

This document provides the instructions for FCC Report 43-08, the ARMIS Operating Data Report, which was adopted by the Common Carrier Bureau in Revision of ARMIS USOA Report (FCC Report 43-02) for Tier 1 Telephone Companies, 7 FCC Rcd. 1083, 1992. The instructions consist of the following five sections:

1. Reporting Procedures - details on the specific procedures to be followed when submitting this report to the Commission.
2. Report Definition - illustration of the rows and columns to be reported and their definitions.
 - a. Summary - description of the form.
 - b. Form - illustration of the rows and columns to be reported.
 - c. Row Instructions - instructions for completing the rows to be reported.
 - d. Column Descriptions - descriptions of the columns to be reported.
 - e. Certification - illustration of the certification page.
3. Automated Report Specifications - detailed automated data processing (ADP) specifications for the automated report to be filed.
4. Paper Report Specifications - specifications for the paper report to be filed.
5. COSA Code Table - list of four letter COSA codes (CO = Company, SA = Study Area).

A. Introduction

This document contains details on the specific procedures to be followed when submitting FCC Report 43-08, the ARMIS Operating Data Report, to the Commission.

B. General Information

1. FCC Report 43-08 was adopted by the Common Carrier Bureau in Revision of ARMIS USOA Report (FCC Report 43-02) for Tier 1 Telephone Companies, 7 FCC Rcd. 1083, 1992. The report is prescribed for each incumbent local exchange carrier (ILEC) with annual operating revenues for the preceding year equal to or above the indexed revenue threshold. See Memorandum Opinion and Order DA 95-1488 (June 30, 1995) and Order and Notice of Proposed Rulemaking CC Docket No. 96-193 (September 12, 1996).
2. Affected carriers shall file by April 1 for the previous calendar year.
3. The report shall be filed on an operating company basis.
4. Carriers seeking proprietary treatment for some data must provide two versions of each paper and automated report. The Confidential Version must contain all the required information (Confidential Treatment Tables/Data Records are provided to identify confidential data). The Public Version should not include data for which the carrier is seeking proprietary treatment. The carrier should **prominently** label the paper report and the diskette containing information subject to a claim of confidentiality to prevent inadvertent disclosure.
5. Carriers not seeking proprietary treatment for any data should provide only one version of each paper report and diskette, and the paper report and diskette should be labeled the Unrestricted Version.
6. The Confidential Treatment Tables/Data Records are to be included in all reports but are not a substitute for applying for confidential treatment with this Commission following established Commission procedures.
7. Each report and diskette must be clearly labeled to include the report number, company, study area, period, COSA code, version and submission number. The report number is 43-08, which identifies the filing as the ARMIS Operating Data Report. The period identifies the year covered by the data. See the attached COSA Code Table (CO = Company, SA = Study Area) for a list of companies and their respective COSAs. The version refers to whether the filing is the Confidential, Public or Unrestricted Version. The submission number is defined as follows: submission 0 is for test data purposes only; submission 1 is the first submission of a year's data. If there is a change in the data in either the automated or the paper report, the carrier must resubmit both. A higher number (2, 3, etc.) and a new data entry date must be used each time a change occurs to

denote a new submission. The automated report and paper report submission numbers must be the same. When correcting format errors, a new submission number is not required, however, the data entry date must be changed to reflect the date of the format change.

8. Each reporting carrier must validate its data by using the most recent edit check program(s), provided by the Commission, for the reporting year. When an error is detected, the carrier must correct the error prior to submitting the report to the Commission. Once the carrier corrects its data so that the edit check program identifies no errors, the carrier should submit the ARMIS report along with a copy of the edit check printout to the Commission verifying that the program did not identify any errors.

C. **Data Items That Are "Not Available", "Withheld", or "Irretrievable"**

1. The term "Not Available" is used below to refer only to those items which the Commission has ruled are not applicable to a particular row/column or are not required for a particular filing entity. The Confidential Version must contain values for all of the data items except those items which are "Not Available." If, in addition to the required operating company reports, a carrier submits a report which combines data for more than one operating company, and this report includes a field such as a sum, a ratio, or a percentage that cannot be computed completely and accurately because it relies on another item which the Commission has ruled is a "Not Available" item, then that field is also considered to be "Not Available."
2. The term "Withheld" is used below to refer only to those items for which the carrier has applied for confidential treatment with the Commission and is only applicable to the Public Version. If a field such as a sum, a ratio or a percentage relies on an item or items which have been withheld and that field is not also withheld, then it must include the withheld amount. For example, a carrier could withhold the individual values for two of three numbers which are totaled. If the carrier does not also apply for confidential treatment for the total, then that total must be the sum of all three numbers, not just the one which was not withheld. The Public Version must contain values for all of the data items except those items which are "Not Available" or those items which have been "Withheld."
3. Items that are not being reported because the filing carrier has a waiver or has applied for a waiver are designated as "Irretrievable."
4. See the Automated Report Specifications and the Paper Report Specifications for data entry conventions for these items.

D. Where to File

1. Carriers submitting FCC Report 43-08 should consult the schedule below which details the number of copies required and the location to which those copies should be delivered.
2. Carriers are reminded that they must serve a copy of either the Unrestricted Version or the Public Version of both the paper report and the automated report (diskette) on the FCC's contractor for public records duplication.

