



# TruOps Telecom Routing Administration (TRA)

LERG™ Routing Guide

## Specifications

iconectiv System Documentation  
BD-TRA-LERG-SPECS  
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## Trademark Acknowledgments

- ◆ iconectiv is a registered trademark. LERG is a trademark and the intellectual property of iconectiv, LLC.

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### Document Availability:

This document is provided along with the LERG product which can be downloaded from TRA Product Distribution System, and distributed to all the LERG subscribers when needed. This document may also be downloaded at [www.trainfo.com](http://www.trainfo.com) (documents).

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## Change History

The following table identifies previous issues of *TruOps Telecom Routing Administration (TRA) LERG™ Routing Guide* (LERG) specifications and pertinent changes associated with each issuance of this document.

The “Issue Date” in the following table (which was introduced recently) identifies the date when this specification document was issued. The “Effective Date” identifies the date when the changes to LERG specifications become effective. Both the dates are identified on the cover page of this document.

Note that the “issue date” need not be the same as the “effective date”. Since specifications often need to be issued with sufficient lead time to permit review, it is possible that cosmetic changes, error corrections, and/or pertinent changes will occur before a “final” version can be solidified. New issues of the document are also produced for formatting, rebranding, etc. with no modifications to the LERG specifications, resulting in no change to the effective date. If you are concerned as to whether you have the latest version of this document, please refer to the version posted at [www.trainfo.com](http://www.trainfo.com), where you can also download copies of these specifications or contact the TRA Customer Care Center.

Issue Date	Effective Date	Changes
	07/01/94	Initial specs in this format.
	03/01/95	Use of Functionality 12 on LERG7 added.
	04/01/96	Introduction of LERGNODE, LERGSPEC, LERG6ATC, and LERG9ATC. Substantial changes to layout for LERG1, LERG2, LERG6, LERG7, LERG8, LERG9, LERG6INS, and LERG7INS. BLKSIZE changes to text files. These changes were originally scheduled for 1/1/96 implementation - 4/1/96 specifications replaced any that may be dated 1/1/96.
	04/01/96f	A “final” version of 4/1/96 specs. Reflects removal of ISDN OFC, addition of BRI 56, BRI 64, PRI 64, ISDN MULTIRT, FGD 56, FGD 64, and INTRA PRSUB on LERG7 and LERG7INS files. Inclusion of BROWSE (DOS) on CD ROM.
	12/01/96	LERG1 (50 character name) and LERG2 structural changes. Use of previously identified “filler” fields in LERG9 and LERG9ATC for CHANGE SOURCE. Previous LERG9 field positions, file record length and block size are unchanged.
	04/01/97	Introduction of LERG12 (Location Routing Number (LRN)) dataset/file. Replacement of TARIFF STATUS with PORTABLE indicator on LERG6. Various fields previously defined as “filler” named on LERG7/LERG7INS in support of Local Number Portability and other switch related data. Specs updated to include LERGAPPS, LERGDATA, and DATABASE.TXT files, reflecting Windows based database version of LERG data on CD ROM. Actual introduction occurred in 1/1/97. LERG5 expanded to include 3 more LATAs.

Issue Date	Effective Date	Changes
	12/01/97	Introduction of Switch Homing Arrangement (SHA) Indicator to the Switch ID to permit showing multiple homing arrangements using the same 11-character Switch ID. SHA Indicator added to LERG6. Existing switch homing transferred from LERG7, with added SHA Indicator, to a new dataset-file: LERG7SHA-LERG7.SHA. LERG6 “line range level” data expanded to include a line range level OCN field and a line range level NXX “test line number” field. Changes made to LERG6 and LERG7 based layouts to reflect these changes. LERG12IN (Insert) file added. MSA field added to LERG12
	12/01/98	Added NPAs to LERG5 / LERG8. LNP SCP and AIN ISCP/SCP added to SHA files. CIP/CSP, 10D GTT SCP, AIN ISCP/SCP, LNP SCP, Alias PC Flag added to LERG7 files. Add of LERG6.ODD, LERGINFO.DOC, and LERGNOTE.DOC. SSC=J added.
	08/01/99	Previous LERG1 and LERG2 combined into a revised LERG1. Previous LERG3 and LERG4 combined into a revised LERG3. New LERG2 (Country Codes) added. New LERG4 (SS7 Assignments) added. LERGNOTE.DOC removed. README.TXT added.
	04/01/00	Reordering of files on tape after LERG6.DATA. Pooling Indicator and Creation date added to LERG6 files. All files with records that have a “blank” SHA Indicator now have a 00 SHA Indicator value. CLN Indicator added to LERG7 and LERG7INS. LERG8 file restructured, eliminating Base/Operator fields and Locality data. LERG8LOC file added for Locality data. 500SSP fields removed from various files. LERG13 and LERG14 added as new files. LERGEND modified to include Data Download Date.
	09/01/00	Removal of Switched Network Services (SNS) (LERG7, LERG7INS). Removal of MSA from LERG12. Addition of 911 Tandem Indicator SOF value (LERG7, LERG7INS). Addition of Local Sub Area indicator (LERG8).
	09/01/01	Due to volume of data, the LERG tape split into two separate tapes requiring a reflection of the change in these specifications. Specification date remains 09/01/00 due to no structural file changes. Issue date is noted as 09/01/01.
	03/01/02	LERG in “tape” format eliminated. Removal of BROWSE.EXE from CD. Updates to LERG1 (Overall OCN), LERG7 (add/removal of certain SOF indicators and ALIAS PC FLAG), LERG7 SHA (removal of SCP switches, addition of CALL AGENT and TRUNK AGENT), LERG8 (addition of embedded NPAs, SPLIT INDICATOR, additional NPA fields, addition of Embedded Overlay NPA fields, removal of LOCAL SUB AREA INDICATOR), LERG6 (Inclusion of Oddball codes in LERG6 files (no structural changes)). LERG1CON added as a new file. LERG in Microsoft Access updated to include Access 97 and Access 2000 versions.

Issue Date	Effective Date	Changes
	12/01/02	Removal of LINE OCN, VIEW ID, VIEW LINE, and TOTAL LINES/VIEW from LERG6 (fields renamed to filler). LERG6 to contain only 0000-9999 ranges (1212-1212 for NXX 555). Note: LERG6 changes apply to LERG6INS and LERG6ATC also). Additional fields added to LERG13 including Rate Center LATA. LERG6 data also included into LERG13 as BLOCK "A" records.
	09/01/03	LERG13INS (Insert) added as new file. LERG in Microsoft Access updated to include Access 2002 version.
	12/01/03	Reformatting of LERG6ODD, LERG6INS; renaming of LERG13 and LERG13IN to LERG6 and LERG6INS respectively (i.e. renaming of these files from LERG13 to LERG6); reformatting of LERG7INS, LERG7SHI, LERG12IN.
	06/01/04	LERG15 added as a new file. RAO added as new field to LERG7 and LERG7INS. MTA1 and MTA2 added as new fields to LERG8. Modifications to LERG4.
	03/01/05	LAST EFFECTIVE DATE OF "E" VIEW, LAST MODIFICATION DATE added as new fields to LERG6, LERG7, and LERG7SHA files. CREATE DATE added as new field to LERG7 and LERG7SHA files. TEST LINE RESPONSE and TEST LINE EXPIRATION DATE added as new fields to LERG6 files. Inclusion of SHA IND in LERG9 and LERG12 files. LKA added as new field to LERG1.
	06/01/05*	MS Access: LERGDATA.MDB updated from Access 97 to Access 2000; LERGAP97.MDB removed; LERGAP03.MDB added. * 03/01/05 re-issue.
	03/01/07	COUNTY field added to LERG8LOC. LRNTYPE field removed from LERG12.
	06/01/07*	MS Access: LERG Microsoft Access database file changed to be distributed on the LERG CD as a compressed (zipped) file due to space considerations. * 03/01/07 re-issue.
	06/01/08	LERG8PST added as a new file. TARGET OCN and OVERALL TARGET OCN added as new fields to LERG1.
	07/01/09*	MS Access: LERGAP07.ACCDB (Microsoft Access 2007 front-end user interface) added. * 06/01/08 re-issue.
	06/01/12	LERG15 removed. LERG8LIR added. LERG5 expanded. Five SOF indicators defined to filler space in the LERG7 and LERG7INS files. LKA renamed to filler in LERG1.
	06/01/15	LERG14 removed. LERG16, LERG17 added. RC PORTABILITY field added to LERG8LIR. RLEC Indicator and SILEC Indicator fields added to LERG1. MS Access: LERGAP02.MDB removed; LERGAP13.ACCDB added.
01/01/19	06/01/15	No LERG Routing Guide file structure or data content changes were made. Removed reference to the CD ROM delivery which is no longer offered and added iconectiv TruOps product branding.
05/06/19	06/01/15	No LERG Routing Guide file structure or data content changes were made. Document updated to revise iconectiv branding.
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Issue Date	Effective Date	Changes
12/01/19	03/01/20	<ul style="list-style-type: none"> <li>• Updated LERG6 files (LERG6, LERG6ATC, LERG6INS, and LERG6ODD) by renaming the Test Line Expiration Date field to filler which does not modify the record length.</li> <li>• Updated LERG16 to add the Fully Qualified Domain Name (FQDN) and FQDN OCN fields.</li> <li>• Updated LERG17 to add the Fully Qualified Domain Name (FQDN) and FQDN OCN fields.</li> <li>• Added CSV file format specifications for all LERG files.</li> <li>• Removed README.TXT File.</li> </ul>
02/29/20	03/01/20	<ul style="list-style-type: none"> <li>• Fixed column ID typos in the LERG7INS, LERG7SHI, and LERG12IN tables.</li> <li>• Removed reference to tape file names that were previously discontinued.</li> </ul>

