

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C.

DA 92-1696

In the Matter of)
)
Filing Requirements for Automated)
Reporting Management Information)
System (ARMIS))

ERRATUM

Adopted: December 18, 1992

By the Chief, Accounting and Audits Division:

1. On December 15, 1992, a Public Notice setting forth instructions and clarifications for filing of ARMIS reports was inadvertently released. Certain typographical and other corrections that should have been included prior to release of that document have been included in the attached corrected version. This attachment thus replaces that prior Public Notice.

FEDERAL COMMUNICATIONS COMMISSION

Kenneth P. Moran

Kenneth P. Moran
Chief, Accounting and Audits Division
Common Carrier Bureau



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET N.W.
WASHINGTON, D.C. 20554

30994

News media information 202/632-5050. Recorded listing of releases and texts 202/632-0002.

DA 92-1696
December 18, 1992

ARMIS FILING REQUIREMENTS

Recent ARMIS filings have revealed the need for clarification or emphasis of several Commission requirements for parties who report to the Commission, either under ARMIS or under other reporting procedures. We are issuing this Public Notice in order to assist all filing carriers in preparing correct and accurate filings.

1. 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.
2. Requests for waiver must be timely submitted. Requests received less than 72 hours prior to a filing date are prima facie unreasonable.
3. Carriers must obtain waivers to report ARMIS data in a manner that does not comply with Commission rules. Any data filed pursuant to waiver must be properly footnoted. Explanatory footnotes will decrease the number of requests for refilings and/or explanations of the data, thus saving time and money for both the carriers and the Commission. Instructions for entering footnotes in filings are found in the ARMIS Reporting Procedures and in the Automated and Paper Specifications for filing ARMIS data.
4. Where footnotes are required, those footnotes must be provided. For example, carriers filing Report 43-05, Table IVA, column (t), and entering code 15 ("other/unknown") must footnote this data entry pursuant to the instructions for populating column (t).
5. Rounding conventions for each specific ARMIS report must be followed when filing that report. For example, FCC Report 43-01 requires that access lines be reported in whole numbers, while FCC Report 43-04 requires that access lines be rounded to the nearest thousand. Observance of these rounding conventions will increase the reliability of data, and decrease the number of refilings needed.
6. 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.
7. ARMIS filings are certified by a company officer to be accurate and correct. This requirement of certification imposes a heavy burden on filing

carriers -- a burden that carriers must address by increasing the care with which they prepare and review data for filing in ARMIS. Carriers are also under a legal obligation to correct any erroneous data filed under ARMIS. This obligation is not limited to errors found by Commission staff, but extends to errors found by the filing parties themselves or by other users of the data.

8. All data corrections in ARMIS resubmissions must be referenced in the Erratum records, as illustrated in the various ARMIS Orders.

9. Attached are modified filing requirements for Reports 43-05, 43-06, and 43-07. Instructions that have been added or changed are shown in boldface. These modifications are effective as of the March 31 and April 1, 1993 filings.

10. Also attached are specifications for filing of switch downtime data, Report 43-05, Table IV.A, as specified in a Public Notice of July 7, 1992, 7 FCC Rcd 4632 (Com.Car.Bur. 1992).

Parties having questions about, or seeking clarification of, any of the contents of this Public Notice may contact Jane Frenette, Accounting & Audits Division, at tel. (202) 634-1861, fax (202) 632-0529.

-FCC-

ATTACHMENT

FCC Report 43-05 - Instructions

October 1992

Page 1 of 1

This document provides the instructions for FCC Report 43-05, the ARMIS Service Quality Report, which was adopted by the Commission in CC Docket No. 87-313. The instructions consist of the following sections, which are attached.

1. Reporting Procedures - details on the specific procedures to be followed when submitting this report to the Commission.
2. Report Definition - an illustration of the rows and columns to be reported and their definitions.
3. Automated Report Specifications - revisions to the detailed automated data processing (ADP) specifications for the automated report to be filed.

C. Data Entry Conventions

1. If an entry is to be a subtraction, indicate so by placing a minus sign in the column immediately preceding the numeric data, e.g. use -4, NOT - 4 or (4).
2. Begin each data record in column 1 and make each record the proper length as specified in the accompanying record layouts. Commas are used as delimiters between fields. All numeric fields are right justified and space filled, e.g. use 123, NOT 123. All non-numeric fields are enclosed in double quotation marks and are left justified and space filled within these quotation marks, e.g. use "John Doe".
3. Give each record a unique record number, beginning with 1001 and incrementing by one, with no numbers skipped.
4. Do NOT include "\$" or "%" or embedded commas in any numeric data fields, use the decimal point for percentage amounts.
5. In any numeric data field designated by N/A, enter -99999. If a "Public Version" diskette is filed, enter -88888 in any numeric data field for which data are "Withheld". Enter -77777 in any numeric data field which the reporting carrier designates as "Irretrievable". The reporting carrier must enter explanatory footnotes for all -77777 designated items. **DO NOT** override N/As. If a reporting carrier wishes to apply data to a field containing an N/A, the carrier should enter as a footnote to the field, the amount(s) and an explanation. These entries should be formatted according to the format rules for the particular data field; e.g., -99999 would be entered as -99999.00 in the percentage fields.
6. The date and time of the downtime reported on Table 4A, should be enclosed in double quotation marks and left justified, e.g., date entered as "mmddyy"; time using the 24 hour clock for carriers local time entered as "hhmm" (12:00 midnight entered as "2400")
7. Filing carriers are **NOT** permitted to enter additional designators. All fields must be populated. If the number in a certain field equals the mathematical quantity zero, the zero must be entered in that field.

D. Rounding Conventions

1. All percentage amounts must be entered in percent and rounded to two decimal places.
2. All minutes, days and average intervals (in hours) must be rounded to the nearest tenth.
3. All number of access lines must be rounded to the nearest thousand, with the exception of table IV.A which must be entered in whole numbers.
4. All number of orders, circuits, trouble reports, no trouble found, trunk groups, switches and complaints must be entered in whole numbers.
5. All other amounts must be rounded to the nearest thousand.

RECORD TYPE M1 -
OCCURRENCES OF TWO MINUTES OR MORE DURATION DOWNTIME DATA RECORD

<u>Field</u>	<u>Item</u>	<u>Example</u>	<u>Position</u>	<u>Description</u>
1	Record Number	1027	1-4	The sequential number of this record within this data file plus 1000. Format: right justified and space filled.
2	COSA	"LBIL"	6-11	The COSA code for the filing entity. Format: include quotation marks.
3	Record Type	"M1"	13-16	Always contains the letter M capitalized and the number 1 with no space between them. Format: include quotation marks.
4	Row Number	220.0	18-23	Valid range: 220.0 to 319.0. Format: right justified and space filled.
5	Column (t) data	"01" - OR - "0 "	25-28	This field contains the data corresponding to column (t) as shown on the attached list of codes for each condition that causes downtime. Format: left justified and space filled. All fields must be populated. If there are no data applicable to a field enter zero. Include quotation marks.
6	Column (u) data (spaces until pos. 60)	"ARABALXADSO" -OR- "0 "	30-42	This field contains the data corresponding to column (u) as shown on Pages 7-9 and 18 of the accompanying Report Definition. Format: left justified and space filled. All fields must be populated. If there are no data applicable to a field enter zero. Include quotation marks.
7	Column (v) data	2317	44-52	This field contains the data corresponding to column (v) as shown on Pages 7-9 and 18 of the accompanying Report Definition. DO NOT override designated N/As. Format: right justified and space filled. Enter -99999 in integer rows and -99999.0 in percentage rows where a field is designated by N/A. DO NOT use additional designators. All other fields must be populated. If there are no data applicable to an open field enter zero. Enter -88888 in integer rows and -88888.0 in percentage rows on the "public version" diskette to indicate that confidential treatment has been requested. Enter -77777 in integer rows and -77777.0 in percentage rows where data for a field are Irretrievable.

RECORD TYPE M1 -
OCCURRENCES OF TWO MINUTES OR MORE DURATION DOWNTIME DATA RECORD(cond't)

<u>Field</u>	<u>Item</u>	<u>Example</u>	<u>Position</u>	<u>Description</u>
8	Column (w) data	"Y" -OR- "N"	54-56	Column (w) data Always contains the letters Y or N capitalized. Format: If there is no data applicable to to this field enter zero. Include quotation marks.
9	Column (x) data	5.5	58-66	Column (x) data Format: see Field 7 above.
10	Column (xx) data	"mmdyy" -OR- "0 "	68-75	Column (xx) data Format: see Field 5 above
11	Column (yy) data	"hhmm" -OR- "0 "	77-82	Column (yy) data Use the 24 hour clock for carriers local time Format: see Field 5 above
12	End of Record Code	"XQ"	84-87	Always contains the letters XQ capitalized with no space between them to indicate the end of the record. Format: include quotation marks.

Note: All fields are separated by commas

Footnote records are needed if any data for the current period differ materially from that for the previous period or the corresponding period of the preceding year and the difference is not self-explanatory but was caused by unusual circumstances that have not been explained in a previous report, if the carrier does not follow the procedures described in the row/column instructions in the accompanying Report Definition, or if the filing carrier has a waiver, the data are lost, or the data cannot be produced at the time of the filing. Add one or more Type F3 records (after the remaining Type M1, G1 and C5 records) containing footnote text to explain the specific circumstances.

