC	Bell Operating Company. Essentially the Local Exchange Carriers (LECs) (providing local exchange service) that were a part of AT&T in 1983. Also, see LEC.
Business End Time	Close of business time of day for the business associated with the Toll Library.
Business Office Code	OTCNPG only. A three digit code chosen by the data provider, by NPA, used to map the NXX or Thousands Block to OTCNPG Business Office data.
Business Start Time	Start time of the business associated with the Toll Library.
Card Issuer's Billing Code	CIID files. CIC or ABEC code.
Card Issuer's Address (Line x) (City, State, Zip Code)	CIID files. Address information of company assigned CIID code.
Card Issuer's Name	CIID files. Name of company assigned a CIID code.
Change Code (non CIID files)	Used to indicate some aspect of the record has changed from the previous product. Change Codes do not appear in the OTCNPG, except for the NXX file. All may appear, if the specific change occurred during the month, in the TPM master file. Except for “blank” and A, all may appear in the TPM “activity” file as well. ❖ **Note**: A record that is to be effective in the future (relative to the product’s timeframes) will indicate a change occurred through use of a “B” regardless of the number of fields that may have changed. (Blank) = No Change 2 = Dialable Indicator

Field/Term	Description and/or Field Values
	3 = Place Name and/or Locality Name and/or Rate Center Name and/or associated state 4 = Major Vertical and/or Horizontal Coordinate (note: a change to only minor V&H's will have a "4" appear in the Minor V&H file only) 5 = Time Zone and/or Daylight Savings Indicator 6 = RAO Code (Note: In the SCC file this indicates an NPA Code change) 7 = Operating Company Number (OCN) 8 = Other Line Rate Step 9 = Multiple Changes A = Awaiting Effective Date (but no data change) (NXX will be activated in the future) (will not appear in the "activity" file of a product) B = Any data change to a record in an "A" state C = Literal Company Name D = Deletion E = Effective Date of Change (note: an E may indicate that a data element associated with the NXX, but not a part of the given file data, has changed) F = No longer used G = AOCN H = Point ID J = Company Type K = No longer used L = LATA and/or LATA Subzone M = Business Office Code (OTCNPG only) N = New record (was not in primary file of previous product) P = IDDD Indicator Q = Rate Center Name Abbreviation and/or Rate Center Type R = NXXTYPE T = Portability Indicator U = Cancellation of a Z code appearing in previous product V = Thousands Block Pooling Indicator W = Send to RAO Z = True routing disconnect date is in current, previous, or second previous product window. Data retained for bill

Field/Term	Description and/or Field Values
	reconciliation needs. (data change is not implied)
Change Code (only CIID files)	Used to indicate some aspect of the record has changed from the previous product. Not applicable to the OTCNPG. 0 = No Change 1 = Card Issuer's Name or Address 2 = Card Issuer's Code 3 = ABEC Indicator 4 = ACNA 5 = Validation Data Base Operator 6 = Billing Agent/Host Name 7 = Billing Agent/Host RAO Code 8 = End Range 9 = Multiple Changes A = Awaiting Effective Date (but no data change) (NXX will be activated in the future) D = Deletion E = Change in Effective Date of Change N = New record (was not in primary file of previous product)
Change of Address Indicator	RAO file only. 0 = no RAO Contact information has changed from the prior month's data. 1 = some RAO information has.
CIC	Carrier Identification Code. These codes are administered by NANPA.
CIID	Card Issuer IDentification code. iconectiv, via the RAO Administrator, administers these codes. These are issued in lieu of RAO/01XX calling cards to companies who may not have an RAO associated with them.
City Code	INTLMX file. Similar to NANP NXX Code but may not be 3 digits (may not always pertain to only one particular “city”)
CLEC	Competitive Local Exchange Carrier (see LEC)
CMDS	Centralized Message Processing System (CMDS) is a means for local exchange carriers to exchange certain alternate billing messages among each other (e.g. a collect call from one carrier’s area to another’s)
CNA Information Indicator	OTCNPG NPA file only. 0 = no CNA information exists. 1 = CNA information exists.
CNA Information	OTCNPG NPA file only. Provides contact information for one office in an NPA that can be contacted regarding Customer Name and Address (CNA) information.