## Chapter 1 LERG™ Routing Guide Specifications

The *TruOps Telecom Routing Administration (TRA) LERG™ Routing Guide* (LERG) is produced monthly in the form of a set of ASCII data files.

This document describes the following for LERG:

- File Formats
- File Names
- Record Layouts
- Data Specifics

Specific field definitions are provided in the Glossary section of the LERGINFO.DOC, which is distributed with the LERG product.

In addition, planned NPA Split/Overlay information is provided in LERGNOTE.DOC.

## Chapter 2 File Formats

The LERG is provided in the following two file formats:

- Fixed-length file format
- CSV (Comma Separated Values) file format

The details are provided in the following table.

Format Type	Record and Data Fields	File Name	End of Line/Record (EOL)
Fixed-length	<ul style="list-style-type: none"> <li>• Record length is fixed</li> <li>• Starting and ending positions of data fields are fixed in a record</li> <li>• Text data is padded with spaces to the right</li> <li>• Number data is right aligned</li> <li>• No header record is present</li> </ul>	Uppercase with DAT extension	Depends on the source. If downloading individual files from TRA Product Distribution System (PDS), Linefeed (LF) is the EOL character. When downloading the zip containing all the files from PDS, the EOL is CR/LF.
CSV	<ul style="list-style-type: none"> <li>• Record length is variable</li> <li>• Data fields are separated by pipe delimiter ( ). If a field is blank, it is indicated by consecutive pipes (  ).</li> <li>• Last data field in the record does not end with a pipe delimiter</li> <li>• Data is not padded with spaces to fill the field's maximum size</li> <li>• No header record is present</li> </ul>	Uppercase with CSV extension	Linefeed (LF) character

## Chapter 3 File Names

Table 1 lists the file names for the fixed-length format, and Table 2 for the CSV format. Table 1 also provides record length for LERG files. Both tables provide approximate file sizes, primary sort key or data field, and the data the files contain.

Table 3 lists additional documents and files distributed with the LERG product.

**Table 1 Fixed-length Format File Specifications**

File Seq No	File Name	Record Length	Approx. # Bytes	Primary Sort Key	Information Contained
1	COPYRGHT.TXT	133	5K	None (text)	Copyright Statement
2	LERGNOTE.TXT	133	10-100K	None (text)	Planned NPA Split/Overlay information
3	LERG1.DAT	350	6M	OCN	OCN/Company Names/Routing Contact
4	LERG1CON.DAT	172	4M	OCN	OCN/Additional Contacts
5	LERG2.DAT	90	30K	Country Code	Country Code Assignments
6	LERG3.DAT	480	200K	NPA	NPA Information
7	LERG4.DAT	120	700K	SS7 Code	SS7 Assignments (network, cluster, member)
8	LERG5.DAT	224	70K	LATA	LATA Codes by Region
9	LERG6.DAT	170	160M	NPA NXX BLK	NPA NXX Block Assignments
10	LERG6ATC.DAT	295	100K	NPA NXX BLK	LERG6 - Operator Services ATC data
11	LERG6INS.DAT*	180	.1M-160M	NPA NXX BLK	LERG6 - Change Activity
12	LERG6ODD.DAT	242	80K	NPA NXX BLK	LERG6 - Oddball NXX Codes
13	LERG7.DAT	312	15M	LATA	Switching Entities
14	LERG7INS.DAT*	322	.1M-15M	LATA	LERG7 - Change Activity
15	LERG7SHA.DAT	448	25M	LATA	Switch Homing Arrangements
16	LERG7SHI.DAT*	458	.1M-25M	LATA	LERG7SHA - Change Activity
17	LERG8.DAT	172	4M	LATA	Rate Centers
18	LERG8LOC.DAT	160	10M	LATA	Localities within States / Rate Centers
19	LERG8LIR.DAT	160	600K	Province/LIR	LIR relationships to Canadian Rate Centers
20	LERG8PST.DAT	32	3M	State/Locality	Postal codes for Localities
21	LERG9.DAT	135	95M	LATA	Homing Arrangements, by Homed-to-switch
22	LERG9ATC.DAT	260	250K	LATA	LERG9 - Operator Services ATC data
23	LERG10.DAT	203	40M	LATA	Operator Service Codes by NPA/NXX
24	LERG11.DAT	203	20M	LATA	Operator Service Codes by Locality
25	LERG12.DAT	136	7M	LATA	Location Routing Numbers
26	LERG12IN.DAT*	146	.1M-7M	LATA	LERG12 - Change Activity
27	LERG16.DAT	288	.1M-7M	LRN	LRNs designated as IP routable
28	LERG17.DAT	293	.1M-2M	NPA NXX BLK	IP routable non ported NXX/NXX-Xs
29	LERGEND.DAT	80	5K	Filename	Record counts for files

\* Identifies records changed between one monthly LERG and the next monthly LERG. File size can vary widely from month-to-month.

**Table 2 CSV Format File Specifications**

File Seq No	File Name	Approx. # Bytes	Primary Sort Key	Information Contained
1	COPYRGHT.TXT	5K	None (text)	Copyright Statement
2	LERG1.CSV	6M	OCN	OCN/Company Names/Routing Contact
3	LERG1CON.CSV	4M	OCN	OCN/Additional Contacts
4	LERG2.CSV	30K	Country Code	Country Code Assignments
5	LERG3.CSV	200K	NPA	NPA Information
6	LERG4.CSV	700K	SS7 Code	SS7 Assignments (network, cluster, member)
7	LERG5.CSV	70K	LATA	LATA Codes by Region
8	LERG6.CSV	160M	NPA NXX BLK	NPA NXX Block Assignments
9	LERG6ATC.CSV	100K	NPA NXX BLK	LERG6 - Operator Services ATC data
10	LERG6INS.CSV*	.1M-160M	NPA NXX BLK	LERG6 - Change Activity
11	LERG6ODD.CSV	80K	NPA NXX BLK	LERG6 - Oddball NXX Codes
12	LERG7.CSV	15M	LATA	Switching Entities
13	LERG7INS.CSV*	.1M-15M	LATA	LERG7 - Change Activity
14	LERG7SHA.CSV	25M	LATA	Switch Homing Arrangements
15	LERG7SHI.CSV*	.1M-25M	LATA	LERG7SHA - Change Activity
16	LERG8.CSV	4M	LATA	Rate Centers
17	LERG8LOC.CSV	10M	LATA	Localities within States / Rate Centers
18	LERG8LIR.CSV	600K	Province/LIR	LIR relationships to Canadian Rate Centers
19	LERG8PST.CSV	3M	State/Locality	Postal codes for Localities
20	LERG9.CSV	95M	LATA	Homing Arrangements, by Homed-to-switch
21	LERG9ATC.CSV	250K	LATA	LERG9 - Operator Services ATC data
22	LERG10.CSV	40M	LATA	Operator Service Codes by NPA/NXX
23	LERG11.CSV	20M	LATA	Operator Service Codes by Locality
24	LERG12.CSV	7M	LATA	Location Routing Numbers
25	LERG12IN.CSV*	.1M-7M	LATA	LERG12 - Change Activity
26	LERG16.CSV	.1M-7M	LRN	LRNs designated as IP routable
27	LERG17.CSV	.1M-2M	NPA NXX BLK	IP routable non ported NXX/NXX-Xs
28	LERGEND.CSV	5K	Filename	Record counts for files

\* Identifies records changed between one monthly LERG and the next monthly LERG. File size can vary widely from month to month.