1 2 3 4 5 6 7 8

123456789012345678901234567890123456789012345678901234567890123456789012345678901234567

Sample records:

1027,"LBIL","M1", 220.0,"09","ARABALXADSO", 2317,"Y", 5.5,"092492","2400","XQ"

1028,"LBIL","M1", 221.0,"13","ANTNALMT23E", 1,"N", 89.0,"100492","1400","XQ"

1029,"LBIL","M1", 222.0,"0 ","0 ", 0,"0", 0.0,"0 ","0 ","XQ"

Approved by OMB

3060-0395

Expires 05/31/94

Estimated Burden Hours Per Response: 833 hours

SUMMARY

This document provides the Report Definition for FCC Report 43-05, the ARMIS Service Quality Report which must be provided quarterly by study area. It contains the following:

	<u>PAGE</u>
Table I - Installation Intervals Table	3
Table II - Repair Intervals and Trouble Reports Table	4
Table III - Trunk Blockage Table	5
Table IV - Total Switch Downtime Table	6
Table IV.A - Occurrences of Two Minutes or More Duration Down	7
Table V - Service Quality Complaints Table	10
Table I - Row Instructions	11
Table II - Row Instructions	12
Table III - Row Instructions	13
Table IV - Row Instructions	13
Table IV.A - Row Instructions	14
Table V - Row Instructions	14
Table I - Column Descriptions	16
Table II - Column Descriptions	16
Table III - Column Descriptions	17
Table IV - Column Descriptions	17
Table IV.A - Column Descriptions	18
Table V - Column Descriptions	19
Certification	21

All percentage amounts must be entered in percent and rounded to 2 decimal places. All minutes, **days and hours** must be rounded to the nearest tenth. Number of Access Lines must be rounded to the nearest thousand, **with the exception of Table IV.A**, which must be entered in whole numbers. All number of orders, circuits, trouble reports, no trouble found, trunk groups, switches, complaints, and incidents must be entered in whole numbers. All other amounts must be rounded to the nearest thousand.

All fields must be populated. If there are no data applicable to a field, enter zero in that field. See **Data Entry Convention, No. 5, in the Automated Report Specifications**. If a filing carrier has a waiver applicable to a certain field, enter zero in that field and footnote the reason for entering zero.

Do not include explanatory footnotes in the transmittal letter; such notes must be included in the Footnotes section of the filing.

NOTICE: The ARMIS Service Quality Report collects data designed to capture trends in service quality under price cap regulation and improves and standardizes existing reporting requirements for this purpose. The ARMIS Service Quality Report specifies information requirements in a consistent format and is essential to the FCC to monitor service quality under price cap regulation. Your response is mandatory.

Public reporting burden for this collection of information is estimated to average 833 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, D.C. 20554, and to the Office of Management and Budget, Office of Information and Regulatory Affairs, Washington, D.C. 20503.

COMPANY: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

xxxxxxxxxxxxx VERSION

STUDY AREA: xxxxxxxxxxxxxxxxxxxxxxxxxxxx

SUBMISSION x

PERIOD: From mmmn yyyy To mmmn yyyy

TABLE I

COSA: xxxx

TABLE I - INSTALLATION AND REPAIR INTERVALS
(Interexchange Access)

Row	Classification	Column		
		Switched Access	Special Access	
			High Speed	All Special
		Special Access	Access	
	(a)	(b)	(c)	

INSTALLATION INTERVALS:

0110	Total Number of Orders or Circuits		N/A	
0112	% Commitments Met		N/A	
0113	Average Missed Commitment		N/A	

REPAIR INTERVALS:

0120	Total Trouble Reports			
0121	Average Interval			

COMPANY: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
 STUDY AREA: xxxxxxxxxxxxxxxxxxxxxxxx
 PERIOD: From mmmn yyyy To mmmn yyyy
 COSA: xxxx

TABLE II - INSTALLATION AND REPAIR INTERVALS
 (Local Service)

Row	Classification	Column					
		Residence			Business		
		MSA	Non-MSA	Total	MSA	Non-MSA	Total
(d)	(e)	(f)	(g)	(h)	(i)	(j)	

INSTALLATION INTERVALS:

0130	Installation Orders							
0132	% Commitments Met							
0133	Avg Missed Commit							

REPAIR INTERVALS:

0140	Total Access Lines							
0141	Init Trouble Reports							
0142	Rep Trouble Reports							
0143	No Trouble Found							

COMPANY: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
 STUDY AREA: xxxxxxxxxxxxxxxxxxxxxxxxxxxx
 PERIOD: From mmmn yyyy To mmmn yyyy
 COSA: xxxx

TABLE III - TRUNK BLOCKAGE

Row	Classification	Column		
		Month 1	Month 2	Month 3
		(k)	(l)	(m)
0180	Total Trunk Groups			
0181	Groups Measured			
0182	Groups Exceed Threshold 3Mos			
0183	Groups Exceed Threshold 1 Mo			
0184	Groups Exceed Objectives 3Mos			

COMPANY: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
 STUDY AREA: xxxxxxxxxxxxxxxxxxxxxxxx
 PERIOD: From mmm yy To mmm yy
 COSA: xxxx

TABLE IV TOTAL SWITCH DOWNTIME

Row	Classification	Column					
		Total Number	No Switch	Total Switch	Incidents	Number	Percent
		Switches	Downtime	Downtime	Under 2	Unscheduled	Unscheduled
		(n)	(o)	(p)	(q)	(r)	(s)
0200	MSA						
0201	Non-MSA						
0210	Switches Under 1000 Lines						
0211	Switches 1000-4999 Lines						
0212	Switches 5000-9999 Lines						
0213	Switches 10000-19999 Lines						
0214	Switches Over 20,000 Lines						

ARMIS QUARTERLY SERVICE QUALITY REPORT

COMPANY: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

xxxxxxxxxxx VERSION

STUDY AREA: xxxxxxxxxxxxxxxxxxxxxxxxxxxx

SUBMISSION x

PERIOD: From mmmm yyyy To mmmm yyyy

TABLE IV.A

COSA: xxxx

TABLE IV.A - OCCURRENCES OF TWO MINUTES OR MORE DURATION DOWNTIME

Row	Cause	Switch by CLLI	Access Lines	MSA	Duration	Date	Time
	(t)	(u)	(v)	(w)	(x)	(xx)	(yy)
0220							
0221							
0222							
0223							
0224							
0225							
0226							
0227							
0228							
0229							
0230							
0231							
0232							
0233							
0234							
0235							
0236							
0337							
0238							
0239							
0240							
0241							
0242							
0243							
0244							
0245							
0246							
0247							
0248							
0249							
0250							
0251							
0252							
0253							
0254							

COMPANY: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
 STUDY AREA: xxxxxxxxxxxxxxxxxxxxxxxx
 PERIOD: From mmm yyyy To mmm yyyy
 COSA: xxxx

TABLE IV.A - OCCURRENCES OF TWO MINUTES OR MORE DURATION DOWNTIME

Row	Cause	Switch by CLLI	Access Lines	MSA	Duration	Date	Time
	(t)	(u)	(v)	(w)	(x)	(xx)	(yy)
0255							
0256							
0257							
0258							
0259							
0260							
0261							
0262							
0263							
0264							
0265							
0266							
0267							
0268							
0269							
0270							
02371							
0372							
0273							
0274							
0275							
0276							
0277							
0278							
0279							
0280							
0281							
0282							
0283							
0284							
0285							
0286							
0287							
0288							

COMPANY: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
 STUDY AREA: xxxxxxxxxxxxxxxxxxxxxxxx
 PERIOD: From mmmn yyyy To mmmn yyyy
 COSA: xxxx

TABLE IV.A - OCCURRENCES OF TWO MINUTES OR MORE DURATION DOWNTIME

Row	Cause	Switch by CLLI	Access Lines	MSA	Duration	Date	Time
	(t)	(u)	(v)	(w)	(x)	(xx)	(yy)
0289							
0290							
0291							
0292							
0293							
0294							
0295							
0296							
0297							
0298							
0299							
0300							
0301							
0302							
0303							
0304							
0305							
0306							
0307							
0308							
0309							
0310							
0311							
0312							
0313							
0314							
0315							
0316							
0317							
0318							
0319							

COMPANY: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
 STUDY AREA: xxxxxxxxxxxxxxxxxxxxxxxx
 PERIOD: From mmmn yyyy To mmmn yyyy
 COSA: xxxx

TABLE V - SERVICE QUALITY COMPLAINTS

Row	Classification	Column		
		Total	MSA	Non-MSA
		(y)	(z)	(aa)
0320	No Business Access Lines			
0321	Fed Complaints Bus Users			
0322	State Complaints Bus Users			
0330	No Residential Access Line			
0331	Fed Complaints Res Users			
0332	State Complaints Res Users			

Quarterly Service Quality Report

General Instructions

For the purposes of this report, the terms switch, switching entity and entity are used interchangeably. The terms access lines, lines and lines in service are also used interchangeably. Switch counts are updated quarterly and access line counts are updated annually, representing year end counts.

Row Instructions

Table I

Row 0110 - Total Number of Orders or Circuits - Enter the total number of installation orders or circuits from Interexchange carriers/customers for the current reporting period on this row. This amount excludes installation orders not completed by the commitment date because the customer was not prepared to receive service on that date. If circuits are entered instead of the number of installation orders, disclose this information in a footnote to this row. Enter in whole numbers.

Row 0112 - % Commitments Met - Enter the percentage of commitments met during the current reporting period on this row. This amount is calculated by dividing the number of installation orders or circuits from Interexchange carriers/customers completed by commitment date by the total number of installation orders or circuits (row 0110). NOTE: The commitment dates for various kinds of installations are published by the LECs and must be kept on file with the Commission. Commitment dates may be extended at the customer's request. Enter in percent, rounded to 2 decimal places.

Row 0113 - Average Missed Commitment - Enter the average interval, expressed in calendar days, between the commitment date and the day the service or order for Interexchange carriers/customers was completed, for all commitments not met during the current reporting period on this row. If a carrier is unable to report this amount in calendar days, business days may be entered and so footnoted. Round to the nearest tenth.

Row 0120 - Total Trouble Reports - Enter the total number of circuit specific trouble reports referred to the LEC by interexchange carriers/customers during the current reporting period. Enter in whole numbers.

Row 0121 - Average Interval - Enter the average interval, in hours to the nearest tenth, from the time of the reporting carrier's receipt of the trouble report to the time of acceptance by the complaining interexchange carrier/customer.