Field/Term	Description and/or Field Values
Company Code	This field is no longer of value to TPM subscribers; therefore beginning with the February 2021 TPM product, the Company Code field will be populated with 00 in all cases. The Company Code was originally populated with a code equaling the last two digits of the Bell Operating Company (BOC) operating in the area of the assigned NPA NXX. The Code was used by some billing systems in the 1980s for varying purposes. This term/field has been in use since before 1984 and should not be confused with Exchange Carrier Company Codes that serve as a subset of OCN values.
Company Type	0 = BOC Exchange Carrier 1 = Independent Exchange Carrier (incumbent LEC) 2 = Interexchange Carrier 3 = Radio Common Carrier 4 = Cincinnati Bell and Southern New England Telephone 5 = Cellular Carrier 6 = Internet Service Provider (ISP) 7 = Service Exchange Company (e.g. CLEC) 8 = Personal Communication Services (PCS) Service Provider 9 = NXX applies to multiple companies (OCN=MULT)
Copyright and Notice	This is a text statement indicating specific Copyright and/or Notice of Limitations regarding the data in a given product.
Country Code	INTLMX file. International Telecommunications Union (ITU) assigned Country Code (E.164)
Country Name	INTLMX file. Short name of country in English (ISO standard)
Daylight Savings Observed Indicator	0 = Not observed, 1 = Observed, for the given NXX. Note: If Time Zone = 0 (i.e. Not Applicable), the NXX involved is an ODDBALL code, or has some unique characteristics – in these cases, Daylight Savings may or may not be indicated as applicable by the NXX or Block assignee. Note: Daylight Savings start/stop dates and times may vary where it is indicated that it applies. This is especially true when considering the different countries involved with the NANP. The TPM does not provide or maintain such start/stop information.
Daylight Savings Time (DST) start	INTLMX file. The DST start date and time, when applicable. (yyyymmddhhmm)
Daylight Savings Time (DST) end	INTLMX file. The DST end date and time, when applicable. (yyyymmddhhmm)

Field/Term	Description and/or Field Values
Dialable Indicator (DIND)	This field reflects whether at least one active telephone number within an NPA NXX and/or block is dialable by the customer or by an operator. 1= yes, dialable; 0= no, not dialable.
Direct CMDS Participant / Hosting OCN	RAO file only. For an RAO Indicator value of 2 or 3, this identifies the OCN of the company that is a Direct CMDS participant. In cases where the RAO is not actually assigned to the direct participant, this identifies the direct participant that is hosting the RAO in CMDS.
Effective Date of Assignment	For TBPIND = 1 (yes), this is the date the block or NXX (block "A") assignment was (or will be) made effective. On or after this date the company assigned the block or NXX may assign lines to subscribers.
Ending of CIID Assigned Range	CIID files. The last number in a six digit continuous range of Card Issuer IDentification (CIID) numbers.
Effective Date	INTLMX file. (mm/dd/yyyy) - This indicates the last effective date of change. If no changes were ever made to the record, this would be the establishing date. . For records with Activity Type of D, the date is not a disconnect date.
Effdate of Last Change	(mmddyy) - The last "effective date" of the last data changes to the record. This may be in the future in certain cases. The intent of this field is to provide a reference for recent, relatively near term, changes that occurred should the user need to research or reconcile past changes. Note that this date, when in the past simply reflects the latest effective date of a past change to this record. If no changes were ever made to the record, this would be the establishing date. The date reflects the date in the underlying database to the TPM. The underlying database does not have records that go back beyond approximately 5-7 years, and such older data is occasionally "rolled-up" into a more recent date.
filler	A once used (or planned to be used) area of a record layout that does not currently correspond to any data element. Filler areas should always contain blanks. Filler areas exist to minimize disruption to user-specific processes that are based on the position of fields in files when fields are added or removed over the course of time.
IDDD Indicator	0 = indicates that International Direct Distance Dialing (IDDD) cannot originate from the NPA NXX. 1 = indicates it can.
ISO2 Country Abbreviation	INTLMX file. Two character ISO country code.
LATA	Local Access Transport Area (3 numerics), may be 000 in certain cases. This is intended to be the LATA of the Rate Center (note that the LATA of where the switch is physically located may be different)
LATA Subzone	Finer LATA breakdown (Florida only) (2 numerics). The Florida Public Utility Commission established these in 1984. Applicability pertained to BellSouth and was adhered to by some major