**Table 3 Additional Documents/Files**

Download (ASCII) File Name	Approx. # Bytes	Information Contained
LERGINFO.TXT		Retained for backward compatibility
LERGSPEC.TXT		Retained for backward compatibility
LERGSPEC.DOC	750K	LERG™ specifications
LERGINFO.DOC	750K	Glossary / other information
LERGNOTE.DOC	60-100K	LERGNOTE (Planned NPA Split/Overlay information)
README.DOC	75K	Overview of content
INSTALL.DOC	120K	Installation Manual for Microsoft Access files
LERGAP00.MDB	1M	Microsoft Access 2000 User Interface
LERGAP03.MDB	1M	Microsoft Access 2002/3 User Interface
LERGAP07.ACCEB	2M	Microsoft Access 2007/10 User Interface
LERGAP13.ACCEB	2M	Microsoft Access 2013 User Interface
LERGDATA.MDB	700M	Microsoft Access 2000 database containing LERG data

## Chapter 4 Data Specifics

The following aspects of LERG may be useful in processing data.

- All LERG data is in upper case and is case-insensitive.
- “Filler” fields are data fields that previously existed with valid data. When a data field is removed from LERG, it is changed to a filler field to reduce the impact to downstream processing. Such fields may be removed or used for new data fields in future LERG releases.
- Record Key(s) are provided in the layouts to identify the main record element(s) in each file. However, they do not necessarily define uniqueness of each line of data for a given key. The Primary Sort Key defined for each file is how the data, as provided by iconectiv, is initially provided to you in the LERG data files.
- Some data records may have several "views" for the given key (e.g. key = SWITCH ID). These are identifiable by records having STATUS and EFFECTIVE DATE fields associated with them. All such records will have at least one view. Blank STATUS and EFFECTIVE DATE values mean that the provided information is currently "active" (in effect). Views with a non-blank STATUS and EFFECTIVE DATE indicate future activity (e.g. new records, data changes, disconnects) that will become effective on the identified date.
- Dates in all files are year 2000+ with the exception of (1) LERG3 where any dates that have the yy component of the date greater than 50 are to be considered 19yy and likewise, if (2) such exists in the CREATE DATE field in a few different files.
- The LERG6 files pertain to NPA NXX BLOCK level assignments. In cases where the NXX has Thousands Block assignments, such are identified by numeric values for BLOCK IDs ranging between 0 through 9. Only assigned blocks within the 0-9 range are provided. All NXX assignments, regardless as to whether they have further Thousands Block breakdowns, will have a record with BLOCK ID value of “A”, depicting the “default” routing for that NPA NXX.
- Vertical and Horizontal (V&H) Coordinates are data elements derived from latitude and longitude. Those in LERG7 files are associated with a switch, point of interface, etc. and are used to identify its location, and/or identify the V&H Coordinates for use in access pricing. Those in LERG8 are associated with a Rate Center and are used in the rating of calls. Although both sets are considered V&H Coordinates, they exist for different reasons and may or may not be the same values when associated with an NPA NXX BLOCK. Please ensure you are aware of the difference should you require this data.
- The LERG9 files have a "View ID" assigned to each view (the View ID for a given key/view may change month-to-month). This is used to associate information for a given view that may be provided in more than one line. A "View Line #" is also provided, indicating the proper sequence in which the data should be processed. Information in this file, relative to NPA NXXs, is based on the NPA NXX “A” record only (see LERG6).
- Records in the LERG9 files are grouped by “homed-to” switch within LATA (e.g. tandem, STP, host). The “homed-to” switch will be a repeated value for all lines pertaining to it. A RECORD TYPE value of 'A' indicates that the line information pertains to the "homed-to" switch itself. A value of 'B' indicates the line is for an ATC code (if one exists) associated with that "homed-to" switch. A value of 'C' indicates that the line information pertains to subtending switches.

- The LERG6ATC and LERG9ATC files contain data specific to Operator Services and are structured to be generally consistent with the primary LERG6 and LERG9 files.
- CLN Indicator, AOCN, and CREATE DATE fields (in any files they appear) are not associated with effective date activity.

## Chapter 5 Record Layouts

This section provides detailed record layouts of the data files provided on the LERG Routing Guide. Definitions of the data elements identified in these layouts can be found in the Glossary section of the LERGINFO file. These definitions are subject to clarification and/or other changes on an ongoing basis.

Last Change refers to the effective date of the last substantial change to the file. Substantial changes include the addition or removal of fields either physically, definition of filler space, redefinition of fields, etc. Minor wording changes done to clarify existing fields will not of and by themselves generate a "Last Change" date.

Record Key(s) are provided to identify the primary record element(s) in each file. However, such keys are not intended to define uniqueness of each line of data for a given key. Data is not necessarily issued sorted by Record Key.

Each table in this section has four columns. The first column lists the column ID or number of a data field in the record. The second column provides title or description for the data field. The third column provides the maximum possible or allowed size for the data field. The last column provides starting and ending positions of data fields in a record for the fixed-length file format. This column has no meaning for CSV file format. The third column can be used to check the maximum data field sizes in the CSV files. Note that neither of the formats (fixed-length and CSV) come with a header record.

Fixed-length Filename:	<b>LERG1.DAT</b>	Description:	OCN/Company Names
CSV Filename:	<b>LERG1.CSV</b>	Record Key(s):	Field 1
		Last Change:	06/01/15
#	FIELD DESCRIPTION	LENGTH	POSITION
1.	Operating Company Number (OCN)	4	1-4
2.	Operating Company Name	50	5-54
3.	Abbreviated OCN Name	20	55-74
4.	State/Province/Territory/Country of OCN (operating in and/or incorporated in)	2	75-76
5.	Category	10	77-86
6.	Overall OCN	4	87-90
7.	filler	5	91-95
8.	Routing Contact Information - filler	1	96
9.	Last Name	20	97-116
10.	First Name	10	117-126
11.	Middle Initial	1	127
12.	Company Name (contact specific)	50	128-177
13.	Title	30	178-207
14.	Address1	30	208-237
15.	Address2	30	238-267
16.	Floor	10	268-277
17.	Room	20	278-297
18.	City	20	298-317
19.	State/Province/Territory/Country	2	318-319
20.	Postal Code	9	320-328
21.	Phone	12	329-340
22.	Target OCN	4	341-344
23.	Overall Target OCN	4	345-348
24.	Rural LEC (RLEC) Indicator	1	349
25.	Small ILEC (SILEC) Indicator	1	350

Fixed-length Filename:	<b>LERG1CON.DAT</b>	Description:	OCN/Additional Contacts
CSV Filename:	<b>LERG1CON.DAT</b>	Record Key(s):	Fields 1,4
		Last Change:	03/01/02
#	FIELD DESCRIPTION	LENGTH	POSITION
1.	Operating Company Number (OCN)	4	1-4
2.	Operating Company Name	50	5-54
3.	State/Province/Territory/Country of OCN (operating in and/or incorporated in)	2	55-56
4.	Contact Function	20	57-76
5.	Contact Phone	10	77-86
6.	Contact Information	70	87-156
7.	filler	16	157-172

❖ **Note:** For consistency and positive reporting, all OCNs found in LERG1 are included in this file. However, not all list specific contact information.

Fixed-length Filename:	<b>LERG2.DAT</b>	Description:	Country Codes
CSV Filename:	<b>LERG2.CSV</b>	Record Key(s):	Field 7
		Last Change:	08/01/99
#	FIELD DESCRIPTION	LENGTH	POSITION
1.	Action Desc (E=effective, D=delete, M=modify)	1	1
2.	Action Date (mmddyy)	6	2-7
3.	Country Code	3	8-10
4.	filler	1	11
5.	Paired Code	3	12-14
6.	filler	1	15
7.	Country Name	65	16-80
8.	Footnote code (refer to LERGINFO, Country Codes)	1	81
9.	filler	9	82-90

Fixed-length Filename:	<b>LERG3.DAT</b>	Description:	NPA
CSV Filename:	<b>LERG3.CSV</b>	Record Key(s):	Field 1
		Last Change:	08/01/99

  