Table II

Row 0130 - Installation Orders - Enter the total number of installation orders, or circuits, for local service customers for the current reporting period. This amount excludes installation orders not completed by the commitment date because the customer was not prepared to receive service on that date. If circuits are entered instead of the number of installation orders, disclose this information in a footnote to this row. **Enter in whole numbers.**

Row 0132 - % Commitments Met - Enter the percentage of commitments met during the current reporting period on this row. This amount is calculated by dividing the number of installation orders completed by commitment date by the total number of installation orders (row 0130). **Enter in percent, rounded to 2 decimal places.**

Row 0133 - Average Missed Commitment - Enter the average interval, expressed in calendar days, between the commitment date and the day the service or order was completed, for all commitments not met during the current reporting period on this row. If a carrier is unable to report this amount in calendar days, business days may be entered and so footnoted. **Round to the nearest tenth.**

Row 0140 - Total Access Lines - Access lines include all classifications of local exchange telephone service including, but not limited to, individual lines, party line access, PBX access, Centrex access, Coin access, Foreign Exchange access and WATS access. Access lines, as defined herein, is a more inclusive term than billable access lines as defined in ARMIS 43-01 and 43-04 reports. See row instructions for rows 2090 through 2140 of the ARMIS 43-01 Report and row 9010 of the ARMIS 43-04 Report for the definition of billable access lines. **Round to the nearest thousand.**

Row 0141 - Initial Trouble Reports - Enter the number of trouble reports (complaints concerning service quality mad by customers or end users to LECs) received by the reporting carrier during the current reporting period. **Enter in whole numbers.**

Row 0142 - Repeat Trouble Reports - Enter the number of repeat trouble reports (complaints concerning service problems that recur, or remain unresolved, within thirty days of the initial trouble report) received by the reporting carrier during the current reporting period. **Enter in whole numbers.**

Row 0143 - No Trouble Found - No trouble found refers to a trouble report investigation which finds no discernible problem. Enter the number of investigations which found no problem during the current reporting period. **Enter in whole numbers.**

Table III

Row 0180 - Total Trunk Groups - Enter the total number of common trunk groups for which the reporting carrier is responsible. Common trunk groups are trunk groups between the LEC end office and the LEC access tandem that carry Feature Group B, C and D access traffic. IntraLATA traffic may also be carried on these groups. **Enter in whole numbers.**

Row 0181 - Groups Measured - Enter the number of common trunk groups measured during the current reporting period on this row. **Enter in whole numbers.**

Row 0182 - Groups Exceeding Servicing Threshold for Three Months - Enter the number of common trunk groups which have exceeded the reporting carrier's interstate access tariff measured blocking threshold for three or more consecutive months. Trunk group servicing thresholds have been discussed in the Interexchange Carriers Compatibility Forum (ICCF) and T1Q1 Industry Forum, and are included in tariffs kept on file with the Commission. Servicing thresholds are set to indicate that there is a statistical probability that blockage is exceeding the designed blocking objective whenever such thresholds are exceeded. Servicing thresholds are generally set at 2 percent blocking for equal access trunks, and at 3 percent blocking for non-equal access trunks. The reporting carrier must disclose its thresholds in a footnote to this row. The reporting carrier must also disclose changes in its thresholds, if any, in a footnote to this row. **Enter in whole numbers.**

Row 0183 - Groups Exceeding Servicing Threshold for One Month - Enter the number of common trunk groups which have exceeded the reporting carrier's interstate access tariff measured servicing threshold for the current month. **Enter in whole numbers.**

Row 0184 - Groups Exceeding Design Blocking Objectives for Three Months - Enter the number of common trunk groups which have exceeded equipment design blocking objectives for three or more consecutive months. Design blocking objectives range from 0.5 percent to 1.0 percent of traffic in the time-consistent busy hour of the busy season. Reporting carriers must specify their design blocking objectives in a footnote to this row. **Enter in whole numbers.**

Table IV

Row 0200 - MSA - This row represents all MSAs served within the study area. MSAs, or Metropolitan Statistical Areas, are designated by the Department of Commerce in a list released following each decadal census. An MSA includes at least one city with a minimum population of 50,000, or a Census Bureau defined urbanized area of at least 50,000 population located in an area with a minimum population of 100,000. See 45 Fed. Reg. 956 (1980). **Use the rounding conventions specified in the column instructions when entering these data.**

Row 0201 - Non-MSA - This row represents all areas in the study area which lie outside of any MSA. **Use the rounding conventions specified in the column instructions when entering these data.**

Row 0210 - Switches Under 1,000 Lines - Enter the number of switches, and associated data, serving fewer than 1,000 access lines. **Use the rounding conventions specified in the column instructions when entering these data.**

Row 0211 - Switches with 1,000 to 4,999 Lines - Enter the number of switches, and associated data, serving 1,000 to 4,999 access lines. **Use the rounding conventions specified in the column instructions when entering these data.**

Row 0212 - Switches with 5,000 to 9,999 Lines - Enter the number of switches, and associated data, serving 5,000 to 9,999 access lines. **Use the rounding conventions specified in the column instructions when entering these data.**

Row 0213 - Switches with 10,000 to 19,999 Lines - Enter the number of switches, and associated data, serving 10,000 to 19,999 access lines. **Use the rounding conventions specified in the column instructions when entering these data.**

Row 0214 - Switches with 20,000 and over Lines - Enter the number of switches, and associated data, serving 20,000 or more access lines. **Use the rounding conventions specified in the column instructions when entering these data.**

NOTE: The sum of rows 0200 and 0201 equal the sum of rows 0210 through 0214.

Table IV.A

Rows 220 through 319 - Each of these rows is provided for entry of one occurrence of switch downtime of two or more minutes in duration. For each occurrence use one row, entering the appropriate data in the columns provided. We have assumed that no carrier will have more than 100 occurrences in a reporting quarter. If such events exceed 100 occurrences, enter the appropriate data for the remaining occurrences in a footnote to row 319. **Include only those rows with data to be reported, but complete every item in those rows. Use the rounding conventions specified in the column instructions when entering these data.**

Table V

Service Quality Complaints - Service quality complaints are complaints pertaining to service quality filed with state or federal regulatory authorities. This term does not include complaints relating to billing, operator service providers, 900 or 976 services. **Enter in whole numbers.**

Row 0320 - Number of Business Access Lines - Enter the total number of business access lines as of December 31 of the previous calendar year (in thousands) in the study area on this row.

Row 0321 - Federal Complaints from Business Users - Federal complaints are complaints filed with this Commission. Enter the number of federal complaints filed by business users on this row. **Enter in whole numbers.**

Row 0322 - State Complaints from Business Users - State complaints are complaints filed with state regulatory agencies. Enter the number of state complaints filed by business users on this row. **Enter in whole numbers.**

Row 0330 - Number of Residential Access Lines - Enter the total number of residential access lines as of December 1 of the previous calendar year (in thousands) in the study area on this row.

Row 0331 - Federal Complaints from Residential Users - Enter the number of federal complaints filed by residential users on this row. Enter in whole numbers.

Row 0332 - State Complaints from Residential Users - Enter the number of state complaints filed by residential users on this row. Enter in whole numbers.

Service Quality Report

Column Descriptions

Table I

Column (a) - Switched Access - Circuit from the local exchange carrier (LEC) office to the interexchange carrier/customer Point of Presence (POP) for Feature Group B, C or D interstate service.

Special Access - Circuit from the LEC facilities to the interexchange carrier POP or customer premises for voice grade service, WATS/800, metallic and telegraph services, audio or video program services, wideband services, DDS, high capacity, DS1, DS3, and switched Feature Group A services.

Column (b) - High Speed Special Access - Circuit from the LEC facilities to the interexchange carrier POP or customer premises for DS1, DS2, DS3 and other similar digital services.

Column (c) - All Special Access - Enter all special access data, including those entered in column (b), in this column .

Table II

Residence - Columns (d), (e) and (f) represent residential customers placing installation orders or reporting trouble to the local exchange carrier during the current reporting period.

Column (d) - MSA - MSAs, or Metropolitan Statistical Areas, are designated by the Department of Commerce in a list following each decadal census. An MSA includes at least one city with a minimum population of 50,000 and its surrounding area, or a Census Bureau defined urbanized area of at least 50,000 population located in an area with a minimum population of 100,000. See 45 Fed. Reg. 956 (1980). This amount represents all residential customers located within MSAs in the study area served by the reporting carrier.

Column (e) - Non-MSA - This amount represents all residential customers located outside of all MSAs in the study area served by the reporting carrier.

Column (f) - Total - This amount represents all residential customers in the study area served by the reporting carrier (the sum of columns (d) and (e)).

Business - Columns (g), (h) and (i) represent local service business customers placing installation orders or reporting trouble to the local exchange carrier during the current reporting period.

Column (g) - MSA - See column (c) for the definition of MSA. This amount represents all local service business customers located within MSAs in the study area served by the reporting carrier.

Column (h) - Non-MSA - This amount represents all local service business customers located outside of all MSAs in the study area served by the reporting carrier.

Column (i) - Total - This amount represents all business customers in the study area served by the reporting carrier.

Column (j) - Total - Enter the sum of columns (f) and (i) in this column.

Table III

Column (k) - Month 1 - The first month of the current reporting quarter.

Column (l) - Month 2 - The second month of the current reporting quarter.

Column (m) - Month 3 - The third months of the current reporting quarter.

Table IV

Column (n) - Total Number of Switches - Switching entities (switches) are assemblies of equipment designed to establish connections between lines and trunks. Switching entities include local, class 5 switching machines and any associated remotes; e.g., a host end office and its three associated remotes will be reported as four switching entities. Switching entities designed exclusively for access tandem, class 4, or operator services are not reported here. There may be more than one switching entity per central office or wire center. Enter in whole numbers.

Column (o) - Number of Switches Having Downtime - This column represents the number of switches that experienced downtime during the current reporting period. Enter in whole numbers.