NUMBER OF COPIES**FOR CARRIERS SEEKING PROPRIETARY TREATMENT**

	Trans- mittal Letter	Edit Check Report	Confi- dential Paper Report	Confi- dential Automated Report (diskette)	Public Paper Report	Public Automated Report (diskette)
Federal Communications Commission Office of the Secretary 445 Twelfth Street, S.W.; TW-A325 Washington, D.C. 20554	1	—	—	—	—	—
Federal Communications Commission Reference Information Center (RIC) 445 Twelfth Street, S.W.; CY-A257 Washington, D.C. 20554	1	—	—	—	1	1
FCC Common Carrier Bureau Accounting Safeguards Division Reporting Management and Analysis Branch 445 Twelfth Street, S.W.; 6-B201 Washington, D.C. 20554	1	1	1	1	1	1
FCC Common Carrier Bureau Industry Analysis Division 445 Twelfth Street, S.W.; 6-A220 Washington, D.C. 20554	1	1	1	1	1	1
International Transcription Service, Inc. (ITS) 1231 20th Street, N.W. Washington, D.C. 20036	1	—	—	—	1	1

FOR CARRIERS NOT SEEKING PROPRIETARY TREATMENT

	Trans- Mittal Letter	Edit Check Report	Unre- Stricted Paper Report	Unre- Stricted Automated Report (diskette)
Federal Communications Commission Office of the Secretary 445 Twelfth Street, S.W.; TW-A325 Washington, D.C. 20554	1	—	—	—
Federal Communications Commission Reference Information Center (RIC) 445 Twelfth Street, S.W.; CY-A257 Washington, D.C. 20554	1	1	1	1
FCC Common Carrier Bureau Accounting Safeguards Division Reporting Management and Analysis Branch 445 Twelfth Street, S.W.; 6-B201 Washington, D.C. 20554	1	1	1	1
FCC Common Carrier Bureau Industry Analysis Division 445 Twelfth Street, S.W.; 6-A220 Washington, D.C. 20554	1	1	1	1
International Transcription Service, Inc. (ITS) 1231 20th Street, N.W. Washington, D.C. 20036	1	1	1	1

E. **Footnotes**

1. If any data for the current period differs materially from that for the previous period and the difference is not self-explanatory but was caused by unusual circumstances not explained in a previous report (including data filed in compliance with revised definitions), then include footnote text to explain the specific circumstances. The carrier must include an explanatory footnote for all items designated as "Irretrievable." Certain items require accompanying footnotes and those items are specified in the appropriate section of the instructions for filing the 43-08. Such footnotes are mandatory and must be entered in the Footnote Text Records and Footnote Table.

EXAMPLE:

Table II, column (ci) requires the reporting carrier to itemize in a footnote the separate categories and amounts which are included there.

2. If the reporting carrier does not follow the procedures described in the row and column instructions of the attached Report Definition, it must explain any deviations from those procedures in an explanatory footnote. Such footnotes must provide detailed explanations of the procedures actually used by the carrier and its specific reasons for deviating from the procedures prescribed. This provision should not be interpreted to mean that deviations from the prescribed procedures will automatically be approved by the Commission.

EXAMPLES:

Do not say, "Data are compiled using a more inclusive process than in previous filing."
Do say, "Data are compiled using a process that includes xxx, which was not included in previous filings. The impact of including xxx in this row inflates this number by x% over the previous reporting period."

Do not say, "This value was not calculated pursuant to the instructions."
Do, say "This value was calculated using the xxx method rather than the method described in the instructions because..."

Do not say, "Corrected Data."
Do say, "\$xxxx is changed to \$xxxx because ...".

Do not say, "Waiver" or Waiver Granted."
Do say, "Waiver of Part xx.xxx was granted in CC Docket No. xx-xxx, X FCC, xxxx (1992) to allow Any Company tobecause...."

3. The footnote text must be included in the Footnote Text Records and the Footnote Table as specified in the Automated Report Specifications.

F. Errata

1. Carriers are under a legal obligation to correct any erroneous data discovered in FCC Report 43-08. Submissions containing corrected data must include references to indicate which data items were corrected since the previous submission. These references must be included in the Erratum Records and the Erratum Table as specified in the Automated Report and Paper Specifications. In addition, the carrier must include in the transmittal letter, a brief statement indicating the reason for the errata.

G. Certification

1. Carriers must certify the accuracy of the data submitted in FCC Report 43-08 by including a certification statement, signed by a corporate officer, as the last page of the paper report.

2. The text of the certification statement is included in the attached Report Definition.

H. **Waivers**

1. If a carrier determines that it will be unable to provide data required by FCC Report 43-08, it must file an application for waiver with the Commission following established Commission procedures. All such requests from a carrier should be included in a single application. The application must demonstrate good cause for reporting a different or lower level of detail and indicate how these deficiencies will be corrected.
2. Carriers should not act upon requests for waiver until waivers are granted. It is important that carriers be aware that waivers are not in effect until they are granted, in writing, by the Commission or under delegated authority.
3. Omission of individual data items or entries, without request for waiver, is unacceptable. One reason that compliance with the full requirements is so important is that omission of any single data entry by any carrier will jeopardize the accuracy of aggregate industry information.

I. **Extension of Filing Time**

1. Requests for extensions of filing time must be made in a timely manner. Requests received less than 72 hours prior to a filing date are prima facie unreasonable.

J. **Public Information**

1. The Public or Unrestricted Versions of the paper reports filed as Report 43-08 may be examined by the public from 9:00 a.m. to 5:00 p.m., Monday through Friday, in Room CY-A257, 445 Twelfth Street, S.W., Washington, D.C.
2. Copies of the Public or Unrestricted Versions of the paper or automated reports filed as FCC Report 43-08 may be obtained from the FCC's contractor for public records duplication, ITS. Parties should contact ITS at (202) 857-3800.