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	NPA	3	1-3
2.	State/Province/Territory/Country	2	4-5
3.	NPA Location – spelled out	20	6-25
4.	Time Zone 1 (see LERGINFO for values)	1	26
5.	Time Zone 2 (see LERGINFO for values)	1	27
6.	Time Zone 3 (see LERGINFO for values)	1	28
7.	Time Zone 4 (see LERGINFO for values)	1	29
	4 Test Numbers (latest split/overlay only)		
8.	Test Number 1 (NXX-line)	8	30-37
9.	Test Number 1 start date (mmddyy)	6	38-43
10.	Test Number 1 end date (mmddyy)	6	44-49
11-19.	The above 3 fields repeat 3 more times	60	50-109
	The following is information about the origin of this NPA (future dates = upcoming splits/overlays)		
20.	Action (S=geographic split, O=overlay)	1	110
21.	Permissive (dual NPA) Dialing Start Date (mmddyy)	6	111-116
22.	Permissive (dual NPA) Dialing End Date (mmddyy)	6	117-122
	(not applicable to overlays)		
23.	“Derived from” NPA1	3	123-125
24.	“Derived from” NPA2	3	126-128
25.	“Derived from” NPA3	3	129-131
26-31.	The above 6 fields repeat 1 more time	22	132-153
32.	Footnote (for clarification needs)	60	154-213
	The following indicates other NPAs for which this NPA has served as a “basis” (i.e. where this NPA pre-existed in the areas now covered by the NPAs listed below)		
33.	Action (S=geographic split, O=overlay)	1	214
34.	Permissive (dual NPA) Dialing Start Date (mmddyy)	6	215-220
35.	Permissive (dual NPA) Dialing End Date (mmddyy)	6	221-226
36.	NPA	3	227-229
37-96.	The above 4 fields repeat 15 more times	240	230-469
97.	filler	11	470-480

Fixed-length Filename:	<b>LERG4.DAT</b>	Description:	SS7 Assignments
CSV Filename:	<b>LERG4.CSV</b>	Record Key(s):	Fields 1,2,3,4
		Last Change:	06/01/04
#	FIELD DESCRIPTION	LENGTH	POSITION
	Point Code		
1.	Network	3	1-3
2.	Cluster	3	4-6
3.	Member (from)	3	7-9
4.	Member (to) (applies to small networks only)	3	10-12
5	Assignee Company	50	13-62
	Contact information -		
6.	Operations Center Contact	36	63-98
7.	Phone	20	99-118
8.	filler	2	119-120

Fixed-length Filename:	<b>LERG5.DAT</b>	Description:	LATA codes (by Region)
CSV Filename:	<b>LERG5.CSV</b>	Record Key(s):	Field 2
		Last Change:	06/01/12
#	FIELD DESCRIPTION	LENGTH	POSITION
1.	Region	40	1-40
2.	LATA (Rate Center)	5	41-45
3.	LATA Name	20	46-65
4 - 53.	NPA1 through NPA50	3 per NPA	66-215
54.	filler	9	216-224

## Notes Regarding LERG6 Files

The following provides information regarding the layout of various "LERG6" files. These files contain the NPA NXX (and BLOCK) information that is one of the primary components of the LERG.

### LERG6

This file is the principal file regarding current and future activity associated with NPA NXX BLOCK information. Of specific note:

- (1) NPA NXX information associated with Block ID "A" in this file is information derived from LERG6. In cases where the NPA NXX also has one or more blocks (Block ID 0-9) associated with it, the "A" block and the assigned numeric blocks are each identified in this file. Cases where BLOCK IDs are missing sequentially within an NPA NXX should be considered cases where the BLOCK information has not been reported (likely an unassigned block on the data date of the information).
- (2) Not all BLOCK "A" records have numeric blocks associated with them since they may not be included in the pooling inventory.
- (3) Block IDs of "A" always have block ranges of 0000-9999; numeric Block IDs will have ranges of 0000-0999, 1000-1999, 2000-2999 ... 9000-9999.

### LERG6ATC

This file is structured similar to LERG6, with an additional 125 characters at the end of each line to address up to potentially 25 5-character Operator Service Code values. Records in this file are also in LERG6. This file simply provides a means to extend those records in LERG6 having a COCTYPE value of ATC to show associated Operator Service Codes.

### LERG6INS

This file is structure similar to LERG6, with an additional 10 characters at the beginning of each line, as further explained below. This file can be considered a "change" or "activity" file from one monthly LERG to the next. Record and/or view activity added, changed, or removed effective with the prior LERG's product date or later appears in this file. The "net" of the activity reported in this file is in the LERG6 file, thus this file can be considered optional unless reconciliation between two sequential monthly LERGs, and/or the need to track specific last-minute changes after the issuance of the last LERG is needed. Of specific note:

After the first 10 positions, this file is identical to LERG6.DAT. Transactions with EFFDATES of the previous or earlier months are updates made to the underlying database after the previous LERG was issued, but which were effective before, or during, the previous month. Transactions with EFFDATES of the current month, or in the future, represent additions, deletions, and changes from such future activity reported in the prior month's LERG.

- (1) This file reports data "changed" since the previous month, relative to the primary file. It is NOT a summary of ALL future activity.
- (2) Refer to LERGINFO.DOC regarding the intent and use of Activity Code.
- (3) Activity Date corresponds to the date changes were processed to the underlying LERG database and should correlate to transactional activity provided via the LERG One-Day Changes Process.

**LERG6ODD**

This file is structured similar to LERG6, with an additional 72 characters at the end of each line to provide for up to a 72 character clarifying “Note” regarding “Oddball Codes”. Certain NXXs are considered “Oddball” (e.g. 411, 976), are identified by unique COCTYPES, and are usually not associated with a switch, Rate Center, or in several cases, with a specific company. Records in this file are ALSO in LERG6. This file simply provides a means to extend those records in LERG6 having an “Oddball code” COCTYPE, to show associated “Notes” (see Glossary in LERGINFO). Only those Oddball Code record views that have Notes appear in this file.

Fixed-length Filename:	<b>LERG6.DAT</b>	Description:	NPA NXX Block Assignments
CSV Filename:	<b>LERG6.CSV</b>	Record Key(s):	Fields 5,6,7 (unique: 4,5,6,7)
		Last Change:	03/01/07 (formerly LERG13)
#	FIELD DESCRIPTION	LENGTH	POSITION
1.	LATA (of Switch Location)	5	1-5
2.	LATA Name	20	6-25
3.	Status	1	26
4.	Effective Date (mmddy)	6	27-32
5.	NPA	3	33-35
6.	NXX (Central Office Code)	3	36-38
7.	Block ID (A, 0-9)	1	39
8.	filler	4	40-43
9.	COC Type	3	44-46
10.	Special Service Code (SSC)	4	47-50
11.	Dialable Indicator (DIND) (Y/N)	1	51
	Terminating Digits -		
12.	End Office (EO)	2	52-53
13.	Access Tandem (AT)	2	54-55
14.	Portable Indicator (Y/N)	1	56
15.	Administrative OCN (AOCN)	4	57-60
16.	filler	1	61
17.	Operating Company Number (OCN)	4	62-65
	Locality -		
18.	Locality	10	66-75
19.	Locality Index	2	76-77
20.	Locality State/Province/Territory/Country	2	78-79
	Rate Center (RC) -		
21.	RC Name Abbreviation	10	80-89
22.	RC Type	1	90
	Line Range Data -		
23.	Lines From # (0000,1000, ...) (1212 for NXX 555)	4	91-94
24.	Lines To # (0999,1999, ...) (1212 for NXX 555)	4	95-98
25.	Switch	11	99-109
26.	Switch Homing Arrangement (SHA) Indicator	2	110-111
27.	filler	4	112-115
	Test Line Information		
28.	Test line number (XXXX) (i.e. NPA NXX XXXX)	4	116-119
29.	Response (A)nnouncement/(M)illiwatt Tone	1	120
30.	filler	6	121-126
31.	Thousands Block Pooling Indicator	1	127
32.	LATA (of Rate Center Location)	5	128-132
33.	filler	1	133
	Informational dates of NPA NXX X		
34.	Creation Date in BIRRDs (mmddy) -	6	134-139
35.	filler	1	140
36.	“E” STATUS date (mmddy)	6	141-146
37.	filler	1	147
38.	Last Modification Date (mmddy)	6	148-153
39.	filler	17	154-170