Field/Term	Description and/or Field Values
	independent carriers in the areas. Depending on the carrier involved, Florida LATA data may or may not be used to qualify the Subzone.
LEC	Local Exchange Carrier. Traditionally, the one Bell Operating Company (BOC) or an "independent" carrier that was designated to provide local exchange services in a specific geographical area. With the introduction of cellular services and local competition, the ongoing use of this term can be confusing. Terms such as Alternate Exchange Carrier (AEC), Other Local Exchange Carrier (OLEC), Alternate Local Exchange Carrier (ALEC), Competitive Access Provider (CAP), etc. have been used to distinguish competitive carriers from traditional (also called incumbent) LECs. Varying terminology is the result of usage and definitions arising from individual state utility commissions. State and federal regulations, procedures, and processes may also apply differently to these various types of companies. Also, see CO TYPE.
Library Code	OTCNPG Toll Library file only. A two-character code uniquely identifying a Toll Library.
Locality	INTLMX file. The name of the city associated with the NDC codes. In the case of mobile and special service codes there may not be a specific city associated with the code.
Locality Name	OTCNPG NXX files. 50-character field identifying the properly spelled out full name of the "locality" to which an NXX is associated. Often synonymous with Place Name. This does not imply that the NXX is assigned solely to the identified Locality Name since NXX line numbers can be assigned anywhere within a given Rate Center. Often the Locality Name is the same as the Rate Center Name. Some service providers may use a Locality Name different from its Rate Center Name for easier recognition, because most lines may be assigned to that Locality Name, etc.
Locality State	OTCNPG NXX files. Standardized two character state, province, or country abbreviation associated with Locality Name. See table at the end of this appendix.
Major Horizontal Coordinate	Along with vertical coordinates, a means to identify a specific geographical point. Derived from longitude and latitude. Used primarily for distance computations in rating calls. ❖ **Note:** Horizontal coordinate values in the Caribbean are preceded with a negative sign to properly align them within the North American V&H coordinate grid work and to ensure distance computations provide proper results.
Major Vertical Coordinate	Along with horizontal coordinates, a means to identify a specific geographical point. Derived from longitude and latitude. Used primarily for distance computations in rating calls.
Maximum number of dialable digits	INTLMX file. The maximum number of dialable digits, including the country code. This field pertains to the overall country dialing plan, not the specific NDC.

Field/Term	Description and/or Field Values
Minimum number of dialable digits	INTLMX file. The minimum number of dialable digits, including the country code. This field pertains to the overall country dialing plan, not the specific NDC.
Minor Horizontal Coordinate	Also, see major horizontal coordinate. Minors are used in certain areas to permit distance computations for calls within the area. ❖ **Note:** Minor V&H Coordinates in Alaska are computed using a different algorithm.
Minor Vertical Coordinate	Also, see major vertical coordinate. Minors are used in certain areas to permit distance computations for calls within the area. Note: Minor V&H Coordinates in Alaska are computed using a different algorithm.
NANP(A)	The North American Numbering Plan (NANP) is a set of guidelines supporting the use of telephone numbering consistent with what is followed in the US. The NANP constitutes the area that was formerly designated as World Zone 1 by the International Telecommunications Union (ITU). The NANP currently comprises the United States, Canada, parts of the Caribbean and Atlantic, American Samoa, Guam, and the Commonwealth of the Northern Marianas. The (A)dministration aspects of this plan are currently performed by whatever company has been designated to do so by the FCC. Although the FCC has overall jurisdiction for the NANPA, individual NANP country regulatory agencies have autonomous powers in how numbering assignments are managed in their countries.
National Destination Code (NDC)	INTLMX file. National Destination Code: e.g. Area Code + City Code – may include additional dialing digits if applicable (for some countries this may just be the Area Code, or Area Code + City Code or a combination of both). Note: Mexico has 2 types of mobile assignments – Mobile Party Pays (MPP) and Calling Party Pays (CPP). No Mexico “area codes” begin with “1”. Per a Cofetel requirement, all CPP calls originating outside of Mexico for termination within Mexico MUST be prefaced with a “leading digit 1” after the Country Code. These numbers will be 13 digits in length (includes country code). Example: + 52 1 5524351690. The TPM prefaces a “1” to all mobile CPP NDCs in the INTLMX file.
Note(s)	OTCNPG (various files) only. Provides additional information about the given record.
NPA	Numbering Plan Area (Area Code). For Mexican data, this field is populated as 052 and is technically not a true NPA, but relates to the Mexico Country Code value of 52.
NXX	NXX (N=2-9, X=0-9) (also called exchange, prefix and Central Office (CO) Code). For Mexican values, this not a true NXX but rather pertains to the Mexican numbering region code (NIR - Número Identificador de Región) – in cases of 2 digit NIRs, records having 1-9 as the third digit exist.