For further information regarding these procedures, contact:

Barbara Van Hagen
FCC Common Carrier Bureau
Accounting Safeguards Division
(202) 418-0840

Approved by OMB
3060-0496
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SUMMARY

Estimated Average Burden Hours Per Response: 160 hours

This document provides the Report Definition for FCC Report 43-08, the ARMIS Operating Data Report, and lists the company level statistical data which must be provided annually. It contains the following:

	<u>Pages</u>
State Row Numbers and Codes - Reference Table	3 & 4
Table I.A - Outside Plant Statistics - Cable & Wire Facilities	5 thru 7
Table I.B - Outside Plant Statistics - Other	8 & 9
Table II - Switched Access Lines In Service By Technology	10 & 11
Table III - Access Lines In Service By Customer	12 & 13
Table IV - Telephone Calls	14
Row and Column Descriptions	15 thru 31
Certification	32

To convert miles to kilometers, compute total miles, multiply by 1.6093, and then round to the nearest whole number. Internal calculations should retain, where applicable, at least 4 decimal places of accuracy; compute totals and then round to the nearest whole number before applying weighting factors. Round final results (in kilometers) to the nearest whole number, but report any non-zero entry that is less than 1 kilometer as 1 kilometer. Round the number of equivalent telephone poles to the nearest whole number. Round telephone calls and minutes to the nearest thousand, but report any non-zero entry that is less than 1 (thousand) as 1 (thousand). Report the number of access lines in whole numbers. Report all other amounts in actual units.

Items which need not be reported because they do not apply are designated by N/A. Items that are not being reported because the carrier has a waiver or has applied for a waiver are designated by I/T. All other fields must be populated. If there are no data applicable to a given field, enter zero.

When errata occur, carriers must include in the transmittal letter a brief statement indicating the reason for the errata. Other explanatory notes must be included in the footnote section of the filing.

NOTICE: The ARMIS Operating Data Report collects annual statistical data in a consistent format and is essential for the FCC to monitor network growth, usage, and reliability. Your response is mandatory.

Public reporting burden for this collection of information is estimated to average 160 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to the Federal Communications Commission, Office of Managing Director, Washington, DC 20554.

An agency may not conduct or sponsor and a person is not required to respond to a collection of information unless it displays a currently valid control number.

STATE ROW NUMBERS AND CODES
REFERENCE TABLE

State or Territory	Row Number	Code
Alabama	0110	AL
Alaska	0120	AK
Arizona	0130	AZ
Arkansas	0140	AR
California	0150	CA
Colorado	0160	CO
Connecticut	0170	CT
Delaware	0180	DE
District of Columbia	0190	DC
Florida	0200	FL
Georgia	0210	GA
Hawaii	0220	HI
Idaho	0230	ID
Illinois	0240	IL
Indiana	0250	IN
Iowa	0260	IA
Kansas	0270	KS
Kentucky	0280	KY
Louisiana	0290	LA
Maine	0300	ME
Maryland	0310	MD
Massachusetts	0320	MA
Michigan	0330	MI
Minnesota	0340	MN
Mississippi	0350	MS
Missouri	0360	MO
Montana	0370	MT
Nebraska	0380	NE
Nevada	0390	NV
New Hampshire	0400	NH
New Jersey	0410	NJ
New Mexico	0420	NM
New York	0430	NY
North Carolina	0440	NC
North Dakota	0450	ND
Ohio	0460	OH
Oklahoma	0470	OK
Oregon	0480	OR
Pennsylvania	0490	PA

State or Territory	Row Number	Code
Rhode Island	0500	RI
South Carolina	0510	SC
South Dakota	0520	SD
Tennessee	0530	TN
Texas	0540	TX
Utah	0550	UT
Vermont	0560	VT
Virginia	0570	VA
Washington	0580	WA
West Virginia	0590	WV
Wisconsin	0600	WI
Wyoming	0610	WY
Northern Mariana Islands	0730	MC
Puerto Rico	0710	PR
Virgin Islands	0720	VI
Ocean Cable	0810	OC
Total	0910	TO

TABLE I.A - OUTSIDE PLANT STATISTICS - CABLE AND WIRE FACILITIES

GENERAL INSTRUCTIONS

Table I.A requires the annual reporting of various cable and wire facility statistics by state as of December 31 of the calendar year covered by the report. Report all solely owned plant and the respondent's proportionate interest in jointly owned plant.

To convert miles to kilometers, compute total miles, multiply by 1.6093 and then round to the nearest whole number. Internal calculations should retain, where applicable, at least 4 decimal places of accuracy; compute totals and then round to the nearest whole number before applying weighting factors. Round final results to the nearest whole number, but report any non-zero entry that is less than 1 kilometer as 1 kilometer.

Include footnotes in the Footnote Table liberally, especially where the reporting company perceives any ambiguities in the data provided, where procedures or internal sources associated with data preparation have changed (including data filed in compliance with revised definitions), or where required data are available only in part or on an estimated basis.

ROW INSTRUCTIONS

Each row represents a state, district or territory in which the reporting company has cable and wire facilities. Include only those rows with data to be reported, but complete every item in those rows. Include a row for total company data, even if there is only one state row. See the State Row Numbers and Codes Reference Table for assigned row numbers and codes and for the correct order in which the rows shall appear.

COLUMN DESCRIPTIONS

Each column represents a category of cable and wire facilities. In columns (d) through (q) classify a cable containing only copper, coaxial, or other metallic conductors as metallic, but classify a cable containing both fiber and copper, coaxial, or other metallic conductors as fiber. In all columns include both local loop and interoffice facilities where applicable.

COLUMN

- (a) State or Territory - The name of one of the fifty U.S. states or one of the following: District of Columbia, Northern Mariana Islands, Puerto Rico, Virgin Islands, Ocean Cable, or Total.
- (b) State or Territory Code - The two-letter Postal Abbreviation for the state or territory. Use "MC" for Northern Mariana Islands, "OC" for Ocean Cable and "TO" for Total Company.

- (c) Kilometers of Aerial Wire - Bare line wire and rural and urban distribution wire included in the Aerial Wire account (Account 2431), pursuant to FCC R.A.O. Letter 6. Where applicable, multiply the distance by 2 to account for wire pairs. Include both local loop and interoffice facilities.