Column (p) - Total Switch Downtime - Switch downtime occurs when call processing capability for an end office is lost. Report all downtime, in cumulative minutes to the nearest tenth, in this column.

Column (q) - Incidents Under Two Minutes - This amount represents the number of incidents of downtime under two minutes in duration. Enter in whole numbers.

Column (r) - Number Unscheduled - This amount represents the number of incidents of switch downtime under two minutes in duration that were not scheduled for routine maintenance or network upgrades. Scheduled downtime refers to those times when a switch is taken down at a predetermined time so that it may be upgraded. Such downtimes usually occur during non-busy hours. Enter in whole numbers.

Column (s) - Percent Unscheduled - This amount represents the percent of downtime that is not scheduled for routine maintenance or network upgrades. (The ratio of column (r) to column (q), in percent). Enter in percent, rounded to 2 decimal places.

Table IV.A

Column (t) - Cause - This column is five spaces wide (2 digits followed by three spaces) Each condition that causes downtime is entered here as one of the following two digit-codes:

- 01 - scheduled - includes outages, restarts, phases, etc. resulting from scheduled or planned manula initializations. This includes such activities as parameter loads, software/firmware changes, and other OA&M activities.
- 02 - procedural errors - telco - installation or maintenance related
- 03 - procedural errors - telco - non installation or maintenance related (deviation from established procedures, or human error within established procedures; includes failure to respond)
- 04 - procedural errors - system vendors - includes errors in documentation/instruction
- 05 - procedural errors - other vendors - e.g., contractor, independent installation vendor
- 06 - software design - faulty or ineffective design, including faulty patches or software overrides provided by vendor
- 07 - hardware design - design deficiency or error. Does not include Product Change Notice (PCN) inappropriately delayed by vendor (=procedural error vendor) or telco (=procedural error telco), or PCN waived by telco (=procedural error telco)
- 08 - hardware failure - random hardware failure not related to design but due to inherent unreliability of system components.
- 09 - acts of God - weather, natural disaster (including lightning, but not if lightning's effect due to bonding or grounding violations; then = procedural error vendor or telco)
- 10 - traffic overload - traffic load exceeds engineered capacity of system due to unforseen external condition; not if due to system trouble, inadequate engineering, inadequate network management, system design deficiency
- 11 - environmental - contamination, leaks, temperature, etc.

12 - external power failure - use of this classification is rare because of existences of battery and other backup systems; does not include failures of converters, inverters internal to telco

13 - massive line outage - cable cut, other

14 - remote - loss of facilities between host and remote (if due to activities internal to host or remote; if external, assign other cause as appropriate-- e.g., cable dig-up = procedural telco or procedural other vendor)

15 - other/unknown - must be footnoted; if unknown, so state

Thus a carrier noting an unscheduled outage due to an external power failure would report simply "12". Footnotes should be used to give further details when necessary.

Column (u) - Switch by CLLI - See description for column (k), Table IV. Enter the eight digit CLLI (Common Language Location Identifier) code which identifies the switch that experienced downtime of two minutes or more, to the nearest tenth, in duration. Enter data for only one outage incident on a row.

Column (v) - Access Lines - The number of working network access lines served by the switch. Enter in whole numbers.

Column (w) - MSA - See Table II, column (c) for the definition of MSA. Enter Y if the incident involved a downed switch that lies within an MSA in the study area served. Enter N if the incident involved a downed switch outside of all MSAs in the study area served.

Column (x) - Duration - Enter the duration of the outage in minutes, to the nearest tenth, in this column.

Column (xx) - Date - Enter the date of the outage in this column using the format mmddy.

Column (yy) - Time - Enter the time of the outage in this column using format hhmm for a 24 hour clock (e.g., midnight = 2400; noontime = 1200; 6:30 p.m. = 1830, etc.)

Table V

Column (y) - Total - Enter the appropriate total study area amounts for rows 0320, 0321, 0322, 0330, 0331 and 0332 in this column. The amount in this column equals the sum of columns (z) and (aa).

Column (z) - MSA - See Table II, column (d) for the definition of MSA. Enter the appropriate MSA amounts for rows 0320, 0321, 0322, 0330, 0331 and 0332 in this column .

Column (aa) - Non-MSA - Enter the appropriate non-MSA amounts for rows 0320, 0321, 0322, 0330, 0331 and 0332 in this column.

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 _____

A. Introduction

This document contains details on the specific procedures to be followed when submitting FCC Report 43-05, the ARMIS Service Quality Report, to the Commission.

B. General Information

1. FCC Report 43-05 was adopted by the Commission in the LEC Price Cap Order, Policy and Rules Concerning Rates for Dominant Carriers, Second Report and Order, CC Docket No. 87-313, 5 FCC Rcd 6786, 6827-30 (1990). This report is prescribed for every local exchange carrier for whom price cap regulation is mandatory and for every local exchange carrier that elects to be covered by the price cap rules.
2. Affected carriers shall file by March 31, June 30, September 30, and December 31 of each year the report for the previous calendar quarter.
3. The report shall be filed on a study area (Jurisdiction) basis.
4. 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 43-05, which identifies the filing as the ARMIS Service Quality Report. The period identifies the year and quarter 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 confidential, Public or unrestricted. The submission number is defined as follows: Submission 0 is for test data purposes only. Submission 1 is the first submission of a quarter's data. Higher numbers (2, 3, etc.) **must** be used **when filing successive revisions to correct that quarter's submission. All corrective submissions must be filed in both paper and diskette with the Accounting and Audits Division, the Industry Analysis Division and Downtown Copy Center.**
5. All correspondence and pleadings shall identify the proceeding as CC Docket No. 87-313.

Where to file

1. Carriers submitting FCC Report 43-05 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 both the paper report and the automated report (diskette) on the FCC's contractor for public records duplication, Downtown Copy Center at 1114 21st Street, N.W., Washington, D.C. 20036 or Room 246 at FCC Headquarters, 1919 M Street., N.W., Washington, D.C. 20036.

NUMBER OF COPIES

	Trans- mittal Letter	Paper Report	Automated Report (diskette)
FCC Secretary Room 222 1919 M Street, N.W. Washington, D.C. 20554	1	-	-
FCC Common Carrier Bureau Accounting & Audits Division Room 812 2000 L Street, N.W. Washington D.C., 20554	1	1	1
FCC Common Carrier Bureau Industry Analysis Division Room 538 1919 M Street, N.W. Washington, D.C. 20554	1	1	1
Downtown Copy Center Room 246 1919 M Street, N.W. Washington, D.C. 20036	1	1	1

D. Footnotes

1. If any data for the current period differs materially from that for the previous period or the corresponding period of the preceding year and the difference is not self-explanatory but was caused by unusual circumstances, then include footnote text to explain the specific circumstances.
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.
3. Do not include explanatory footnotes in the transmittal letter. The footnote text must be included in the Footnote Text Records and the Footnote Table as specified in the Automated Report Specifications.

E. Errata

1. Carriers are under a legal obligation to correct any erroneous data discovered in FCC Report 43-05. Submissions containing corrected data must include references to indicate which data items were corrected since the previous submission.

2. Those reference must be included in the Erratum Records and the Erratum Table as specified in the Automated Report Specifications.

F. Certification

1. Carriers must certify the accuracy of the data submitted in FCC Report 43-05 by including a signed certification statement as the last page of the paper report.
2. The text of the certification statement is included on page 21 of 21 in the attached report definition

G. Waivers

1. If a carrier determines that it will be unable to provide data required by FCC Report 43-05, 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. 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.

H. Public Information

1. The paper reports filed as Report 43-05 may be examined by the public from 9:00 to 11:00 a.m. and from 2:00 to 4:00 p.m., Monday through Friday, in Room 812, 2000 L Street, N.W., Washington, D.C.
2. Copies of the paper or automated reports filed as Report 43-05 may be contained from the FCC's contractor for public records duplication, Downtown Copy Center at (202) 452-1422.

For further information regarding these procedures, contact:

Barbara Van Hagen
FCC Common Carrier Bureau
Accounting & Audits Division
(202) 634-1861

This document provides the instructions for FCC Report 43-06, the ARMIS Semi-Annual Service Quality Report, which was adopted in CC Docket No. 87-313. The instructions consist of the following sections, which are attached.

1. Reporting Procedures - details on the specific procedures to be followed when submitting this report to the Commission.
2. Report Definition - an illustration of the rows and columns to be reported and their definitions.

A. Introduction

This document contains details on the specific procedures to be followed when submitting FCC Report 43-06, the ARMIS Semi-Annual Service Quality Report, to the Commission.

B. General Information

1. FCC Report 43-06 was adopted by the Commission in the LEC Price Cap Order, Policy and Rules Concerning Rates for Dominant Carriers, Second Report and Order, CC Docket No. 87-313, 5 FCC Rcd 6786, 6827-39 (1990). This report is prescribed for every local exchange carrier for whom price cap regulation is mandatory.
2. Affected carriers shall file by March 31 and September 30 of each year, the report for the previous calendar half.
3. The report shall be filed on a study area (Jurisdiction) basis.
4. 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 43-06, which identified the filing as ARMIS Semi-Annual Service Quality Report. The period identifies the (CO - Company, SA - Study Area) for a list of companies and their respective COSAs. The version refers to whether the filing is confidential, public or unrestricted. The submission number is defined as follows: Submission 0 is for test data purposes only. Submission 1 is the first submission of a half's data. Higher numbers (2, 3, etc.) must be used when filing successive revisions to correct that half's submission. All corrective submissions must be filed in both paper and diskette, with the Accounting and Audits Division, the Industry Analysis Division and Downtown Copy Center.
5. All correspondence and pleadings shall identify the proceeding as CC Docket No. 87-313.

C. Where to File

1. Carriers submitting FCC Report 43-06 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 both the paper report and the automated report (diskette) on the FCC's contractor for public records duplication, Downtown Copy Center at 1114 21st Street, N.W., Washington, D.C. 20036 or Room 246 at FCC Headquarters, 1919 M St., N.W., Washington, D.C. 20036.