Fixed-length Filename: <b>LERG6ATC.DAT</b>		Description: NPA/ATC	
CSV Filename: <b>LERG6ATC.CSV</b>		Record Key(s): Fields 5,6,7 (unique: 4,5,6,7)	
		Last Change: 03/01/07	
#	FIELD DESCRIPTION	LENGTH	POSITION
1.	LATA (of Switch Location)	5	1-5
2.	LATA Name	20	6-25
3.	Status	1	26
4.	Effective Date (mmddyy)	6	27-32
5.	NPA	3	33-35
6.	NXX (Central Office Code)	3	36-38
7.	Block ID (A, 0-9)	1	39
8.	filler	4	40-43
9.	COC Type	3	44-46
10.	Special Service Code (SSC)	4	47-50
11.	Dialable Indicator (DIND) (Y/N)	1	51
Terminating Digits -			
12.	End Office (EO)	2	52-53
13.	Access Tandem (AT)	2	54-55
14.	Portable Indicator (Y/N)	1	56
15.	Administrative OCN (AOCN)	4	57-60
16.	filler	1	61
17.	Operating Company Number (OCN)	4	62-65
Locality -			
18.	Locality	10	66-75
19.	Locality Index	2	76-77
20.	Locality State/Province/Territory/Country	2	78-79
Rate Center (RC) -			
21.	RC Name Abbreviation	10	80-89
22.	RC Type	1	90
Line Range Data -			
23.	Lines From # (0000,1000, ...) (1212 for NXX 555)	4	91-94
24.	Lines To # (0999,1999, ...) (1212 for NXX 555)	4	95-98
25.	Switch	11	99-109
26.	Switch Homing Arrangement (SHA) Indicator	2	110-111
27.	filler	4	112-115
Test Line Information			
28.	Test line number (NPA-NXX-test line number)	4	116-119
29.	Response (A)nnouncement/(M)illiwatt Tone	1	120
30.	filler	6	121-126
31.	Thousands Block Pooling Indicator	1	127
32.	LATA (of Rate Center Location)	5	128-132
33.	filler	1	133
Informational dates of NPA NXX X			
34.	Creation Date in BIRRDS (mmddyy) -	6	134-139
35.	filler	1	140

**(Continued on next page)**

#	FIELD DESCRIPTION	LENGTH	POSITION
<b>(LERG6ATC continued ...)</b>			
36.	“E” STATUS date (mmddy)	6	141-146
37.	filler	1	147
38.	Last Modification Date (mmddy)	6	148-153
39.	filler	17	154-170
Operator Services (OS) Codes - (Reference LERGINFO for specifics)			
40.	OS Code 1	5	171-175
41.	OS Code 2	5	176-180
42.	OS Code 3	5	181-185
43.	OS Code 4	5	186-190
44.	OS Code 5	5	191-195
45.	OS Code 6	5	196-200
46.	OS Code 7	5	201-205
47.	OS Code 8	5	206-210
48.	OS Code 9	5	211-215
49.	OS Code 10	5	216-220
50.	OS Code 11	5	221-225
51.	OS Code 12	5	226-230
52.	OS Code 13	5	231-235
53.	OS Code 14	5	236-240
54.	OS Code 15	5	241-245
55.	OS Code 16	5	246-250
56.	OS Code 17	5	251-255
57.	OS Code 18	5	256-260
58.	OS Code 19	5	261-265
59.	OS Code 20	5	266-270
60.	OS Code 21	5	271-275
61.	OS Code 22	5	276-280
62.	OS Code 23	5	281-285
63.	OS Code 24	5	286-290
64.	OS Code 25	5	291-295

Fixed-length Filename:	<b>LERG6INS.DAT</b>	Description:	LERG6 - Change Activity
CSV Filename:	<b>LERG6INS.CSV</b>	Record Key(s):	Fields 9,10,11 (unique: 2,8, ...)
		Last Change:	03/01/07 (formerly LERG13IN)

  

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	Header - Activity Code	1	1
2.	Date of Activity (mmddyy)	6	2-7
3.	Version	1	8
4.	filler	2	9-10
5.	LATA (of Switch Location)	5	11-15
6.	LATA Name	20	16-35
7.	Status	1	36
8.	Effective Date (mmddyy)	6	37-42
9.	NPA	3	43-45
10.	NXX (Central Office Code)	3	46-48
11.	Block ID (A, 0-9)	1	49
12.	filler	4	50-53
13.	COC Type	3	54-56
14.	Special Service Code (SSC)	4	57-60
15.	Dialable Indicator (DIND) (Y/N)	1	61
	Terminating Digits -		
16.	End Office (EO)	2	62-63
17.	Access Tandem (AT)	2	64-65
18.	Portable Indicator (Y/N)	1	66
19.	Administrative OCN (AOCN)	4	67-70
20.	filler	1	71
21.	Operating Company Number (OCN)	4	72-75
	Locality -		
22.	Locality	10	76-85
23.	Locality Index	2	86-87
24.	Locality State/Province/Territory/Country	2	88-89
	Rate Center (RC) -		
25.	RC Name Abbreviation	10	90-99
26.	RC Type	1	100
	Line Range Data -		
27.	Lines From # (0000,1000, ...) (1212 for NXX 555)	4	101-104
28.	Lines To # (0999,1999, ...) (1212 for NXX 555)	4	105-108
29.	Switch	11	109-119
30.	Switch Homing Arrangement (SHA) Indicator	2	120-121
31.	filler	4	122-125
	Test Line Information		
32.	Test line number (NPA-NXX-test line number)	4	126-129
33.	Response (A)nnouncement/(M)illiwatt Tone	1	130
34.	filler	6	131-136
35.	Thousands Block Pooling Indicator	1	137
36.	LATA (of Rate Center Location)	5	138-142
37.	filler	1	143
	Informational dates of NPA NXX X		
38.	Creation Date in BIRRDs (mmddyy) -	6	144-149
39.	filler	1	150
40.	“E” STATUS date (mmddyy)	6	151-156
41.	filler	1	157
42.	Last Modification Date (mmddyy)	6	158-163
43.	filler	17	164-180

Fixed-length Filename:	<b>LERG6ODD.DAT</b>	Description:	Oddball Codes (NPA /NXX)
CSV Filename:	<b>LERG6ODD.CSV</b>	Record Key(s):	Fields 5,6,7 (unique: 4,5,6,7)
		Last Change:	03/01/07

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	LATA (of Switch Location)	5	1-5
2.	LATA Name	20	6-25
3.	Status	1	26
4.	Effective Date (mmddyy)	6	27-32
5.	NPA	3	33-35
6.	NXX (Central Office Code)	3	36-38
7.	Block ID (A, 0-9)	1	39
8.	filler	4	40-43
9.	COC Type	3	44-46
10.	Special Service Code (SSC)	4	47-50
11.	Dialable Indicator (DIND) (Y/N)	1	51
	Terminating Digits -		
12.	End Office (EO)	2	52-53
13.	Access Tandem (AT)	2	54-55
14.	Portable Indicator (Y/N)	1	56
15.	Administrative OCN (AOCN)	4	57-60
16.	filler	1	61
17.	Operating Company Number (OCN)	4	62-65
	Locality -		
18.	Locality	10	66-75
19.	Locality Index	2	76-77
20.	Locality State/Province/Territory/Country	2	78-79
	Rate Center (RC) -		
21.	RC Name Abbreviation	10	80-89
22.	RC Type	1	90
	Line Range Data -		
23.	Lines From # (0000,1000, ...) (1212 for NXX 555)	4	91-94
24.	Lines To # (0999,1999, ...) (1212 for NXX 555)	4	95-98
25.	Switch	11	99-109
26.	Switch Homing Arrangement (SHA) Indicator	2	110-111
27.	filler	4	112-115
	Test Line Information		
28.	Test line number (NPA-NXX-test line number)	4	116-119
29.	Response (A)nnouncement/(M)illiwatt Tone	1	120
30.	filler	6	121-126
31.	Thousands Block Pooling Indicator	1	127
32.	LATA (of Rate Center Location)	5	128-132
33.	filler	1	133
	Informational dates of NPA NXX X		
34.	Creation Date in BIRRDS (mmddyy) -	6	134-139
35.	filler	1	140
36.	“E” STATUS date (mmddyy)	6	141-146
37.	filler	1	147
38.	Last Modification Date (mmddyy)	6	148-153
39.	filler	17	154-170
40.	Notes	72	171-242