Aerial Cable - Cables in the Aerial Cable account (Account 2421). These cables are attached to utility poles. The cables in this environment can have metallic conductors or non-metallic fibers. Include both local loop and interoffice facilities.

- (d) Sheath Kilometers of Metallic Aerial Cable - Sheath kilometers of aerial cable with copper or other metallic conductors.
- (e) Sheath Kilometers of Fiber Aerial Cable - Sheath kilometers of aerial cable with non-metallic fibers.

Underground Cable - Cables in the Underground Cable account (Account 2422). These cables are located in conduit and manholes. The cables in this environment can have metallic conductors or non-metallic optical fibers. Include both local loop and interoffice facilities.

- (f) Sheath Kilometers of Metallic Underground Cable - Sheath kilometers of underground cable containing copper or other metallic conductors.
- (g) Sheath Kilometers of Fiber Underground Cable - Sheath kilometers of underground cable containing non-metallic fibers.

Buried Cable - Cables in the Buried Cable account (Account 2423). These cables are buried directly below the ground and not placed in conduit structure. The cables in this environment can have metallic conductors or non-metallic optical fibers. Include both local loop and interoffice facilities.

- (h) Sheath Kilometers of Metallic Buried Cable - Sheath kilometers of buried cable with copper or other metallic conductors.
- (i) Sheath Kilometers of Fiber Buried Cable - Sheath kilometers of buried cable with non-metallic fibers.

Submarine Cable - Cables in the Submarine Cable account (Account 2424). These cables are submerged and cross large bodies of water. Cables in this environment are laid directly on the bottom and not enclosed within a protective cover such as conduit. The cables in this environment can have transmission paths comprised of either metallic conductors or non-metallic optical fibers. Include both local loop and interoffice facilities.

- (j) Sheath Kilometers of Metallic Submarine Cable - Sheath kilometers of submarine cable with copper or other metallic conductors.

- (k) Sheath Kilometers of Fiber Submarine Cable - Sheath kilometers of submarine cable with non-metallic fibers.

Deep Sea Cable - Cables in the Deep Sea Cable account (Account 2425). These cables are designed for use in deep sea water such as the Atlantic or Pacific Ocean. Include both local loop and interoffice facilities.

- (l) Sheath Kilometers of Metallic Deep Sea Cable - Sheath kilometers of deep sea cable with copper or other metallic conductors.
- (m) Sheath Kilometers of Fiber Deep Sea Cable - Sheath kilometers of deep sea cable with non-metallic fibers.

Intrabuilding Network Cable - Cables in the Intrabuilding Network Cable account (Account 2426). These cables are located on the carrier's side of the demarcation point or standard network interface inside subscribers' buildings or between buildings on one customer's same premises. Include both local loop and interoffice facilities.

- (n) Sheath Kilometers of Metallic Intrabuilding Network Cable - Sheath kilometers of intrabuilding network cable with copper or other metallic conductors.
- (o) Sheath Kilometers of Fiber Intrabuilding Network Cable - Sheath kilometers of intrabuilding network cable with non-metallic fibers.

Total Cable - All cables, including wire, coaxial cables, and fiber. Include both local loop and interoffice facilities.

- (p) Sheath Kilometers of Total Metallic Cable - Sheath kilometers of total cable with copper or other metallic conductors. This is the sum of columns (d), (f), (h), (j), (l) and (n).
- (q) Sheath Kilometers of Total Fiber Cable - Sheath kilometers of total cable with non-metallic fibers. This is the sum of columns (e), (g), (i), (k), (m) and (o).

Kilometers of Fiber in Cable - Fiber optic cables contain thin filaments of glass or other transparent material enclosed in a protective sheath through which light beams may be transmitted. Include both local loop and interoffice facilities.

- (r) Fiber Kilometers Equipped with Electronics (Lit) - The number of kilometers of fiber that are equipped by the reporting company with electronics and ready for analog or digital transmission use (not total sheath kilometers).
- (s) Total Fiber Kilometers Deployed (Lit and Dark) - Total deployed fiber measurement calculated as the sum of the products of the numbers of optical fibers in the sheath for

each cable times the associated sheath kilometers. Provide the total deployed fiber kilometers, not just the portion in service or equipped with carrier equipment.

- (t) Kilometers of Metallic Wire in Cable - The sum of the products of the numbers of copper or other metallic wires (pairs multiplied by 2) in each cable times the associated sheath kilometers. The wires must be capable of supporting telecommunications traffic (i.e., not defective). Do not include in this column any kilometers of tube in coaxial cable, which are reported instead in column (u). Include both local loop and interoffice facilities.
- (u) Equipped Kilometers of Tube in Coaxial Cable - The sum of the products of the numbers of tubes equipped with electronics in each cable times the associated coaxial sheath kilometers. Provide only the number of tube kilometers of coaxial equipped with electronics, not total sheath kilometers. Include both local loop and interoffice facilities.
- (v) Equivalent Number of Poles - The number of solely owned poles plus the sum of the products of the numbers of jointly owned poles times their ownership percentages. Where the ownership percentage is unknown, assume 50%. Do not include leased poles. Include poles used to support both local loop and interoffice facilities. Round to the nearest whole number.

Example:

<u>No. of Poles</u>	<u>% Ownership</u>	<u>Equivalent No. of Poles</u>
4	10%	0.4
8	30%	2.4
20	50%	<u>10.0</u>
		12.8 (rounded to 13)

Conduit System - Pipes in the Conduit Systems account (Account 2441). This includes conduit, whether underground, in tunnels or on bridges (which is reusable in place), through which cables are pulled. Include both local loop and interoffice facilities.

- (w) Trench Kilometers - Total length of the trenches that contain the ducts.
- (x) Duct Kilometers - The number of ducts times the trench kilometers.