NUMBER OF COPIES

	Trans- mittal Letter	Paper Report	Automated Report (diskette)
FCC Secretary Room 222 1919 M Street, N.W. Washington D.C., 20554	1	-	-
FCC Common Carrier Bureau Accounting & Audits Division Room 812 2000 L Street, N.W. Washington, D.C. 20554	1	1	1
FCC Common Carrier Bureau Industry Analysis Division Room 538 1919 M Street, N.W. Washington, D.C. 20554	1	1	1
Downtown Copy Center Room 246 1919 M Street Washington, D.C. 20036	1	1	1

D. Footnotes

1. If any data for the current period differs materially from that for the previous period or the corresponding period of the preceding year and the difference is not self-explanatory but was caused by unusual circumstances, then include footnote text to explain the specific circumstances.
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 by the Commission's Rules. This provision should not be interpreted to mean that deviations from the prescribed rules will automatically be approved by the Commission.
3. Do not include explanatory footnotes in the transmittal letter. The footnote text must be included in the Footnote Text Records and the Footnote Table as specified in the Automated Report Specifications.

E. Errata

1. Carriers are under a legal obligation to correct any erroneous data discovered in FCC Report 43-06. Submissions containing corrected data must include references to indicate which data items were corrected since the previous submission.
2. Those reference must be included in the Erratum Records and the Erratum Table as specified in the Automated Report Specifications.

F. Certification

1. Carriers must certify the accuracy of the data submitted in FCC Report 43-06 by including a signed certification statement as the last page of the report.
2. The text of the certification statement is included on page 6 of 6 in the attached report definition.

G. Waivers

1. If a carrier determines that it will be unable to provide data required by FCC Report 43-06, 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. 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.

H. Public Information

1. The paper reports filed as Report 43-06 may be examined by the public from 9:00 to 11:00 a.m. and from 2:00 to 4:00 p.m., Monday through Friday, in Room 812, 2000 L Street, N.W., Washington, D.C.
2. Copies of the paper or automated reports filed as Report 43-06 may be obtained from the FCC's contractor for Public records duplication, Downtown Copy Center at (202) 452-1422.

For further information regarding these procedures, contact:

Barabara Van Hagen
FCC Common Carrier Bureau
Accounting & Audits Division
(202) 634-1861

SUMMARY

This document provides the Report Definition for FCC Report 43-06, the ARMIS Semi-Annual Service Quality Report which must be provided semi-annually by study area. It contains the following:

	<u>PAGE</u>
Table II - Dial Tone Response and Transmission Quality	2
Table II - Row Instructions	3
Table II - Column Instructions	5
Certification	6

All percentage amounts must be entered in percent and rounded to 2 decimal places. **All monetary figures must be rounded to the nearest thousand dollars. All number of offices and objective delay (in seconds) must be entered in whole numbers.**

All fields must be populated. If there are no data applicable to a field, enter zero in that field. **See Data Entry Convention, No. 5, in the Automated Report Specifications.**

Do not include explanatory footnotes in the transmittal letter; such notes must be included in the Footnotes section of the filing.

NOTICE: The ARMIS Semi-Annual Service Quality Report collects data designed to capture trends in service quality under price cap regulation and improves and standardizes existing reporting requirements for this purpose. The ARMIS Semi-Annual Service Quality Report specifies information requirements in a consistent format and is essential to the FCC to monitor service quality under price cap regulation.

This report is prescribed for every mandatory price cap local exchange carrier and is not subject to the clearance procedures of 44 USC 3507 pursuant to the less than ten rule. Send comments regarding any aspect of this collection of information, including suggestions for reducing the burden to the Federal Communications Commission, Office of Managing Director, Washington, D.C. 30554, and to the Office of Management and Budget, Office of Information and Regulatory Affairs, Washington, D.C., 20503.

FCC Report 43-06

ARMIS SEMIANNUAL SERVICE QUALITY REPORT

COMPANY: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
STUDY AREA: xxxxxxxxxxxxxxxxxxxxxxxxxxxx
PERIOD: From mmmn yyyy To mmmn yyyy
COSA: xxxx

xxxxxxxxxxx VERSION
SUBMISSION x
TABLE II

TABLE II - DIAL TONE RESPONSE AND TRANSMISSION QUALITY

Table with 2 columns: ROW, COLUMN. Row 1: TOTAL STUDY AREA. Row 2: (a)

PERCENT OF OFFICES PERFORMING AT OR ABOVE DIAL TONE SPEED OBJECTIVE LEVEL;

Table with 2 columns: ROW, COLUMN. Rows: 0200|Percent of Offices at or Above Objective, 0210|Number of Offices Measured, 0220|Objective Delay, 0230|Objective Percent of Calls for Each Office

PERCENT OF OFFICES MEETING ALL TRANSMISSION OBJECTIVES:

Table with 2 columns: ROW, COLUMN. Rows: 0240|Percent of Offices Meeting Loss Objectives, 0241|Percent Offices Meeting C-Message Objectives, 0242|Percent of Offices Meeting Balance Objectives, 0243|Percent Offices Meeting Gain Slope Objectives, 0244|Percent of Offices Meeting C-Notch Objectives

PERCENT OF TRUNKS MEETING ALL TRANSMISSION OBJECTIVES:

Table with 2 columns: ROW, COLUMN. Rows: 0250|Percent of Trunks Meeting Loss Objectives, 0251|Percent of Trunks Meeting Noise Objectives, 0252|Percent of Trunks Meeting Balance Objectives, 0253|Percent Trunks Meeting Gain Slope Objectives, 0254|Percent of Trunks Meeting C-Notch Objectives

Semi-Annual Service Quality Report

General Instructions

Table I of this report is not standardized and is not, therefore, required to be filed in the ARMIS format. Table I will continue to be filed with the Industry Analysis Division using the same procedures that have been used in the past for filing the Semi-Annual Service Quality Report. Table II of this report is standardized and is required to be filed under ARMIS.

Row Instructions

Table II

Row 0200 through 0230 measure the ability of the switching equipment to provide dial tone for an originating call attempt within a specified period of time. The results of the test measurement are reflected in these rows as the percentage of dial tone offices which give dial tone within three seconds of lifting the telephone instrument. The measured performance is derived from call attempt samples taken during the central office busy hours. An office is considered to pass the performance test if a specified number of test calls receive dial tone within the three second criterion.

Row 0200 - Percent Sample at Objective Level - Enter the number of offices passing the measurement standard divided by the number of offices measured. **Enter in whole numbers.**

0210 - Number of Offices Measure - Enter the number of offices tested for dial tone speed. **Enter in whole numbers.**

Row 0220 - Objective Delay - Enter the maximum number of seconds for receiving dial tone (usually three seconds). **Enter in whole numbers.**

Row 0230 - Objective Percent of Calls for Each Office - Enter the percentage of call attempts sampled which must receive dial ton within the time specified (see row 0220) for an office to pass the measurement standard. **Enter in percent rounded to 2 decimal places.**

Row 0240 - Percent of Offices Meeting Loss Objectives - Enter the percentage of offices passing tests for signal attenuation or loss. **Enter in percent rounded to 2 decimal places.**

Row 0241 - Percent of Offices Meeting C-Message Objectives - Enter the percentage of offices passing tests for noise over the audible spectrum weighted in a manner consistent with human hearing. **Enter in percent rounded to 2 decimal places.**

Row 0242 - Percent of Offices Meeting Balance Objectives - Enter the percentage of offices passing tests for balance which determines the amount of echo heard by the subscriber. **Enter in percent rounded to 2 decimal places.**

Row 0243 - Percent of Offices Passing Gain Slope Objectives - Enter the percentage of offices passing tests for gain slope which is a measure of distortion. Enter in percent rounded to 2 decimal places.

Row 0244 - Percent of Offices Meeting C-Notch Objectives - Enter the percentage of offices passing tests for noise in specified portions of the signal bandwidth. Enter in percent rounded to 2 decimal places.

Row 0250 - Percent of Trunks Meeting Loss Objectives - Enter the percentage of trunks which must pass the loss test and the technical requirement for an office to pass (maintenance limit). Enter in percent rounded to 2 decimal places.

Row 0251 - Percent of Trunks Meeting Noise Objectives - Enter the percentage of trunks which must pass the noise test and the technical requirement for an office to pass (maintenance limit). Enter in percent rounded to 2 decimal places.

Row 0252 - Percent of Trunks Meeting Balance Objectives - Enter the percentage of trunks which must pass the balance test and the technical requirement for an office to pass (maintenance limit). Enter in percent rounded to 2 decimal places.

Row 0253 - Percent of Trunks Meeting Gain Slope Objective - Enter the percentage of trunks which must pass the gain slope test and the technical requirement for an office to pass (maintenance limit). Enter in percent rounded to 2 decimal places.

Row 0254 - Percent of Trunks Meeting C-Notch Objectives - Enter the percentage of trunks which must pass the C-notch test and the technical requirement for an office to pass (maintenance limit). Enter in percent rounded to 2 decimal places.

Semi-Annual Service Quality Report

Column Descriptions

Table II

Column (a) - Total Study Area - This column represents the total study area. A study area usually consists of a telephone company's service territory in a given state, although telephone companies occasionally have more than one study area in a particular state.

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 _____

This document provides the instructions for FCC Report 43-07, the ARMIS Infrastructure Report, which was adopted by the Commission in CC Docket No. 87-313. The instructions consist of the following sections, which are attached.

1. Reporting Procedures - details on the specific procedures to be followed when submitting this report to the Commission.
2. Report Definition - an illustration of the rows and columns to be reported and their definitions.

A. Introduction

This document contains details on the specific procedures to be followed when submitting FCC Report 43-07, the ARMIS Infrastructure Report, to the Commission.