Fixed-length Filename:	<b>LERG7.DAT</b>	Description:	Switching Entity data
CSV Filename:	<b>LERG7.CSV</b>	Record Key(s):	Field 5 (unique: 4,5)
		Last Change:	06/01/12
#	FIELD DESCRIPTION	LENGTH	POSITION
1.	LATA	5	1-5
2.	LATA Name	20	6-25
3.	Status	1	26
4.	Effective Date (mmddyy)	6	27-32
5.	Switch	11	33-43
6.	Equipment Type	5	44-48
7.	Administrative OCN (AOCN)	4	49-52
8.	filler	1	53
9.	Operating Company Number (OCN)	4	54-57
10.	Vertical Coordinate (VC)	5	58-62
11.	Horizontal Coordinate (HC)	5	63-67
12.	International DDD (IDDD) (Y/N)	1	68
	Switch Address -		
13.	Street	60	69-128
14.	City	30	129-158
15.	State/Province/Territory/Country	2	159-160
16.	Postal Code	9	161-169
17.	Point Code Flag	1	170
18.	CLASS 4/5 Switch	11	171-181
	Switch Office Functionality (SOF) Indicators - (Reference LERGINFO for specifics) (An X in the field indicates function availability)		
19.	Functionality 1 - END OFC	1	182
20.	Functionality 2 - HOST	1	183
21.	Functionality 3 - REMOTE	1	184
22.	Functionality 4 - DA OFC	1	185
23.	Functionality 5 - CLASS 4/5	1	186
24.	Functionality 6 - WIRELESS OFC	1	187
25.	Functionality 7 - filler*	1	188
26.	Functionality 8 - filler*	1	189
27.	Functionality 9 - filler*	1	190
28.	Functionality 10 - filler*	1	191
29.	Functionality 11 - filler*	1	192
30.	Functionality 12 - FG B TDM	1	193
31.	Functionality 13 - FG C TDM	1	194
32.	Functionality 14 - FG D TDM	1	195
33.	Functionality 15 - OS TDM	1	196
34.	Functionality 16 - INTERMED OFC	1	197
35.	Functionality 17 - DA TDM	1	198
36.	Functionality 18 - 911 TDM	1	199
37.	Functionality 19 - filler*	1	200
38.	Functionality 20 - LOCAL TDM	1	201
39.	Functionality 21 - INTRA TDM	1	202
40.	Functionality 22 - CS DATA TDM	1	203
<b>(Continued on next page)</b>			

#	FIELD DESCRIPTION	LENGTH	POSITION
<b>(LERG7 continued ...)</b>			
41.	Functionality 23 - BCR5	1	204
42.	Functionality 24 - BCR6	1	205
43.	Functionality 25 - PRI 64	1	206
44.	Functionality 26 - ISDN MULTIRT	1	207
45.	Functionality 27 - ISDN FS OFC	1	208
46.	Functionality 28 - filler*	1	209
47.	Functionality 29 - filler*	1	210
48.	Functionality 30 - filler*	1	211
49.	Functionality 31 - filler*	1	212
50.	Functionality 32 - filler*	1	213
51.	Functionality 33 - filler*	1	214
52.	Functionality 34 - STP	1	215
53.	Functionality 35 - CCS AC OFC	1	216
54.	Functionality 36 - filler*	1	217
55.	Functionality 37 - 800 SSP	1	218
56.	Functionality 38 - LNP CAPABLE	1	219
57.	Functionality 39 - filler*	1	220
58.	Functionality 40 - filler*	1	221
59.	Functionality 41 - filler*	1	222
60.	Functionality 42 - CIP	1	223
61.	Functionality 43 - CSP	1	224
62.	Functionality 44 - filler*	1	225
63.	Functionality 45 - SW56	1	226
64.	Functionality 46 - FGD 56	1	227
65.	Functionality 47 - FGD 64	1	228
66.	Functionality 48 - INTRA PRSUB	1	229
67.	Functionality 49 - CALL AGENT	1	230
68.	Functionality 50 - TRUNK GATEWAY	1	231
69.	Functionality 51 - ACCESS GATEWAY	1	232
70.	Functionality 52 - filler*	1	233
71.	Functionality 53 - filler*	1	234
72.	Functionality 54 - filler*	1	235
73.	Functionality 55 - filler*	1	236
74.	filler	36	237-272
Informational dates of SWITCH			
75.	Creation Date in BIRRDs (mmddy) -	6	273-278
76.	filler	1	279
77.	“E” STATUS date (mmddy)	6	280-285
78.	filler	1	286
79.	Last Modification Date (mmddy)	6	287-292
80.	filler	1	293
81.	CLN Indicator	1	294
82.	Bill-to RAO	3	295-297
83.	Send-to RAO	3	298-300
84.	filler	12	301-312

Fixed-length Filename:	<b>LERG7INS.DAT</b>	Description:	LERG7 - Change Activity
CSV Filename:	<b>LERG7INS.CSV</b>	Record Key(s):	Field 9 (unique: 2,8,9)
		Last Change:	06/01/12

  

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	Header - Activity Code	1	1
2.	Date of Activity (mmddyy)	6	2-7
3.	Version	1	8
4.	filler	2	9-10
5.- 88.	The remaining fields in this file correspond to those in LERG7, beginning with field 1 in the LERG7 file layout. Field lengths commencing at this point are also the same as LERG7. Field starting positions for the LERG7INS fields are 10 more than those noted for LERG7.	--	11-322

Note that layouts are provided for LERG6 / LERG6INS depicting the concept that “Insert” files are identical to the primary file, with the exception of the 10 character lead-in noted above.

After the first 10 positions, this file is identical to LERG7.DAT. This file reports record changes since the previous month’s LERG. Transactions with EFFDATEs of the previous or earlier months are updates made to the underlying database after the previous LERG was issued, but which were effective before, or during, the previous month. Transactions with EFFDATEs of the current month, or in the future, represent additions, deletions, and changes from such future activity reported in the prior month’s LERG.

- (1) This file reports data “changed” since the previous month, relative to the primary file. It is NOT a summary of ALL future activity.
- (2) Refer to LERGINF0.DOC regarding the intent and use of Activity Code.
- (3) Activity Date corresponds to the date changes were processed to the underlying LERG database and should correlate to transactional activity provided via the LERG One-Day Changes Process.

Fixed-length Filename: <b>LERG7SHA.DAT</b>	Description: Switch Homing Data
CSV Filename: <b>LERG7SHA.CSV</b>	Record Key(s): Fields 5, 6 (unique: 4,5,6)
	Last Change: 03/01/05

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	LATA	5	1-5
2.	LATA Name	20	6-25
3.	Status	1	26
4.	Effective Date (mmddy)	6	27-32
5.	Switch	11	33-43
6.	Switch Homing Arrangement (SHA) Indicator	2	44-45
	Homing Information -		
7.	Originating Feature Group B Tandem	11	46-56
8.	Originating Feature Group C Tandem	11	57-67
9.	Originating Feature Group D Tandem	11	68-78
10.	Originating Operator Services Tandem	11	79-89
11.	Originating FG B Intermediate Office	11	90-100
12.	Originating FG C Intermediate Office	11	101-111
13.	Originating FG D Intermediate Office	11	112-122
14.	Originating Local Tandem	11	123-133
15.	Originating IntraLATA Tandem	11	134-144
16.	Orig. Circuit Switched Data Tandem	11	145-155
17.	filler	11	156-166
18.	Terminating Feature Group B Tandem	11	167-177
19.	Terminating Feature Group C Tandem	11	178-188
20.	Terminating Feature Group D Tandem	11	189-199
21.	Terminating Operator Services Tandem	11	200-210
22.	Terminating FG B Intermediate Office	11	211-221
23.	Terminating FG C Intermediate Office	11	222-232
24.	Terminating FG D Intermediate Office	11	233-243
25.	Terminating Local Tandem	11	244-254
26.	Terminating IntraLATA Tandem	11	255-265
27.	Term. Circuit Switched Data Tandem	11	266-276
28.	filler	11	277-287
29.	Host	11	288-298
30.	STP1 (first of pair)	11	299-309
31.	STP2 (second of pair)	11	310-320
32.	filler	11	321-331
33.	Originating 800 SSP	11	332-342
34.	ISDN Foreign Served Office	11	343-353
35.	Actual Switch Id	11	354-364
36.	Call Agent	11	365-375
37.	Trunk Gateway	11	376-386
38.	filler	11	387-397
39.	filler	11	398-408
40.	Operating Company Number (OCN)	4	409-412
41.	Administrative OCN (AOCN)	4	413-416
42.	filler	1	417
	Informational dates of SWITCH homing arrangement		
43.	Creation Date in BIRRDS (mmddy) -	6	418-423
44.	filler	1	424
45.	“E” STATUS date (mmddy)	6	425-430
46.	filler	1	431
47.	Last Modification Date (mmddy)	6	432-437
48.	filler	11	438-448

Fixed-length Filename:	<b>LERG7SHI.DAT</b>	Description:	LERG7SHA - Change Activity
CSV Filename:	<b>LERG7SHI.CSV</b>	Record Key(s):	Fields 9,10 (unique: 2,8,9,10)
		Last Change:	03/01/05

  

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	Header - Activity Code	1	1
2.	Date of Activity (mmddy)	6	2-7
3.	Version	1	8
4.	filler	2	9-10
5.- 52.	The remaining fields in this file correspond to those in LERG7SHA, beginning with field 1 in the LERG7SHA file layout. Field lengths commencing at this point are also the same as LERG7SHA. Field starting positions for the LERG7SHI fields are 10 more than those noted for LERG7SHA.	--	11-458

Note that layouts are provided for LERG6 / LERG6INS depicting the concept that “Insert” files are identical to the primary file, with the exception of the 10 character lead-in noted above.