Field/Term	Description and/or Field Values
NXXTYPE	Provides information on how the NXX is being used. 00 = Regular (Plain Old Telephone Service (POTS)) 01 = Dedicated to Mobile Radio - (Improved Mobile Telephone Service (IMTS)) 02 = Dedicated to Paging 04 = Dedicated to Cellular 05 = Test Code 09 = 9YY Service 11 = Information Provider Services 13 = Directory Assistance 15 = Official Exchange Service 16 = Originating Only 17 = Billing Only / Planned Code 18 = Dedicated to Voice over Internet Protocol 30 = Broadband 50 = Shared between 3 or more - (POTS, Cellular, Paging, Mobile, or miscellaneous) 51 = Shared between POTS and Mobile 52 = Shared between POTS and Paging 53 = Shared between POTS and VoIP 54 = Shared between POTS and Cellular NXXTYPEs 55-58 - These indicate a dedicated code assigned to a (cellular, paging, mobile, (or shared among 2 or 3 of these)) service provider, for the specified service AND the 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. 55 = Special Billing Option - Cellular 56 = Special Billing Option - Paging 57 = Special Billing Option - Mobile 58 = Special Billing Option shared between 2 or more - (Cellular, Paging, Mobile) NXXTYPEs 60-63 - These indicate a dedicated code assigned to a (cellular, paging, mobile, (or shared among 2 or 3 of these)) service provider, for the specified service AND the service provider has requested LEC IntraLATA special billing option on a SELECTIVE exchange basis. IntraLATA toll calls originating from LEC landline

Field/Term	Description and/or Field Values
	subscribers, in SELECTIVE exchanges, are billed to the service provider as specified by state tariffs. 60 = Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option - Cellular 61 = Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option - Paging 62 = Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option - Mobile 63 = Combinations of 60, 61, and 62 64 = Personal Communications Services (Non-geographic) and NPA 600 65 = Personal Communications Services (Geographic) 66 = Shared between POTS and Personal Communications Services (Geographic) 67 = Special Billing Option - PCS and Personal Communications Services (Geographic) 68 = Service provider requests SELECTIVE Local Exchange Company IntraLATA Special Billing Option – PCS and Personal Communications Services (Geographic) 77 = Oddball Codes - 77 is used for Oddball NXXs codes such as 411, 700, etc. which are either processed and/or used differently by the carriers who may use them or are not specific to a given Rate Center, etc. Some NXXs may be considered Oddball codes, however they may have unique NXXTYPEs already assigned (e.g. NXXTYPE 11, 30, etc.). Oddball codes are essentially special use codes. In some cases, an Oddball code may be specific to a carrier and to a specific Rate Center in which case another NXXTYPE code would likely be used.
Oddball Codes	Oddball codes are NXXs, and numeric blocks if applicable, that are special use codes (NXXs) as noted below. Some of these codes are generic (not technically assigned to a single carrier) and thus may be processed differently by each carrier (e.g. 411). Supporting information for these general codes is generally minimal; however, they are included in the data to positively indicate their existence. Some Oddball Codes may be assigned to specific carriers, but are handled via special tariffs or have other aspects associated with them that may make data associated with a 'standard" NXX (e.g. Rate Center, Time Zone, etc.) not applicable. Also, see NXXTYPE 77 and OCN MULT. In some cases a specific NXXTYPE value may exist, and is so noted. Also, in some cases of specific NXXs (e.g. 958, 976, etc.) may be an assigned for standard telephony service (generally historically embedded situations) in which case they would reflect appropriate data for a standard NXX. Use of some NXX specific