TABLE I.B - OUTSIDE PLANT STATISTICS - OTHER

GENERAL INSTRUCTIONS

Table I.B requires the annual reporting of various outside plant statistics by state as of December 31 of the calendar year covered by the report. Report all solely owned plant and the respondent's proportionate interest in jointly owned plant.

To convert miles to kilometers, compute total miles, multiply by 1.6093 and then round to the nearest whole number. Internal calculations should retain, where applicable, at least 4 decimal places of accuracy; compute totals and then round to the nearest whole number before applying weighting factors. Round final results to the nearest whole number, but report any non-zero entry that is less than 1 kilometer as 1 kilometer.

Include footnotes in the Footnote Table liberally, especially where the reporting company perceives any ambiguities in the data provided, where procedures or internal sources associated with data preparation have changed (including data filed in compliance with revised definitions), or where required data are available only in part or on an estimated basis.

ROW INSTRUCTIONS

Each row represents a state, district or territory in which the reporting company has outside plant facilities. Include only those rows with data to be reported, but complete every item in those rows. Include a row for total company data, even if there is only one state row. See the State Row Numbers and Codes Reference Table for assigned row numbers and codes and for the correct order in which the rows shall appear.

COLUMN DESCRIPTIONS

Each column represents a category of outside plant. In columns (bc) through (bg) include local loop and interoffice radio facilities where applicable. In columns (bh) through (bj) include local loop cable and microwave facilities. In columns (bk) through (bm) include interoffice cable and microwave facilities.

COLUMN

- (ba) State or Territory - The name of one of the fifty U.S. states or one of the following: District of Columbia, Northern Mariana Islands, Puerto Rico, Virgin Islands, Ocean Cable, or Total.
- (bb) State or Territory Code - The two-letter Postal Abbreviation for the state or territory. Use "MC" for Northern Mariana Islands, "OC" for Ocean Cable and "TO" for Total Company.

Radio Relay System - Equipment that is used to transmit and receive radio waves (above 890 MHz) through space over which communications channels are provided. In columns (bc) through (bg) report the aggregate number of kilometers of system or channel, as appropriate, between the individual stations or radio-relay systems. Include both local loop and interoffice facilities where applicable. If your radio repeater or terminal location interfaces with a radio facility in another company, only include the distance from your facility to the border of your company. If two of your interconnected radio repeaters or terminal locations form a radio path that crosses the territory of another company, include the entire distance between the facilities.

- (bc) Kilometers of Terrestrial System - Total absolute distance between repeater sites making up microwave radio systems above 890 MHz. Do not include satellite systems in this total.

Kilometers of One-Way Radio Channel - Total kilometers of one-way radio channel above 890 MHz used for message, special services, video, or protection. A radio channel consists of a single one-way link using a microwave transmitter and receiver. The radio channel distance is the sum of the lengths of each one-way link associated with a transmitter-receiver pair. Where applicable, multiply the distance by 2 to account for two-way transmission.

- (bd) Kilometers of One-Way Terrestrial Radio Channel - Total km of one-way radio channel above 890 MHz used in terrestrial radio systems.
- (be) Terrestrial Kilometers of One-Way Satellite Radio Channel - Total terrestrial kilometers of one-way radio channel above 890 MHz used in satellite radio systems, calculated as the terrestrial distance between the receiver and transmitter terminal locations.

Kilometers of Telephone Channel - Number of equivalent analog or digital telephone circuit kilometers that are equipped and on radio systems above 890 MHz.

- (bf) Kilometers of Analog Telephone Channel (4 kHz or Equivalent) - Number of 4 kHz or equivalent analog telephone circuit kilometers that are equipped and on radio systems above 890 MHz. This value is the sum of the products of the number of equivalent analog circuits on each link times the length of the link.
- (bg) Kilometers of Digital Telephone Channel (64 kbps or Equivalent) - Number of 64 kbps or equivalent digital telephone circuit kilometers that are equipped and on radio systems above 890 MHz. This value is the sum of the products of the number of equivalent digital circuits on each link times the length of the link. In the case of radio systems carrying DS-1 channels for which DS-1 utilization is not known, calculate the sum of the products of the number of DS-1's on each link times the length of the link, round the result to the nearest whole kilometer, and multiply by 24.

Total Equipped Local Loop Circuit Kilometers (Cable and Microwave Systems) - Total equivalent voice-grade or video circuit kilometers in local loop plant. Include both cable and microwave facilities.

- (bh) Equipped Local Loop Analog (4 kHz or Equivalent) Circuit Kilometers - Includes analog baseband, lightguide (fiber) cables, open wire, paired cable (K, N1, N2, N3, N4, ON, ON/K), microwave radio (TL, TM, TD2, TD3), and other analog microwave in local loop plant. Report in equivalent 4 kHz circuit kilometers.
- (bi) Equipped Local Loop Digital (64 kbps or Equivalent) Circuit Kilometers - Includes digital baseband, lightguide (fiber) cables, digital carrier (T1, T1C, T1D, T2), and microwave radio (DR11-40, other digital microwave) in local loop plant. Report as equivalent 64 kbps circuit kilometers. This may be calculated by summing unrounded DS-1 kilometers, rounding the total to the nearest kilometer, and multiplying the result by 24.
- (bj) Equipped Local Loop Video Circuit Kilometers - Kilometers of derived video channel in local loop plant.

Total Equipped Interoffice Circuit Kilometers (Cable and Microwave Systems) - Total equivalent voice-grade or video circuit kilometers in interoffice plant. Include both cable and microwave facilities.