After the first 10 positions, this file is identical to LERG7SHA.DAT. This file reports record changes since the previous month’s LERG. Transactions with EFFDATEs of the previous or earlier months are updates made to the underlying database after the previous LERG was issued, but which were effective before, or during, the previous month. Transactions with EFFDATEs of the current month, or in the future, represent additions, deletions, and changes from such future activity reported in the prior month’s LERG.

- (1) This file reports data “changed” since the previous month, relative to the primary file. It is NOT a summary of ALL future activity.
- (2) Refer to LERGINFO.DOC regarding the intent and use of Activity Code.
- (3) Activity Date corresponds to the date changes were processed to the underlying LERG database and should correlate to transactional activity provided via the LERG One-Day Changes Process.

Fixed-length Filename:	<b>LERG8.DAT</b>	Description:	Rate Center data
CSV Filename:	<b>LERG8.CSV</b>	Record Key(s):	Fields 6,7,5 (unique: 4,5,6,7)
		Last Change:	06/01/04
#	FIELD DESCRIPTION	LENGTH	POSITION
1.	LATA	5	1-5
2.	LATA Name	20	6-25
3.	Status	1	26
4.	Effective Date (mmddy)	6	27-32
5.	RC State/Province/Territory/Country	2	33-34
6.	Rate Center (RC) Name Abbreviation	10	35-44
7.	RC Type	1	45
8.	RC Full Name	50	46-95
9.	Major Vertical Coordinate	5	96-100
10.	Major Horizontal Coordinate	5	101-105
11.	Minor Vertical Coordinate	5	106-110
12.	Minor Horizontal Coordinate	5	111-115
13.	NPA1 (Area Code)	3	116-118
14.	NPA2	3	119-121
15.	NPA3	3	122-124
16.	NPA4	3	125-127
17.	NPA5	3	128-130
18.	NPA6	3	131-133
19.	NPA7	3	134-136
20.	NPA8	3	137-139
21.	NPA9	3	140-142
22.	NPA10	3	143-145
23.	Major Trading Area (MTA) – 1	2	146-147
24.	Major Trading Area (MTA) – 2	2	148-149
25.	Split Indicator (Y/N) (If RC is split across NPAs)	1	150
26.	Embedded Overlay NPA1	3	151-153
27.	Embedded Overlay NPA2	3	154-156
28.	Embedded Overlay NPA3	3	157-159
29.	Embedded Overlay NPA4	3	160-162
30.	filler	10	163-172

Fixed-length Filename:	<b>LERG8LIR.DAT</b>	Description:	LIRs per Rate Center
CSV Filename:	<b>LERG8LIR.CSV</b>	Record Key(s):	Fields 1,2 (unique: 1,2,5)
		Last Change:	06/01/15

  

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	Province	2	1-2
2.	Local Interconnection Region (LIR)	10	3-12
3.	Status	1	13
4.	Effective Date (mmddy)	6	14-19
5.	LIR Full Name	50	20-69
6.	ILEC OCN	4	70-73
7.	LIR Code	10	74-83
8.	Rate Center (RC) Name Abbreviation	10	84-93
9.	RC Type	1	94
10.	Rate Center Name	50	95-144
11.	Rate Center Portability (Y/N)	1	145
12.	filler	15	146-160

Fixed-length Filename:	<b>LERG8LOC.DAT</b>	Description:	Localities per Rate Center
CSV Filename:	<b>LERG8LOC.CSV</b>	Record Key(s):	Fields 5,6,7 (unique: 5,6,7,4)
		Last Change:	03/01/07

  

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	LATA	5	1-5
2.	LATA Name	20	6-25
3.	Status	1	26
4.	Effective Date (mmddy)	6	27-32
	Locality		
5.	Locality	10	33-42
6.	Locality Index	2	43-44
7.	Locality State/Province/Territory/Country	2	45-46
8.	Locality Full Name	50	47-96
9.	filler	8	97-104
10.	Rate Center (RC) Name Abbreviation	10	105-114
11.	RC Type	1	115
12.	filler	1	116
13.	County	20	117-136
14.	filler	24	137-160

Fixed-length Filename:	<b>LERG8PST.DAT</b>	Description:	Localities per Rate Center
CSV Filename:	<b>LERG8PST.CSV</b>	Record Key(s):	Fields 1,2,3 (unique: 1,2,3,5)
		Last Change:	06/01/08

  

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	Locality	10	1-10
2.	Locality Index	2	11-12
3.	Locality State/Province/Territory/Country	2	13-14
4.	filler	1	15
5.	Postal Code *	7	16-22
6.	filler	1	23
7.	Usage Indicator	1	24
8.	filler	1	25
9.	Exception Flag	1	26
10.	filler	6	27-32

\* Left-justified. U.S. ZIP Codes occupy the first 5 positions of the 7-position field.

Fixed-length Filename:	<b>LERG9.DAT</b>	Description:	Homing Arrangements
CSV Filename:	<b>LERG9.CSV</b>	Record Key(s):	Field 3 (unique: 3,18,19)
		Last Change:	03/01/05
#	FIELD DESCRIPTION	LENGTH	POSITION
1.	LATA	5	1-5
2.	LATA Name	20	6-25
	Homed-to Switch (e.g. tandem, host, STP, etc.) data -		
3.	Switch	11	26-36
4.	Homed-to Switch LATA	5	37-41
5.	Homed-to Switch Equipment Type	5	42-46
6.	Status	1	47
7.	Effective Date (mmddy)	6	48-53
	Homing Switch data -		
8.	COCTYPE (i.e. "ATC")	3	54-56
9.	Change Source	1	57
10.	Status	1	58
11.	Effective Date	6	59-64
12.	NPA (Area Code)	3	65-67
13.	NXX (Central Office Code)	3	68-70
14.	Switch	11	71-81
15.	Equipment Type	5	82-86
16.	Function(s) Originating	8	87-94
17.	Function(s) Terminating	8	95-102
18.	View ID	7	103-109
19.	View Line #	4	110-113
20.	Total Lines/View	4	114-117
21.	Record Type (A=Homed-to Switch, B=ATC, C=Homing Switch)	1	118
22.	filler	1	119
23.	Homing Switch SHA Indicator	2	120-121
24.	filler	14	122-135

Fixed-length Filename: <b>LERG9ATC.DAT</b>	Description: Homing Arrangements (NPA/ATC)
CSV Filename: <b>LERG9ATC.CSV</b>	Record Key(s): Field 3 (unique: 3,18,19)
	Last Change: 03/01/05

This file is structured identical to LERG9.DAT, adding Operator Services (OS) Codes.

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	LATA	5	1-5
2.	LATA Name	20	6-25
	Homed-to Switch (e.g. tandem, host, STP, etc.) data -		
3.	Switch	11	26-36
4.	Homed-to Switch LATA	5	37-41
5.	Homed-to Switch Equipment Type	5	42-46
6.	Status	1	47
7.	Effective Date (mmddy)	6	48-53
	Homing Switch data -		
8.	COCTYPE (i.e. "ATC")	3	54-56
9.	Change Source	1	57
10.	Status	1	58
11.	Effective Date	6	59-64
12.	NPA (Area Code)	3	65-67
13.	NXX (Central Office Code)	3	68-70
14.	Switch	11	71-81
15.	Equipment Type	5	82-86
16.	Function(s) Originating	8	87-94
17.	Function(s) Terminating	8	95-102
18.	View ID	7	103-109
19.	View Line #	4	110-113
20.	Total Lines/View	4	114-117
21.	Record Type (A=Homed-to Switch, B=ATC, C=Homing Switch)	1	118
22.	filler	1	119
23.	Homing Switch SHA Indicator	2	120-121
24.	filler	14	122-135
	Operator Services (OS) Codes - (Reference LERGINFO for specifics)		
25-49.	OS Code 1thru 25 (5 positions each)	5ea	136-260

Fixed-length Filename: <b>LERG10.DAT</b>	Description: Operator Services Codes
CSV Filename: <b>LERG10.CSV</b>	(by NPA NXX)
	Record Key(s): Fields 3,4,8,9 (unique: 2, ...)
	Last Change: 03/01/07