Field/Term	Description and/or Field Values
	codes (e.g. 976) may also vary depending on the jurisdictional body managing numbering within the NANPA country. The following generally are addressed in a similar manner between the United States and Canada. Advanced Intelligent Network - Usually a routing code (NXX) assigned to a Local Service Provider (LSP) offering a wide range of circuit switched services and utilizing elements of Advanced Intelligent Network (AIN) platforms to determine proper termination of a call. AIN codes may terminate to different locations dependent upon where the call originates, and requires a database application and/or query for processing Billing Only - A non-ratable NXX used for billing purposes only. These codes are used to generate bills, but are not dialable or switched through the PSTN. (NXXTYPE 17) Broadband - An NXX assigned for multiple Broadband service offerings. Currently, these codes are not ratable in the PSTN; however, this is subject to change. Subscriber bills for usage are generated for Broadband telephone numbers. (NXXTYPE 30) Customer Directory Assistance only (line number 1212) - This COCTYPE value is used as secondary means of flagging "555" (i.e., DA line numbers only, line number 1212) CO Codes (NXXs). NXX 555 line numbers, beyond x1212 for directory assistance were once assigned by NANPA and are not applicable to this document. NXX 555 line number assignment procedures (other than x1212) are in ATIS-0300048 (formerly INC document INC 94-0429-002). (NXXTYPE 13) however, the assignment of 555 line numbers by NANPA has been sunset effective 2016 Cable Television - An NXX assigned for subscriber access to a cable television company. The telephone numbers are usually assigned on a 7-digit basis, are ratable on a limited basis, and may be used to determine subscriber charges for selective viewing or special events. Emergency Preparedness - A non-N11 NXX used for emergencies and disaster recovery (i.e. earthquakes, floods, etc.) Feature Group B Access - NXX 950. Used for truck side termination arrangements that provide state FGB originating and terminating exchange access. High Volume - indicates an NXX or block from which the assigned company provides line numbers to address cases involving a high volume of calls over a short period of time (e.g. media promotional call-in requests, certain emergency and relief situations, etc.). The NXX or block involved is not associated with a given Rate Center or switch. Assigned HVL numbers may also often be referred to as “Mass Calling” numbers. Information Provider - An NXX or block used uniquely for providing various “information services." These include NXX 976 and “976 Like” codes. “976” is reported assigned in an NPA when there is a state tariff (or other regulatory body decision) defining its use. (NXXTYPE 11) NXXs 211 through 911. Note:

Field/Term	Description and/or Field Values
	(1) 411, 711, and 911 are nationally designated numbers that should be operational in every NPA in the U.S., U.S. Territories, and Canada (2) "Activation" of other N11 numbers could vary by state or province (3) In Canada, 511 is currently unassigned (4) N11 assignment in other areas of the NANP may vary and are defined by the Code Administrator in each country. Additional N11 information can be found in Section 1.4.2 of the LERG General Section. Open Network Architecture - An NXX assigned exclusively for ONA services. The NXX may be dialable on a company-wide, region-wide, or other limited calling area. Planned - Planned Code - non-routable. Currently used infrequently by some companies to address situations that do not readily conform to other permissible values. PLN codes cannot be ported or pooled. (NXXTYPE 17) Routing Only - An NXX used by an LSP for administrative or official calling purposes. Assigned telephone numbers consist of the pseudo NXX and a four-digit line number. Routing codes are dialable on a 7-digit basis only and are not associated, dialed, translated, nor terminated with a Home or Foreign NPA. Such codes may terminate to multiple locations dependent upon where the call originates, and usually require 7-digit routing and code conversion in the translations process. Routing codes are not rated. Unavailable for Assignment - Certain NXXs may be deemed unavailable for assignment for various reasons. For example, NXXs may be protected in a specific NPA (withheld from assignment) due to certain characteristics and interrelationships between the NPA and NXXs involved, dialing plans, etc. - which, if assigned would create routing and rating conflicts. NXXs may also be considered unavailable for assignment for various other reasons. 700 IntraLATA Presubscription - dialing (home NPA)-700-xxxx is used for subscribers' access into their presubscribed IntraLATA provider's network. x4141 is reserved to provide an indication to subscribers as to what network they are presubscribed. NXX 700 can only be assigned as a standard Central Office (CO) Code if the assigned company agrees to reserve x4141 for the indicated purpose.
Operating Company Number (OCN)	This four-position alphanumeric field is a method for identifying an NXX or Thousands Block assignee, switching entity company, non-facility-based service providers such as resellers, billing service providers, etc. The term has been defined by TRA and employed in this capacity since 1984. A complete listing of OCNs and the "names" of the companies they refer to are contained in the TPM and OTCNPG. In most instances, the OCN value will be a Company Code assigned by NECA (National Exchange Carrier Association), formatted nXXX