B. General Information

1. FCC Report 43-07 was adopted by the Commission in the LEC Price Cap Order, Policy and Rules Concerning Rates for Dominant Carriers, Second Report and Order, CC Docket No. 87-313, 5 FCC Rcd 6786, 6827-30 (1990). This report is prescribed for every mandatory price cap local exchange carrier. This report is not subject to the clearance procedures of 44 USC 3507 because there are less than ten respondents.
2. Affected carriers shall file by June 30 of each year for the previous calendar year.
3. The report shall be filed on a study area (Jurisdiction) basis.
4. 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 43-07, which identifies the filing as the ARMIS Infrastructure 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 confidential, public or unrestricted. The submission number is defined as follows: Submission 0 is for test data purposes only. Submission 1 is the first submission of a quarter's data. Higher numbers (2, 3, etc.) **must** be used **when filing** successive revision to correct that quarter's submission. **All corrective submissions must be filed, in both paper and diskette, with the Accounting and Audits Division, the Industry Analysis Division, and Downtown Copy Center.**
5. All correspondence and pleadings shall identify the proceeding as CC Docket No. 87-313.

Where to file

1. Carriers submitting FCC Report 43-07 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 both the paper report and the automated report (diskette) on the FCC's contractor for public records duplication, Downtown Copy Center at 1114 21st Street, N.W., Washington, D.C. 20036 or delivered to Downtown Copy Center in Room 246 at FCC Headquarters, 1919 M Street, N.W., Washington, D.C. 20036.

NUMBER OF COPIES

	Trans- mittal Letter	Paper Report	Automated Report (diskette)
FCC Secretary Room 222 1919 M Street, N.W. Washington, D.C. 20554	1	-	-
FCC Common Carrier Bureau Accounting & Audits Division Room 812 2000 L Street, N.W. Washington D.C., 20554	1	1	1
FCC Common Carrier Bureau Industry Analysis Division Room 538 1919 M Street, N.W. Washington, D.C. 20554	1	1	1
Downtown Copy Center Room 246 1919 M Street, N.W. Washington, D.C. 20036	1	1	1

D. Footnotes

1. If any data for the current period differs materially from that for the previous period or the corresponding period of the preceding year and the difference is not self-explanatory but was caused by unusual circumstances, then include footnote text to explain the specific circumstances.

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
3. Do not include explanatory footnotes in the transmittal letter. The footnote text must be included in the Footnote Text Records and the Footnote Table as specified in the Automated Report Specifications.

E. Errata

1. Carriers are under a legal obligation to correct any erroneous data discovered in FCC Report 43-07. Submission containing corrected data must include references to indicate which data items were corrected since the previous submission.
2. Those reference must be included in the Erratum Records and the Erratum Table as specified in the Automated Report Specifications.

F. Certification

1. Carriers must certify the accuracy of the data submitted in FCC Report 43-07 by including a signed certification statement as the last page of the paper report.
2. The text of the certification statement is included on page 21 of 21 in the attached report definition.

G. Waivers

1. If a carrier determines that it will be unable to provide data required by FCC Report 43-07, 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 or detail and indicate how these deficiencies will be corrected.

H. Public Information

1. The paper reports filed as Report 43-07 may be examined by the public from 9:00 to 11:00 a.m. and from 2:00 to 4:00 p.m., Monday through Friday, in Room 812, 2000 L Street, N.W., Washington, D.C.
2. Copies of the paper or automated reports filed as Report 43-07 may be obtained from the FCC's contractor for public records duplication, Downtown Copy Center at (202) 452-1422.

For further information regarding these procedures, contact:

Barbara Van Hagen
FCC Common Carrier Bureau
Accounting & Audits Division
(202) 634-1861

SUMMARY

This document provides the Report Definition for FCC Report 43-07, the ARMIS Infrastructure Report which must be provided annually by study area. It contains the following:

	<u>PAGE</u>
Table I - Switching Equipment Table	2
Table II - Transmission Facilities Table	4
Table III - LEC Call Set-Up Time Table	6
Table IV - Additions and Book Costs Table	7
Table I - Row Instructions	8
Table II - Row Instructions	14
Table III - Row Instructions	17
Table IV - Row Instructions	18
Table I - Column Descriptions	19
Table II - Column Descriptions	19
Table III - Column Descriptions	19
Table IV - Column Descriptions	20
Certification	21

All percentage amounts must be entered in percent and rounded to 2 decimal places. All kilometers must be rounded to 1 decimal place. All monetary figures must be rounded to the nearest thousand dollars. All access lines must be rounded to the nearest thousand with the exception of access line gain which must be entered in whole numbers. All switches, tandems, host remotes, interfaces, circuit lines, carrier links, terminations, channels, copper pairs, and fiber strands must be entered in whole numbers.

All fields must be populated. If there are no data applicable to a field, enter zero in that field. See Data Entry Convention, No. 5, in the Automated Report Specifications.

Do not include explanatory footnotes in the transmittal letter; such notes must be included in the Footnotes section of the filing.

NOTICE: The ARMIS Infrastructure Report collects data designed to capture trends in telephone industry infrastructure development under price cap regulation and improves and standardizes existing reporting requirements for this purpose. The ARMIS Infrastructure Report specifies information requirements in a consistent format and is essential to the FCC to monitor service quality under price cap regulation. Your response is mandatory.

This report is prescribed for every mandatory price cap local exchange carrier and is not subject to the clearance procedures of 44 USC 3507 pursuant to the less than ten rule. Send comments regarding any aspect of this collection of information, including suggestions for reducing the burden, to the Federal Communications Commission, Office of Managing Director, Washington, D.C., 20554, and to the Office of Management and Budget, Office of Information and Regulatory Affairs, Washington D.C., 20503.

FCC Report 43-07

ARMIS INFRASTRUCTURE REPORT

COMPANY: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
 STUDY AREA: xxxxxxxxxxxxxxxxxxxxxxxx
 PERIOD: From mmmm yyyy To mmmm yyyy
 COSA: xxxx

xxxxxxxxxxxxx VERS
 SUBMISSION X
 TABLE I

TABLE I - SWITCHING EQUIPMENT

ROW	COLUMN		
	TOTAL STUDY AREA	WITHIN MSA	NON-MSA
	(a)	(b)	(c)

SWITCHING ENTITIES/LINES IN SERVICE:

0110	Total Switching Entities		N/A	N/A
0111	Local Switches			
0112	Tandems		N/A	N/A
0113	Hosts			
0114	Remotes (Stand Alone Only)			

0120 Total Number Access Lines in Service

TYPE OF SWITCH:

0130	Total E/M Switches		N/A	N/A
0131	Percent Total Switches		N/A	N/A
0132	E/M Local Switches			
0133	Percent Local Switches			
0134	E/M Tandems		N/A	N/A
0135	Percent Total Tandems		N/A	N/A

0140 E/M Lines Served

0141 Percent Total Lines

0150	Total ASPC Switches		N/A	N/A
0151	Percent Total Switches		N/A	N/A
0152	ASPC Local Switches			
0153	Percent Local Switches			
0154	ASPC Tandems		N/A	N/A
0155	Percent Total Tandems		N/A	N/A

0160 ASPC Lines Served

0161 Percent Total Lines

0170	Total DSPC Switches		N/A	N/A
0171	Percent Total Switches		N/A	N/A
0172	DSPC Local Switches			
0173	Percent Local Switches			
0174	DSPC Tandems		N/A	N/A
0175	Percent Total Tandems		N/A	N/A

0180 DSPC Lines Served

0181 Percent Total Lines

SWITCHING CAPABILITY:

0190	Switches Equipped for Equal Access		N/A	N/A
0191	Percent Total Switches		N/A	N/A

FCC Report 43-07

ARMIS INFRASTRUCTURE REPORT

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 PERIOD: From mmmm yyyy To mmmm yyyy
 COSA: xxxx

xxxxxxxxxxxxx VERSION
 SUBMISSION X
 TABLE I

TABLE I - SWITCHING EQUIPMENT

ROW	COLUMN		
	TOTAL STUDY AREA	WITHIN MSA	NON-MSA
	(a)	(b)	(c)
0200	Access Lines with Equal Access		
0201	Percent Total Lines		
0210	Touch-Tone Capable Switches		
0211	Percent Total Switches		
0220	Access Lines with Touch-Tone Capability		
0221	Percent Total Lines		
0230	Total Switches Equipped with SS7-394	N/A	N/A
0231	Percent Total Switches	N/A	N/A
0232	Lines with Access to SS7-394		
0233	Percent Total Access Lines		
0234	Total Switches Equipped with SS7-317	N/A	N/A
0235	Percent Total Switches	N/A	N/A
0236	Lines with Access to SS7-317		
0237	Percent Total Access Lines		
0240	Local Switches Equipped with SS7-394		
0241	Percent Total Local Switches		
0246	Local Switches Equipped with SS7-317		
0247	Percent Total Local Switches		
0250	Tandems Equipped with SS7-394	N/A	N/A
0251	Percent Total Tandems	N/A	N/A
0256	Tandems Equipped with SS7-317	N/A	N/A
0257	Percent Total Tandems	N/A	N/A
0270	Total Switches Equipped with ISDN	N/A	N/A
0271	Percent Total Switches	N/A	N/A
0280	Local Switches Equipped with ISDN		
0281	Percent Total Local Switches		
0290	Tandems Equipped with ISDN	N/A	N/A
0291	Percent Total Tandems	N/A	N/A
0300	Lines with Potential Access to ISDN		
0301	Percent Total Lines		
0311	Basic Rate ISDN (BRI) Interfaces Equipped		
0312	Primary Rate ISDN (PRI) Interfaces Equipped		

FCC Report 43-07

ARMIS INFRASTRUCTURE REPORT

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 STUDY AREA: xxxxxxxxxxxxxxxxxxxxxxxx
 PERIOD: From mmmn yyyy To mmmn yyyy
 COSA: xxxx

xxxxxxxxxxxxx VERSION
 SUBMISSION X
 TABLE II

TABLE II - TRANSMISSION FACILITIES

ROW	COLUMN
	TOTAL STUDY AREA
	(d)