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	Status	1	1
2.	Effective Date (mmddy)	6	2-7
3.	NPA (Area Code)	3	8-10
4.	NXX	3	11-13
	Locality data -		
5.	Locality Name	50	14-63
6.	Locality State/Province/Territory/Country	2	64-65
7.	Locality Index	2	66-67
8.	NPA of Access Tandem Code (ATC)	3	68-70
9.	Access Tandem Code (ATC)	3	71-73
	Operator Services (OS) Codes - (Reference LERGINFO for specifics)		
10.	OS Code 1	5	74-78
11.	OS Code 2	5	79-83
12.	OS Code 3	5	84-88
13.	OS Code 4	5	89-93
14.	OS Code 5	5	94-98
15.	OS Code 6	5	99-103
16.	OS Code 7	5	104-108
17.	OS Code 8	5	109-113
18.	OS Code 9	5	114-118
19.	OS Code 10	5	119-123
20.	OS Code 11	5	124-128
21.	OS Code 12	5	129-133
22.	OS Code 13	5	134-138
23.	OS Code 14	5	139-143
24.	OS Code 15	5	144-148
25.	OS Code 16	5	149-153
26.	OS Code 17	5	154-158
27.	OS Code 18	5	159-163
28.	OS Code 19	5	164-168
29.	OS Code 20	5	169-173
30.	OS Code 21	5	174-178
31.	OS Code 22	5	179-183
32.	OS Code 23	5	184-188
33.	OS Code 24	5	189-193
34.	OS Code 25	5	194-198
35.	LATA	5	199-203

Fixed-length Filename:	<b>LERG11.DAT</b>	Description:	Operator Services Codes (by Locality)
CSV Filename:	<b>LERG11.CSV</b>	Record Key(s):	Fields 4,6,5,7,8 (unique: 2, ...)
		Last Change:	03/01/07

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	Status	1	1
2.	Effective Date (mmddy)	6	2-7
3.	filler	6	8-13
	Locality data -		
4.	Locality Name	50	14-63
5.	Locality State/Province/Territory/Country	2	64-65
6.	Locality Index	2	66-67
7.	NPA of Access Tandem Code (ATC)	3	68-70
8.	Access Tandem Code (ATC)	3	71-73
	Operator Services (OS) Codes -		
9.	OS Code 1	5	74-78
10.	OS Code 2	5	79-83
11.	OS Code 3	5	84-88
12.	OS Code 4	5	89-93
13.	OS Code 5	5	94-98
14.	OS Code 6	5	99-103
15.	OS Code 7	5	104-108
16.	OS Code 8	5	109-113
17.	OS Code 9	5	114-118
18.	OS Code 10	5	119-123
19.	OS Code 11	5	124-128
20.	OS Code 12	5	129-133
21.	OS Code 13	5	134-138
22.	OS Code 14	5	139-143
23.	OS Code 15	5	144-148
24.	OS Code 16	5	149-153
25.	OS Code 17	5	154-158
26.	OS Code 18	5	159-163
27.	OS Code 19	5	164-168
28.	OS Code 20	5	169-173
29.	OS Code 21	5	174-178
30.	OS Code 22	5	179-183
31.	OS Code 23	5	184-188
32.	OS Code 24	5	189-193
33.	OS Code 25	5	194-198
34.	LATA	5	199-203

Fixed-length Filename:	<b>LERG12.DAT</b>	Description:	Location Routing Numbers (LRNs)
CSV Filename:	<b>LERG12.CSV</b>	Record Key(s):	Field 5 (unique: 4,5)
		Last Change:	03/01/07

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	LATA (served by LRN)	5	1-5
2.	LATA Name	20	6-25
3.	Status	1	26
4.	Effective Date (mmddyy)	6	27-32
5.	Location Routing Number (LRN) (NPA NXX xxxx)	10	33-42
6.	filler	31	43-73
7.	Switch	11	74-84
8.	Administrative OCN (AOCN)	4	85-88
9.	filler	1	89
10.	Operating Company Number (OCN) (of NPA NXX)	4	90-93
11.	Rate Center (RC) - RC Name Abbreviation	10	94-103
12.	RC Type	1	104
13.	RC State/Province/Territory/Country	2	105-106
14.	filler	1	107
15.	Switch Homing Arrangement (SHA) Indicator	2	108-109
16.	filler	27	110-136

Fixed-length Filename:	<b>LERG12IN.DAT</b>	Description:	LERG12 - Change Activity
CSV Filename:	<b>LERG12IN.CSV</b>	Record Key(s):	Field 9 (unique: 2,8,9)
		Last Change:	03/01/07

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	Header – Activity Code	1	1
2.	Date of Activity (mmddyy)	6	2-7
3.	Version	1	8
4.	filler	2	9-10
5.-20.	The remaining fields in this file correspond to those in LERG12, beginning with field 1 in the LERG12 file layout. Field lengths commencing at this point are also the same as LERG12. Field starting positions for the LERG12IN fields are 10 more than those noted for LERG12.  Note that layouts are provided for LERG6 / LERG6INS depicting the concept that “Insert” files are identical to the primary file, with the exception of the 10 character lead-in noted above.	--	11-146

After the first 10 positions, this file is identical to LERG12.DAT. This file reports record changes since the previous month's LERG. Transactions with EFFDATEs of the previous or earlier months are updates made to the underlying database after the previous LERG was issued, but which were effective before, or during, the previous month. Transactions with EFFDATEs of the current month, or in the future, represent additions, deletions, and changes from such future activity reported in the prior month's LERG.

- (1) This file reports data “changed” since the previous month, relative to the primary file. It is NOT a summary of ALL future activity.
- (2) Refer to LERGINFO.DOC regarding the intent and use of Activity Code.
- (3) Activity Date corresponds to the date changes were processed to the underlying LERG database and should correlate to transactional activity provided via the LERG One-Day Changes Process.

Fixed-length Filename:	<b>LERG13.DAT</b>	Description:	Not Applicable
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Record Key(s):	Not Applicable
Last Change:	Eliminated 12/01/03

LERG13 was renamed to LERG6 starting 12/01/03. Similarly, LERG13IN was renamed to LERG6INS. This information has been inserted here as a placeholder and as a means to address any questions as to history.

Fixed-length Filename:	<b>LERG14.DAT</b>	Description:	Not Applicable
		Record Key(s):	Not Applicable
		Last Change:	Eliminated 06/01/15

LERG14 initially was established to reflect alternate routing of NPA NXXs. Due to regulatory decisions, the initial use of this file, as was developed, no longer applied. The field was subsequently used to permit routing of NPA-555-1212 calls to a given provider, however the service declined, and data became stale. This file was removed per industry consensus. This information has been inserted here as a placeholder and as a means to address any questions as to history.

Fixed-length Filename:	<b>LERG15.DAT</b>	Description:	Not Applicable
		Record Key(s):	Not Applicable
		Last Change:	Eliminated 06/01/12

LERG15 reflected E911/County relationships relative to E911 tandems. This file was removed per industry consensus due to lack of industry guidelines to require the data to be populated and maintained. This information has been inserted here as a placeholder and as a means to address any questions as to history.

Fixed-length Filename:	<b>LERG16.DAT</b>	Description:	IP routable LRNs
CSV Filename:	<b>LERG16.CSV</b>	Record Key(s):	Field 1 (unique: 1,3)
		Last Change:	03/01/20

#	FIELD DESCRIPTION	LENGTH	POSITION
1.	LRN	10	1-10
2.	Status	1	11
3.	Effective Date (mmddy)	6	12-17
4.	IP Capable OCN	4	18-21
5.	OCN (of the Code Holder)	4	22-25
6.	AOCN	4	26-29
7.	FQDN OCN	4	30-33
8.	FQDN	255	34-288

Fixed-length Filename:	<b>LERG17.DAT</b>	Description:	IP routable NXX/NXX-Xs
CSV Filename:	<b>LERG17.CSV</b>	Record Key(s):	Fields 1,2,3 (unique: 1,2,3,5)
		Last Change:	03/01/20
#	FIELD DESCRIPTION	LENGTH	POSITION
1.	NPA	3	1-3
2.	NXX	3	4-6
3.	BLOCK	1	7
4.	Status	1	8
5..	Effective Date (mmddy)	6	9-14
6.	IP Capable Indicator (Y/N)	1	15
7.	OCN	4	16-19
8.	SWITCH	11	20-30
9.	AOCN	4	31-34
10.	FQDN OCN	4	35-38
11.	FQDN	255	39-293

Fixed-length Filename:	<b>LERGEND.DAT</b>	Description:	Stats supporting files
CSV Filename:	<b>LERGEND.CSV</b>	Record Key(s):	Field 2
		Last Change:	04/01/00
#	FIELD DESCRIPTION	LENGTH	POSITION
1.	filler	1	1
2.	LERG file number	8	2-9
3.	filler	5	10-14
4.	Release Date (mm/dd/yy)	8	15-22
5.	filler	5	23-27
6.	Record Count	11	28-38
7.	filler	5	39-43
8.	Data Download Date (mm/dd/yy)	8	44-51
9.	filler	29	52-80