Field/Term	Description and/or Field Values
	where n=0-9, X=0-9,A-Z. If a company does not require a NECA-assigned Company Code, the Telecom Routing Administration (TRA) may uniquely assign an OCN for tracking purposes (formatted aXXX where a=A-Z, X=0-9,A-Z). TRA assignment of OCNs includes, but is not limited to, the following types of situations: • OCNs of NXXs within Service Access Codes. • Administrative OCNs (e.g. AOCN-only companies). ❖ **Note**: An OCN of MULT pertains to certain "Oddball Codes" which are included with NXX data to note their existence, but are mangled and handled in varying ways by different carriers. These codes are not directly assigned to any given carrier. ❖ **Note:** For various reasons, not all OCNs that are listed in the OCN file will appear in other files. Reasons include OCNs assigned to companies that have yet to have NXX assignments, use of an "overall" OCN by some companies in lieu of state-specific OCNs, etc. ❖ **Note:** OCN file - On occasion, and for various reasons, a NECA assigned Company Code that may be used as an OCN may be "expired" by NECA. However, for purposes of completeness and for user reference, such cases will continue to be provided in the OCN file. These OCNs technically should not appear in any other file.
Other Line Rate Step	Coded information used in determining the rating used by some carriers for areas outside the US, US Territories, and Canada. In the case of Mexican data, this pertains to bands 1-8. Note: in the INTLMX.DAT file the values for Mexico appear in the Rating Indicator field. 00 = not applicable 01-08 = Mexico 54 = Bermuda 55 = Sint Maarten 56 = Dominican Republic 57 = Bahamas 81 = Jamaica EV = Cayman Islands J1 = St. Vincent J4 = Anguilla J6 = British Virgin Islands J7 = Turks & Caicos JE = Antigua JV = Dominica

Field/Term	Description and/or Field Values
	JW = Grenada JX = Montserrat JY = St. Kitts & Nevis JZ = St. Lucia QN = Trinidad & Tobago QR = Barbados
PCS	Personal Communications Services. This comprises a range of services that provide subscribers with increased control over their communication set-ups.
Place Name (or Service Name)	Identifies the general location or service of each NPA NXX and/or block. When 10 characters, the abbreviated place "name" (or service name) used by many customer billing processes to appear on bills. The 50-character field spells out the name. This does not imply that the NXX is assigned solely to the identified Place Name since NXX line numbers can be assigned anywhere within a given Rate Center. Often the Place Name is the same as the Rate Center Name. Some service providers may use a Place Name different from its Rate Center Name for easier recognition, because the majority of lines may be assigned to that Place Name, etc.
Point Identification	Used by some legacy billing and rating systems to identify specific territories and services when applicable. Values not listed (e.g. 1) are no longer used. 0 = Non-protected 48 states 2 = Canadian Point 3 = Alaskan Point 4 = Caribbean Point 6 = Hawaiian Point 9 = 9YY Service B = Personal Communications Services (Non- geographic) (5XX-NXX, 600, 6YY (YY = 22 33 44 55 77 88)) C = non-Hawaii Pacific Point (Guam, the Commonwealth of the Northern Mariana Islands (CNMI), and American Samoa)
Portability Indicator	A “1” (yes) in this field indicates that at least one line number in the NPA NXX may be ported either due to Thousands-Block-Number Pooling and/or Service Provider Local Number Portability. Porting involves mapping a given line number to a Location Routing Number (LRN) via the Number Portability Administration Center (NPAC) for routing the call (the basic process of Local Number Portability, LNP). ❖ **Note**: Line numbers associated with paging are not to be considered Service Provider portable. In cases were an entire NPA NXX or an entire thousands block is dedicated to paging numbers, the PORTABLE indicator will be “0” (no).