SHEATH KILOMETERS:

0320	Total Sheath Kilometers	
0321	Copper	
0322	Fiber	
0323	Other	

INTEROFFICE WORKING FACILITIES:

0330	Total Circuit Links	
0331	Baseband	
0332	Analog CXR	
0333	Digital CXR	

0350	Analog Carrier Links	
0351	Copper	
0352	Radio	

0360	Digital Carrier Links	
0361	Copper	
0362	Radio	
0363	Fiber	

LOOP PLANT - CENTRAL OFFICE TERMINATIONS:

0370	Total Working Channels	
0380	Copper	
0381	Baseband	
0382	Analog CXR	
0383	Digital CXR	

0390	Fiber Digital CXR	
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0410	Other	
------	-------	--

FCC Report 43-07

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xxxxxxxxxxxxx VERSION
 SUBMISSION X
 TABLE II

TABLE II - TRANSMISSION FACILITIES

ROW	COLUMN
	TOTAL STUDY AREA
	(d)
0420	Total Equipped Channels
0430	Copper
0431	Baseband
0432	Analog CXR
0433	Digital CXR
0440	Fiber Digital CXR
0460	Other

OTHER TRANSMISSION FACILITY DATA:

0470	Copper Prs Term Main Frame (Loop Plant Only)
0480	Fiber Strands Term in the CO (Loop Plant Only)
0481	Fiber Term at Customer Premises DSO Rate
0482	Fiber Term at Customer Premises DS1 Rate
0483	Fiber Term at Customer Premises DS2 Rate
0484	Fiber Term at Cust Prem DS3 Rate and higher

FCC Report 43-07

ARMIS INFRASTRUCTURE REPORT

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xxxxxxxxxxxxx VERSION
 SUBMISSION X
 TABLE III

TABLE III - LEC CALL SET-UP TIME

Row	Classification	Column				
		Average Call Set-Up Time				
		Direct		Via Access Tandem		
End Offices	SS7-394	MF	SS7-394	MF	Mixed	
(e)	(f)	(g)	(h)	(i)	(j)	

TIME:

0510	Total					
0511	End Offices/EMs					
0512	End Offices/SPC Analogs					
0513	End Offices/Digitals					

PERCENT:

0520	Total Access Lines					
0521	Access Lines/EMs					
0522	Access Lines SPC/Analog					
0523	Access Lines/Digitals					

FCC Report 43-07

ARMIS INFRASTRUCTURE REPORT

COMPANY: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
STUDY AREA: xxxxxxxxxxxxxxxxxxxxxxxxxxxx
PERIOD: From mmmn yyyy To mmmn yyyy
COSA: xxxx

xxxxxxxxxxx VERSION
SUBMISSION X
TABLE IV

TABLE IV - ADDITIONS AND BOOK COSTS

ROW	COLUMN
	TOTAL STUDY AREA
	(k)
0530	Total Access Lines in Service
0531	Access Line Gain
0540	Total Gross Capital Expenditures

Infrastructure Report

General Instructions

For the purposes of this report, the terms switch, switching entity and entity are used interchangeably. The terms access lines, lines and lines in service are also used interchangeably.

Row Instructions

Table I

Switching Entities - Switching entities are assemblies of equipment designed to establish connections between lines and trunks. Switching entities include access tandems, local, class 5 switching machines and any associated remotes; e.g., a host end office and its three associated remotes will be reported as four switching entities. There may be more than one switching entity per central office or wire center. Switching entities designed exclusively for operator services are not reported here. **Enter in whole numbers.**

Lines in Service - Access lines include all classifications of local exchange telephone service including, but not limited to, individual lines, party line access, PBX access, Centrex access, Coin access, Foreign Exchange access and WATS access. Access lines, as defined herein, is a more inclusive term than billable access lines, as defined in the ARMIS 43-01 and 43-04 reports. See row instructions for rows 2090 through 2140 of the ARMIS 43-01 report and for 9010 of the ARMIS 43-04 report for the definition of billable access lines. **Round to the nearest thousand.**

Row 0110 - Total Switching Entities - Enter the total number of local and access tandem switching entities on this row. **Remotes to be included in the total switching entities count are those described in the general definition of remote.¹** A remote switching entity can generally be described as a switching entity that has no connection to the facilities network except through one other (host) switching entity that shares the processing capabilities of another switching system for certain control functions under the direction of the host central processor, and that can be controlled remotely by the host over a pair of dedicated data links. This amount is equal to the sum of rows 0130, 0150 and 0170. Tandem switching entities are used to connect local switching entities with local switching entities in other central offices. This report includes those tandems that are designed exclusively to establish connections between trunks. Since some switches are used for both local and access tandem switching, the sum of rows 0110 and 0112 may be greater than the amounts entered on this row. For example, if there are 6 local switches, 4 tandem switches and 5 switches that are used for both local and tandem switching, row 0111 would equal 11 local switches, row 0112 would equal 9 switches, and row 0110 would equal 14 switches. In this case, the sum of rows

¹See, 7 FCC Red 3590 (Com. Car. Bur. 1992).

0111 and 0112 (20) would be greater than the amount of total switching entities (15). Since we are asking only for the number of remotes with stand alone capability, the total of rows 0113 and 0114 will be less than the amounts entered on this row. For example, if there are 16 total switching entities, and there are 3 hosts and 7 remotes that have stand alone capability, the sum of rows 0113 and 0114 (10) would be less than the amount of total switching entities (16). **Enter in whole numbers.**

Row 0111 - Local Switches - Enter the total number of switches used as local switches on this row. This amount is equal to the sum of rows 132, 152 and 172. **Enter in whole numbers.**

Row 0112 - Access Tandems - Enter the total number of switches with access tandem capability on this row. This amount is equal to the sum of rows 134, 154 and 174. **Enter in whole numbers.**

Row 0113 - Hosts - A host is a switch serving one or more remotes. **Enter in whole numbers.**

Row 0114 - Remotes (Stand Alone Only) - A remote switching entity can generally be described as a switching entity that has no connection to the facilities network except through one other (host) switching entity, that shares the processing capabilities of another switching system for certain control functions under the direction of the host central processor, and that can be controlled remotely by the host over a pair of dedicated data links. All types of remote switches are included with the switching entity counts. However, row 0114 excludes separate reporting of remotes that are incapable of providing stand alone operation when the host switch fails. Only those remote switching entities that are equipped to operate in a stand alone fashion (*i.e.*, able to operate when the host fails, or the data links to the host fail) to be able to provide more limited service, are to be reported on row 0114. Remote entities that are not within this description should not be included on this row. **Enter in whole numbers.**

Row 0120 - Total Number Access Lines In Service - Enter the total number of access lines in service on this row. This amount is equal to the sum of rows 0140, 0160 and 0180. **Round to the nearest thousand.**

Type of Switch - Types of switches include Electro-Mechanical (E/M), *e.g.*, Step-by-Step and Crossbar; Analog Stored Program Controlled (ASPC); and Digital Stored Program Controlled (DSPC).

Row 0130 - Total E/M Switches - Enter the total number of local and tandem Electro-Mechanical switches on this row. Since some switches are used for both local and tandem switching, the sum of rows 132 and 134 may be greater than the amounts entered on this row (see example, row 0110). **Enter in whole numbers.**

Row 0131 - Percent Total Switches - Enter the ratio of Electro-Mechanical switches to total switches, in percent (row 130 divided by row 110). **Round to 2 decimal places.**

Row 0132 - E/M Local Switches - Enter the total number of Electro-Mechanical switches used as local switches on this row. Enter in whole numbers.

Row 0133 - Percent Local Switches - Enter the ratio of Electro-Mechanical local switches to total local switches, in percent (row 0132 divided by row 0111). Round to 2 decimal places.

Row 0134 - E/M Tandems - Enter the total number of Electro-Mechanical switches with tandem capability on this row. Enter in whole numbers.

Row 0135 - Percent Total Tandems - Enter the ratio of Electro-Mechanical tandems to total tandems, in percent (row 0134 divided by 0112). Round to 2 decimal places.

Row 140 - E/M Lines Served - Enter the number of lines served by Electro-Mechanical switches. Round to the nearest thousand.

Row 0141 - Percent Total Lines - Enter the ratio of lines served by Electro-Mechanical switches to total lines in service, in percent (row 0140 divided by row 0120). Round to 2 decimal places.

Row 0150 - Total ASPC Switches - Enter the total number of local and tandem Analog Stored Program Controlled switches. Since some switches are used for both local and tandem switching, the sum of rows 152 and 154 may be greater than the amounts entered on this row (see example, row 0110). Enter in whole numbers.

Row 0151 - Percent Total Switches - Enter the ratio of Analog Stored Program Controlled switches to total switches, in percent (row 0150 divided by row 0110). Round to 2 decimal places.

Row 0152 - ASPC Local Switches - Enter the total number of Analog Stored Program Controlled switches used as local switches on this row. Enter in whole numbers.

Row 0153 - Percent Local Switches - Enter the ratio of Analog Stored Program Controlled switches to total local switches, in percent (row 0152 divided by row 0111). Round to 2 decimal places.

Row 0154 - ASPC Tandems - Enter the total number of Analog Stored Program Controlled switches with tandem capability on this row. Enter in whole numbers.

Row 0155 - Percent Total Tandems - Enter the ratio of Analog Stored Program Controlled tandems to total tandems, in percent (row 0154 divided by row 0112). Round to 2 decimal places.

Row 0160 - ASPC Lines Served - Enter the number of lines served by Analog Stored Program Controlled switches. Round to the nearest thousand.