- (bk) Equipped Interoffice Analog (4 kHz or Equivalent) Circuit Kilometers - Includes analog baseband, lightguide (fiber) cables, open wire, paired cable (K, N1, N2, N3, N4, ON, ON/K), microwave radio (TL, TM, TD2, TD3), and other analog microwave in interoffice plant. Report in equivalent 4 kHz circuit kilometers.
- (bl) Equipped Interoffice Digital (64 kbps or Equivalent) Circuit Kilometers - Includes digital baseband, lightguide (fiber) cables, digital carrier (T1, T1C, T1D, T2), and microwave radio (DR11-40, other digital microwave) in interoffice plant. Report as equivalent 64 kbps circuit kilometers. This may be calculated by summing unrounded DS-1 kilometers, rounding the total to the nearest kilometer, and multiplying the result by 24.
- (bm) Equipped Interoffice Video Circuit Kilometers - Kilometers of derived video channel in interoffice plant.

TABLE II - SWITCHED ACCESS LINES IN SERVICE BY TECHNOLOGY

GENERAL INSTRUCTIONS

Table II requires the annual reporting of central office switches and switched access line statistics by state as of December 31 of the calendar year covered by the report.

Report in Table II only those access lines connecting end-user customers with their end offices for switched services. Access lines are classified as analog or digital based on the type of service provided. Include 800 and 800-like access lines and employee concession lines but do **NOT** include official/company circuits in the access line counts. **Provide a footnote if this has been done differently in the past.** Do not include in Table II circuits that provide access to an interexchange carrier. Do not include in Table II any special access lines, including the closed end of WATS and FX; all special access lines or lines associated with non-switched services should be included in Table III, column (dk) or (dl).

Include footnotes in the Footnote Table liberally, especially where the reporting company perceives any ambiguities in the data provided, where procedures or internal sources associated with data preparation have changed (including data filed in compliance with revised definitions), or where required data are available only in part or on an estimated basis.

ROW INSTRUCTIONS

Each row represents a state, district or territory in which the reporting company has switched access lines. Include only those rows with data to be reported, but complete every item in those rows. Include a row for total company data, even if there is only one state row. See the State Row Numbers and Codes Reference Table for assigned row numbers and codes and for the correct order in which the rows shall appear.

COLUMN DESCRIPTIONS

Each column represents a category of switched access lines, central office switches, or ISDN control channels.

COLUMN

- (ca) State or Territory - The name of one of the fifty U.S. states or one of the following: District of Columbia, Northern Mariana Islands, Puerto Rico, Virgin Islands, or Total.
- (cb) State or Territory Code - The two-letter Postal Abbreviation for the state or territory. Use "MC" for Northern Mariana Islands and "TO" for Total Company.

Analog Switched Access Lines (4 kHz or Equivalent) - Switched network access lines and equivalent 4 kHz analog access circuits or trunks. This will include access lines from a digital switch if the lines themselves are not terminated at the customer's premises as digital lines.

- (cc) Main Analog Access Lines (4 kHz or Equivalent) - Total analog switched network access lines excluding PBX Trunks, Centrex-CO lines, and Centrex-CU Trunks, Hotel/Motel LD Trunks, and Multi-Line Semi-Public Lines. Provide the number of analog 4 kHz or equivalent access lines connecting to single or multiline telephones.
- (cd) Analog PBX and Centrex Trunks (4 kHz or Equivalent) - Equivalent 4 kHz analog circuits or trunks between the central office and a customer location PBX or Centrex, including Centrex-CU Trunks, PBX Trunks, Hotel/Motel LD Trunks, and Multiline Semi-Public Lines. Service is provided by equipment located on customer-controlled space.
- (ce) Analog Centrex Extensions (4 kHz or Equivalent) - Equivalent 4 kHz analog circuits connecting a Centrex-CO on telephone company premises to station equipment on the customer's premises. Service is provided by equipment on telephone company owned or leased space. Note that if a digital Centrex provides service to analog station equipment, the extensions should be classified as analog and reported in this column.

Digital Switched Access Lines (64 kbps or Equivalent) - Switched network access lines and equivalent 64 kbps (or 56 kbps) digital access circuits or trunks. To be classified as digital, the access lines must be terminated at the customer end as digital lines or be available for use by the customer as digital lines. This will not include access lines from a digital switch if the lines themselves are not terminated at the customer's premises as digital lines.

- (cf) Main Digital Access Lines (64 kbps or Equivalent) - The 64 kbps or 56 kbps or ISDN B channels or other equivalent communications channels of digital subscriber lines as defined above that are circuit switched and can carry either voice or data. Do not include access lines connecting to a customer location PBX or Centrex.
- (cg) Digital PBX and Centrex Trunks (64 kbps or Equivalent) - The number of 64 kbps or equivalent digital lines terminated on a customer location PBX and/or Centrex. Include Centrex-CU lines.
- (ch) Digital Centrex Extensions (64 kbps or Equivalent) - The number of 64 kbps or equivalent digital circuits connecting a Centrex-CO on telephone company premises to station equipment on the customer's premises, including ISDN based Centrex-CO Lines. Service is provided by equipment on telephone company owned or leased space. Note that if Centrex provides service to analog station equipment, the extensions should be classified as analog and reported instead in column (ce).

- (ci) Other Switched Access Lines - Provide, in terms of equivalent 4 kHz analog circuits or equivalent 64 kbps digital circuits, the number of other switched access lines not included in columns (cc) through (ch). **Use a footnote to itemize the separate categories and amounts which are included here.**
- (cj) Total Switched Access Lines - The sum of columns (cc) through (ci). This shall equal the amount reported in Table III column (dj).

Central Office Switches - Assemblies of equipment and software designed to establish connections among lines and between lines and trunks, including access tandems, local, class 5 switching machines, and any associated remote switching machines. There may be more than one switch per central office or wire center. If more than one switch is housed in a single building or structure, be sure to count each switch separately. Do not separately count each three-digit telephone number prefix as a separate switch.