Field/Term	Description and/or Field Values
Primary or Secondary (POS)	INTLMX file. Indicates whether number is (P)rimary or (S)econdary. Used when multiple place names have the same NDC. The Primary number is the first NDC. Secondary numbers are all NDCs that follow the first instance of the NDC. No other significance should be given to the Primary/Secondary values.
Range	In the TPM, for Thousands Block Pooling or other “range-split” NXXs, this identifies the assigned range of numbers in a block. Also, see Block ID and Thousands Block Pooling Indicator.
RAO Code	Also, see "Bill to RAO". RAO stands for Revenue Accounting Office. This is a three-character code, assigned by iconectiv via the RAO Administrator. It is required in the processing of calls through the Centralized Message Distribution System (CMDS) and related systems.
RAO Code Type Indicator	1 = a non-hosted company (i.e. does not participate in the CMDS process either as a direct participant or by being hosted by a direct participant) 2 = a Nationwide RAO code (participates in CMDS) 3 = a Full Status RAO code (participates in CMDS)
RAO Contact Information	RAO file only. Contact information for company assigned the RAO in the RAO file.
RAO User Operating Company Number	RAO file only. Company assigned the RAO in the RAO file. Also, see Operating Company Number (OCN).
Rate Center LATA	See LATA
Rate Center LATA Subzone	See LATA Subzone
Rate Center Name	50-character field identifying the "Rate Center" (exchange area) to which an NXX is associated. Rate Centers are telco based geographic areas that can comprise several towns/areas, maybe a single town, or may be a section of a larger city. All lines of an NXX must all be associated with the same, single Rate Center for purposes of rating the call. For certain NXXs (see Oddball Codes), a geographic Rate Center value may not apply. The 50-character Rate Center Name is the properly spelled out full name of the Rate Center. Most often, the Rate Center Name is the name of the major Locality in the area it covers.
Rate Center Name Abbreviation	10-character abbreviation of 50-character Rate Center Name.
Rate Center (Name) State	Standardized two character state, province, or country abbreviation associated with Rate Center Name. See table at the end of this appendix.
Rate Center Type	‘S’ (suburban), ‘Z’ (zoned), ‘+’ (ring down lines – Alaska only) generally blank. This field is used to indicate that the Rate Center is a “zoned” Rate Center, per tariffs.
Rating Indicator	INTLMX file. When applicable, this field provides additional information associated with the NDC in regards to calling rating. In the case of Mexico, values of 01-08 identify Mexican rate bands (i.e. historically noted as Other Line Rate Step for Mexico). When not applicable, such as in cases of numbers that can be considered non-

Field/Term	Description and/or Field Values
	geographic in scope (e.g. country wide numbers, freephone, etc.) the value for this field is 00.
SCC	Special Calling Card. These are "RAO" based calling cards (as opposed to line (NPA NXX) based calling cards. Assignment data is provided in the rating products for the first six digits of these cards. True format of the first six digits of such cards is the RAO followed by a 0/1XX code. In certain processing environments, RAOs that begin with 0 or 1 are translated to 6 and 7 respectively.
Send to RAO	The Revenue Accounting Office (RAO) to which the Centralized Message Distribution System (CMDS) will "send" data. See "Bill to RAO".
Service Contact Information	RAO file only. A contact telephone number for investigative or other support services relative to the RAO. Formerly, fields were provided for several numbers, but currently only the first field is used.
Service Provider	INTLMX file. The name of the service provider who is assigned the NDC.
State or Special Purpose NPA Name	OTCNPG NPA file only. The state, province, etc. of a geographical NPA or purpose of a non-geographical NPA.
State, Province, or Country Name	The USPS standard two-character code for US states. Other areas are primarily a two character identifier corresponding to COMMON LANGUAGE® standards that may or may not always correspond with the area's postal authority or any other international standards. See table at end of this appendix for further details.
Supplement	INTLMX file. May contain information related to the NDC field that adds further definition or clarification.
Telephone Number	A contact number for the service, person, or other activity associated with the record. Note that this information may be outdated for some records.
Thousands Block Pooling Indicator	Permissible values are 0 (no) and 1 (yes). 1 = Indicates that the NPA NXX has been identified to be part of a pool of NXXs, within the given NPA, that are assigned 1000 lines at a time by the Pool Administrator (currently only applicable to the United States) to potentially different companies (currently only applicable to the United States). 0 = Indicates that the NXX is not publicly pooled and that there generally is no information below the NXX "A" Block level. However, if numeric block records are provided, the NXX is not publicly pooled, but the data provider has chosen, for purposes of Intra Service Provider (SP) Pooling, seven digit routing, etc., to show its fully assigned NXX to be split at the thousands block level. This can apply to all NPAs across the NANP.
Time Zone	0 = Not applicable 1 = Guam and the Commonwealth of the Northern Mariana Islands (CNMI) (GMT +10) 2 = Hawaii (GMT –10), American Samoa (GMT –11) 3 = Alaska (GMT –9)

Field/Term	Description and/or Field Values
	4 = Pacific (GMT –8) 5 = Mountain (GMT –7) 6 = Central (GMT –6) 7 = Eastern (GMT –5) 8 = Atlantic (GMT –4) 9 = Newfoundland (GMT –3.5) ❖ **Note**: Standard time, as hour offsets from Greenwich Mean Time (GMT), is parenthetically noted. If an area observes Daylight Savings Time (DST) the offset should be adjusted accordingly during DST observance (e.g. Pacific under DST is GMT –7).
Time Zone (UTC)	INTLMX file. Coordinated Universal Time Atlantic standard TPM.DAT = 8 UTC = -5 Eastern standard TPM.DAT = 7 UTC = -6 Central standard TPM.DAT = 6 UTC = -7 Mountain standard TPM.DAT = 5 UTC = -8 Pacific standard TPM.DAT = 4 UTC = -9
Type of Service (TOS)	INTLMX file. Type of Service for the NDC: F = Freephone, G = Geographic, M = Mobile, P = Paging, , S = Special Services, T = Test Number
Type of Service Description	INTLMX file. Further identifies the call type. For example, Geographic, Freephone, Satellite, Shared Cost, Mobile Party Pays (MPP) ,Calling Party Pays (CPP) CDMA, etc.
V&H Coordinates	See Major (or Minor) Vertical (or Horizontal) Coordinate.
Validation Database Operator Name	CIID files. Name of company validating given CIID data.
0/1XX (SCC Code within RAO)	Similar to NXX codes. Used in Special Calling Cards.

State, Province, Island Code Table*

Canada			United States		United States (cont'd)	
Alberta	AB		Alabama	AL	Montana	MT
British Columbia	BC		Alaska	AK	Nebraska	NE
Manitoba	MB		Arizona	AZ	Nevada	NV
New Brunswick	NB		Arkansas	AR	New Hampshire	NH
Newfoundland**	**NF**		California	CA	New Jersey	NJ
Northwest Territory	NT		Colorado	CO	New Mexico	NM
Nova Scotia	NS		Connecticut	CT	New York	NY
Nunavut Territory**	**VU**		Delaware	DE	North Carolina	NC
Ontario	ON		District of Columbia	DC	North Dakota	ND
Prince Edward Island	PE		Florida	FL	Ohio	OH
Quebec**	**PQ**		Georgia	GA	Oklahoma	OK
Saskatchewan	SK		Hawaii	HI	Oregon	OR
Yukon Territory	YT		Idaho	ID	Pennsylvania	PA
			Illinois	IL	Rhode Island	RI
Mexico	MX		Indiana	IN	South Carolina	SC
			Iowa	IA	South Dakota	SD
Islands	*TRA**	*ISO2*	Kansas	KS	Tennessee	TN
American Samoa****	AS	AS	Kentucky	KY	Texas	TX
Anguilla	AI	AI	Louisiana	LA	Utah	UT
Antigua	**AN**	AG	Maine	ME	Vermont	VT
Bahamas	**BA**	BS	Maryland	MD	Virginia	VA
Barbados	**BD**	BB	Massachusetts	MA	Washington	WA
Bermuda	BM	BM	Michigan	MI	West Virginia	WV
British Virgin Islands	**BV**	VG	Minnesota	MN	Wisconsin	WI
Cayman Islands	**CQ**	KY	Mississippi	MS	Wyoming	WY
CNMI (N. Marianas)***	**NN**	MP	Missouri	MO		
Dominica	DM	DM				
Dominican Republic	**DR**	DO				
Grenada	**GN**	GD				
Guam	GU	GU				
Jamaica	JM	JM				
Montserrat	**RT**	MS				
Puerto Rico	PR	PR				
St. Kitts & Nevis	**KA**	KN				
St. Lucia	**SA**	LC				
St. Maarten	**SF**	SX				
St. Vincent	**ZF**	VC				
Trinidad & Tobago	**TR**	TT				
Turks & Caicos	TC	TC				
US Virgin Islands	VI	VI				

* Applies to the list of codes used in TRA products but may be qualified further in field definitions and/or the following notes.

** Canada Post codes are: Newfoundland/Labrador, NL; Nunavut Territory, NU; Quebec, QC (Canada Post abbreviations are used for some contact addresses). Canada Post codes also currently correlate to ISO 3166-2 codes.

*** USPS code is MP.

**** AS is the USPS code; AM is the COMMON LANGUAGE code (used for CLLIs only).

Note: For “Islands”, their ISO2 value is noted above for reference.

Note: Codes are based on COMMON LANGUAGE assignments and may not correlate to other sources (e.g. postal, ISO2, etc.).

Note: Mexico pertains only to data in the TPM™ Data Source.