- (ck) Central Office Switches Excluding Remotes - The amount in column (cm) minus the amount in column (cl) for each row.
- (cl) Remote Switches - Generally described as a switch that has no connection to the facilities network except through its host switch. The host provides the processing capabilities and certain control functions for the remote under the direction of the host central processor and controls the remote over a pair of dedicated data links. Include not only those remote switches that are equipped to operate in a stand alone fashion to be able to provide more limited service, but also those that are not so equipped.
- (cm) Total Central Office Switches - The total number of local and tandem switches. Tandem switches are used to connect local switches with local switches in other central offices, including those tandems that are designed exclusively to establish connections between trunks. This column is consistent with Row 0110, Total Switching Entities, in Table I of FCC Report 43-07, the ARMIS Infrastructure Report.

ISDN Control Channels - The packet switched channels on digital subscriber lines (16 kbps for basic rate access or 64 kbps for primary rate access) that carry signaling messages and packet-switched user data. This information should be reported in terms of actual control channels rather than in 64 kbps equivalents (as was requested for 1988 through 1990) and should not be included in the total reported in column (cj). Where ISDN services are provided, use column (cn) and (co) to show the number of 16 kbps and 64 kbps control channels. **For similar services, provide the total number of control channels and indicate the types included in a footnote.**

- (cn) Basic Rate ISDN Control Channels - The number of basic rate (16 kbps) ISDN control channels. Also include the number of control channels for similar services with a data rate lower than 16 kbps, and **indicate the types included in a footnote.**

- (co) Primary Rate ISDN Control Channels - The number of primary rate (64 kbps) ISDN control channels. Also include the number of control channels for similar services with a data rate higher than 16 kbps, and **indicate the types included in a footnote.**

TABLE III - ACCESS LINES IN SERVICE BY CUSTOMER

GENERAL INSTRUCTIONS

Table III requires the annual reporting of switched and special access line statistics by state as of December 31 of the calendar year covered by the report.

Report in Table III columns (dc) through (dj) only those access lines connecting end-user customers with their end offices for switched services, i.e., all equivalent 4 kHz or 64 kbps access lines included in Table II columns (cc) through (cj). Report special access lines, including the closed end of WATS and FX, that provide access to an interexchange carrier in Table III column (dk) or column (dl).

Include 800 and 800-like access lines and employee concession lines but do **NOT** include official/company circuits in the access line counts. **Provide a footnote if this has been done differently in the past.** Analog access lines should be reported as 4 kHz equivalents. ISDN and other digital access lines should be reported as 64 kbps equivalents. A fully equipped DS-1 line, for example, corresponds to 24 64 kbps equivalents.

Include footnotes in the Footnote Table liberally, especially where the reporting company perceives any ambiguities in the data provided, where procedures or internal sources associated with data preparation have changed (including data filed in compliance with revised definitions), or where required data are available only in part or on an estimated basis.

ROW INSTRUCTIONS

Each row represents a state, district or territory in which the reporting company has access lines. Include only those rows with data to be reported, but complete every item in those rows. Include a row for total company data, even if there is only one state row. See the State Row Numbers and Codes Reference Table for assigned row numbers and codes and for the correct order in which the rows shall appear.

COLUMN DESCRIPTIONS

Each column represents a category of switched or special access lines.

COLUMN

- (da) State or Territory - The name of one of the fifty U.S. states or one of the following: District of Columbia, Northern Mariana Islands, Puerto Rico, Virgin Islands, or Total.
- (db) State or Territory Code - The two-letter Postal Abbreviation for the state or territory. Use "MC" for Northern Mariana Islands and "TO" for Total Company.

Business Access Lines - Total voice-grade equivalent analog or digital switched access lines to business customers.

- (dc) Analog Single Line Business Access Lines (4 kHz or Equiv.) - Includes single line business access lines subject to the single line business interstate end user common line charge, pursuant to § 69.104(h), excluding company official, mobile telephone/pagers and payphone lines. Payphone lines are to be reported in column (df) - Payphone lines. Do not include in this column any equivalent 64 kbps digital access lines reported in Table II. The ratio of single line business access lines to total business access lines, as calculated from the data reported in Table III (i.e., col. (dc) divided by the sum of cols. (dc), (dd), and (de)), should be consistent with the same ratio as calculated from the data reported in ARMIS Report 43-01, Table II.
- (dd) Analog Multiline Business Access Lines (4 kHz or Equiv.) - Include the total of analog multiline business access lines subject to the multiline business interstate end user common line charge including PBX trunks, Centrex-CU trunks, hotel/motel LD trunks and Centrex-CO lines. Payphone lines are to be reported in column (df) - Payphone Lines. Do not include in this column any equivalent 64 kbps digital access lines reported in Table II. The ratio of multiline business access lines to total business access lines, as calculated from the data reported in Table III, (i.e., the sum of cols. (dd) and (de) divided by the sum of cols. (dc), (dd), and (de)), should be consistent with the same ratio as calculated from the data reported in ARMIS Report 43-01, Table II.
- (de) Digital Business Access Lines (64 kbps or Equiv.) - Include in this column all equivalent 64 kbps digital business access lines as reported in Table II. Payphone lines are to be reported in column (df) - Payphone Lines.
- (df) Payphone Lines - Lines that provide payphone service, i.e., total coin (public and semi-public) lines, including customer owned pay telephones (COPT).

Residential Access Lines - Total equivalent analog or digital switched access lines to residential customers. The total residential access lines reported in columns (dg) and (dh) should be consistent with the total of the data reported for residence lifeline and non-lifeline access lines in the ARMIS Annual Summary Report (43-01), Table II, column (bb), row 2100 plus row 2110.

- (dg) Analog Residential Access Lines (4 kHz or Equiv.) - Total equivalent 4 kHz analog switched access lines to residential customers. Do not include in this column any equivalent 64 kbps digital access lines reported in Table II.
- (dh) Digital Residential Access Lines (64 kbps or Equiv.) - Include in this column all equivalent 64 kbps digital residential access lines as reported in Table II.

- (di) Mobile Access Lines - Access lines to a common carrier base station using mobile radio.
- (dj) Total Switched Access Lines - The sum of columns (dc) through (di). This shall equal the amount reported in Table II column (cj).

Special Access Lines (Non-Switched) - Total special access lines connecting an end user's premises to an interexchange carrier point of presence. Do not include local private lines provided by the local carrier which originate and terminate within the same LATA.

- (dk) Analog Special Access Lines (Non-Switched) (4 kHz or Equiv.) - The number of 4 kHz or equivalent analog special access lines.
- (dl) Digital Special Access Lines (Non-Switched) (64 kbps or Equiv.) - The number of 64 kbps or equivalent digital special access lines terminated at the customer location. Where DS-3 or DS-1 service is provided without individual 64 kbps circuit terminations, multiply the number of DS-3 terminations by 672 and the number of DS-1 terminations by 24 when calculating the value for this column. In the above calculation, only use those DS-1's and DS-3's for which the customer is billed. Do not double count 64 kbps circuits associated with DS-1 service where the 64 kbps circuits are customer-derived.
- (dm) Total Access Lines (Switched and Special) - The sum of columns (dj) through (dl).

TABLE IV - TELEPHONE CALLS

GENERAL INSTRUCTIONS

Table IV requires the annual reporting of telephone call statistics by state for the calendar year covered by the report. Round all amounts to the nearest thousand, but report any non-zero entry that is less than 1 (thousand) as 1 (thousand).

Toll call counts should be based on originating message volumes and should reflect completed calls. Where completed call data are unavailable, estimates may be reported (e.g., the numbers shown may be based on an actual count taken periodically during the year), but **indicate the methodology and source data used in a footnote**. Billed access minutes reflect originating and terminating access minutes billed to interexchange carriers, including call set-up time, holding time, and conversation time.

Include footnotes in the Footnote Table liberally, especially where the reporting company perceives any ambiguities in the data provided, where procedures or internal sources associated with data preparation have changed (including data filed in compliance with revised definitions), or where required data are available only in part or on an estimated basis.

ROW INSTRUCTIONS

Each row represents a state, district or territory in which the reporting company provides service. Include only those rows with data to be reported, but complete every item in those rows. If data are not available as to the location of all access lines by state, the data may be allocated according to the location of the central office toll center through which the calls originate. Include a row for total company data, even if there is only one state row. See the State Row Numbers and Codes Reference Table for assigned row numbers and codes and for the correct order in which the rows shall appear.

COLUMN DESCRIPTIONS

Each column represents a category of telephone calls or minutes.

COLUMN

- (ea) State or Territory - The name of one of the fifty U.S. states or one of the following: District of Columbia, Northern Mariana Islands, Puerto Rico, Virgin Islands, or Total.
- (eb) State or Territory Code - The two-letter Postal Abbreviation for the state or territory. Use "MC" for Northern Mariana Islands and "TO" for Total Company.

- (ec) Local Calls - The number of calls between points both of which are within the local service area of the calling telephone, or total calls minus total toll calls. Include local message unit calls and local extended area service (EAS) calls.

Toll Calls Completed - The number of completed calls directed to a point outside the local service area of the calling telephone. The number of toll calls reported should be based upon originating message volumes.

- (ed) IntraLATA Toll Calls Completed (Originating) - The number of completed toll calls carried by the reporting local operating company within a given Local Access and Transport Area (LATA). Include intraLATA-interstate and intraLATA-intrastate toll calls. Include outward calls, 800 service, directory service, dial-it services (e.g., 900 and 936 services), and optional calling plans, where applicable.

InterLATA Toll Calls Completed (Originating) - Completed calls directed to and carried by interexchange carriers.

- (ee) InterLATA-interstate Toll Calls Completed (Originating) - The number of completed interstate toll calls directed to and carried by interexchange carriers. Include outward calls, 800 service, directory service, dial-it services (e.g., 900 and 936 services), and optional calling plans. Calls should not be double counted at the originating and terminating ends.
- (ef) InterLATA-intrastate Toll Calls Completed (Originating) - The number of completed intrastate toll calls directed to and carried by interexchange carriers. Include outward calls, 800 service, directory service, dial-it services (e.g., 900 and 936 services), and optional calling plans. Calls should not be double counted at the originating and terminating ends.
- (eg) Total InterLATA Toll Calls Completed (Originating) - The sum of columns (ee) and (ef).

InterLATA Billed Access Minutes (Originating and Terminating) - The number of interLATA access minutes based on bills sent to interexchange carriers. Include total originating and terminating access minutes of use. Where these data are unavailable, a statistically valid calculation may be made based on other data. **Such a calculation must be footnoted with a description of the source data and methodology.**

- (eh) InterLATA-interstate Billed Access Minutes (Originating and Terminating) - The number of interLATA-interstate access minutes based on bills sent to interexchange carriers.

- (ei) InterLATA-intrastate Billed Access Minutes (Originating and Terminating) - The number of interLATA-intrastate access minutes based on bills sent to interexchange carriers.
- (ej) Total InterLATA Billed Access Minutes (Originating and Terminating) - The sum of columns (eh) and (ei).

CERTIFICATION

I certify that I am an officer of _____;
that I have examined the foregoing report and that to the best of my knowledge, information, and
belief, all statements of fact contained in this report are true and that said report is an accurate
statement of the affairs of the above named respondent in respect to the data set forth herein for
the period from _____ to _____.

PRINTED NAME

POSITION

SIGNATURE

DATE

(Persons making willful false statements in this report form can be punished by fine or imprisonment under the Communications Act, 47 U.S.C. 220(e).)

CONTACT PERSON

TELEPHONE NUMBER