Row 0161 - Percent Total Lines - Enter the ratio of lines served by Analog Stored Program Controlled switches to total lines in service, in percent (row 160 divided by row 0120). **Round to 2 decimal places.**

Row 0170 - Total DSPC Switches - Enter the total number of local and tandem Digital Stored Program Controlled switches. Since some switches are used for both local and tandem switching, the sum of rows 172 and 174 may be greater than the amounts entered on this row (see example, row 0110). **Enter in whole numbers.**

Row 0171 - Percent Total Switches - Enter the ratio of Digital Stored Program Controlled switches to total switches, in percent (row 0170 divided by row 0110). **Round to 2 decimal places.**

Row 0172 - DSPC Local Switches - Enter the total number of Digital Stored Program Controlled switches used as local switches on this row. **Enter in whole numbers.**

Row 0173 - Percent Local Switches - Enter the ratio of Digital Stored Program Controlled local switches to total local switches, in percent (row 0172 divided by row 0111). **Round to 2 decimal places.**

Row 0174 - DSPC Tandems - Enter the total number of Digital Stored Program Controlled switches with tandem capability on this row. **Enter in whole numbers.**

Row 175 - Percent Total Tandems - Enter the ratio of Digital Stored Program Controlled tandems total tandems, in percent (row 0174 divided by row 0112). **Round to 2 decimal places.**

Row 0180 - DSPC Lines Served - Enter the number of lines served by Digital Stored Program Controlled switches. **Round to the nearest thousand.**

Row 0181 - Percent Total Lines - Enter the ratio of lines served by Digital Stored Program Controlled switches to total lines in service, in percent (row 0180 divided by row 0120). **Round to 2 decimal places.**

Row 0190 - Switches Equipped for Equal Access - Enter the number of switching entities equipped for equal access, Feature Group D service. **Enter in whole numbers.**

Row 0191 - Percent Total Switches - Enter the ratio of switches equipped for equal access to total switches, in percent (row 0190 divided by row 0110). **Round to 2 decimal places.**

Row 0200 - Access Lines with Equal Access - Enter the number of access lines served by switches equipped for equal access. **Round to the nearest thousand.**

Row 0201 - Percent Total Lines - Enter the ratio of lines served by switches equipped for equal access to total lines in service, in percent (row 0200 divided by row 0120). **Round to 2 decimal places.**

Row 0210 - Touch-Tone Capable Switches - Enter the number of switching entities equipped for Touch-Tone. **Enter in whole numbers.**

Row 0211 - Percent Total Switches - Enter the ratio of switches equipped for Touch-Tone to total switches, in percent (row 0210 divided by row 0111). **Round to 2 decimal places.**

Row 0220 - Access Lines with Touch-Tone Capability - Enter the number of access lines served by switches equipped for Touch-Tone. **Round to the nearest thousand.**

Row 0221 - Percent Total Lines - Enter the ratio of access lines served by switches equipped for Touch-Tone to total access lines, in percent (row 0220 divided by row 0120). **Round to 2 decimal places.**

Row 0230 - Total Switches Equipped with SS7-394 - Enter the total number of local and tandem switches equipped with SS7-394. **Enter in whole numbers.**

Row 0231 - Percent Total Switches - Enter the ratio of switches equipped with SS7-394 to total switches, in percent (row 0230 divided by row 0110). **Round to 2 decimal places.**

Row 0232 - Lines with Access to SS7-304 - Enter the number of lines in service that are served by switches equipped with SS7-394. **Round to the nearest thousand.**

Row 0233 - Percent Total Access Lines - Enter the ratio of lines with access to SS7-394 to total access lines, in percent (row 0232 divided by row 0120). **Round to 2 decimal places.**

Row 0234 - Total Switches Equipped with SS7-317 - Enter the total number of switches equipped with SS7-317 on this row. **Enter in whole numbers.**

Row 0235 - Percent Total Switches - Enter the ratio of switches equipped with SS7-317 to total switches, in percent (row 0234 divided by row 0110). **Round to 2 decimal places.**

Row 0236 - Lines with Access to SS7-317 - Enter the number of lines in service with access to SS7-317. **Round to the nearest thousand.**

Row 0237 - Percent Total Access Lines - Enter the ratio of access lines with SS7-317 to total access lines, in percent (row 0236 divided by row 0120). **Round to 2 decimal places.**

Row 0240 - Local Switches Equipped with SS7-394 - Enter the number of switches used as local switches that are equipped with SS7-394. **Enter in whole numbers.**

Row 0241 - Percent Total Local Switches - Enter the ratio of local switches equipped with SS7-394 to total local switches, in percent (row 0240 divided by row 0111). **Round to 2 decimal places.**

Row 0246 - Local Switches with SS7-317 - Enter the total number of local switches equipped with SS7-317. **Enter in whole numbers.**

Row 0247 - Percent Total Local Switches - Enter the ratio of local switches equipped with SS7-317 to total local switches, in percent (row 0246 divided by row 0111). **Round to 2 decimal places.**

Row 0250 - Tandems Equipped with SS7-394 - Enter the total number of switches with tandem capability that are equipped with SS7-394. **Enter in whole numbers.**

Row 0251 - Percent Total Tandems - Enter the ratio of tandem switches equipped with SS7-394 to total tandems, in percent (row 0250 divided by row 0112). **Round to 2 decimal places.**

Row 0256 - Tandems Equipped with SS7-317 - Enter the total number of switches with tandem capability that are equipped with SS7-317. **Enter in whole numbers.**

Row 0257 - Percent Total Tandems - Enter the ratio of tandem switches equipped with SS7-317 to total tandems, in percent (row 0256 divided by row 0112). **Round to 2 decimal places.**

Row 0270 - Total Switches Equipped with ISDN - Enter the total number of local and tandem switches that are equipped with ISDN. Since some switches are used for both local and tandem switching, the sum of rows 0280 and 0290 may be greater than the amounts entered on this row (see example, row 0110). **Enter in whole numbers.**

Row 0271 - Percent Total Switches - Enter the ratio of switches equipped with ISDN to total switches, in percent (row 0270 divided by row 0110). **Round to 2 decimal places.**

Row 0280 - Local Switches Equipped with ISDN - Enter the number of switches used as local switches that are equipped with ISDN. **Enter in whole numbers.**

Row 0281 - Percent Total Local Switches - Enter the ratio of local switches equipped with ISDN to total local switches, in percent (row 0280 divided by row 0111). **Round to 2 decimal places.**

Row 0290 - Tandems Equipped with ISDN - Enter the number of switches with tandem capability on this row. **Enter in whole numbers.**

Row 0291 - Percent Total Tandems - Enter the ratio of tandems equipped with ISDN to total tandems, in percent (row 0290 divided by row 0112). **Round to 2 decimal places.**

Row 0300 - Lines with Potential Access to ISDN - Enter the number of lines served by switches equipped with ISDN. **Round to the nearest thousand.**

Row 0301 - Percent Total Lines - Enter the ratio of lines in service with access to ISDN to total lines in service, in percent (row 0300 divided by row 0120). **Round to 2 decimal places.**

Row 0311 - Basic Rate ISDN (BRI) Interfaces Equipped - Basic rate ISDN consists of two Bearer Channels at 64 Kilobits/second and one Delta Channel at 16 kilobits/second. Quantities reflected are the number of (2B+D) BRI interfaces equipped. This amount represents actual interfaces equipped with ISDN. **Enter in whole numbers.**

Row 0312 - Primary Rate ISDN (PRI) Interfaces Equipped - Equivalent primary rate ISDN interfaces are generally configured as 23 Bearer Channels and one Delta Channel all at 64 kilobits/second. Quantities reflected are the number of equivalent PRI (23B+D) ISDN interfaces equipped, excluding interoffice PRI ISDN interfaces. This amount represents actual interfaces equipped with ISDN. **Enter in whole numbers.**

Table II

Row 0320 - Total Sheath Kilometers - Sheath kilometers include loop, interoffice and toll sheath kilometers. **Round to 1 decimal place.**

Row 0321 - Copper - Enter the number of sheath kilometers of twisted pair copper cable on this row. **Round to 1 decimal place.**

Row 0322 - Fiber - Enter the number of sheath kilometers of fiber on this row. **Round to 1 decimal place.**

Row 0323 - Other - Enter the number of sheath kilometers of aluminum, coaxial, and all other sheath kilometers not included in rows 0321 or 0322, on this row. **Round to 1 decimal place.**

Row 0330 - Total Circuit Links - A circuit link is that link that exists between points A and B where voice frequency/DSO cross-connects and/or analog/digital conversion (collectively referenced here as conversion) occurs. Circuit links are counted as follows: If there is a circuit between A and B with no intermediate conversions, count one circuit link for each voice frequency equivalent channel. If there is a circuit between A and B with one intermediate conversion, count two circuit links for each voice frequency equivalent channel. Similarly, two intermediate conversions between A and B would result in three circuit links per voice equivalent channel. **Enter in whole numbers.**

Row 0331 - Baseband - Enter the number of baseband circuit links on this row. **Enter in whole numbers.**

Row 0332 - Analog CXR - Enter the number of analog CXR circuit links, converted to voice frequency equivalents, on this row. **Enter in whole numbers.**

Row 0333 - Digital CXR - Enter the number of digital CXR circuit links, converted to voice grade equivalents, on this row. **Enter in whole numbers.**

Carrier Links - A Carrier Technology Segment (carrier link) is defined as a segment of the interoffice network disaggregated by technology (i.e., analog, digital); and by medium (i.e., copper, fiber, or radio). Each segment between central offices or other interoffice network nodes is defined as a unique carrier technology segment. For these purposes, a central office is an interoffice network node. Other interoffice network nodes are defined as any points in the interoffice network where a cross-connect occurs, or where a change in technology or medium occurs. Counts are on an analog group or DS1 equivalent basis.

Row 0350 - Analog Carrier Links - Enter the number of analog carrier links on this row. **Enter in whole numbers.**

Row 0351 - Copper - Enter the number of copper analog carrier links on this row. **Enter in whole numbers.**

Row 0352 - Radio - Enter the number of radio analog carrier links on this row. **Enter in whole numbers.**

Row 0360 - Digital Carrier Links - Enter the number of digital carrier links on this row. **Enter in whole numbers.**

Row 0361 - Copper - Enter the number of copper digital carrier links on this row. **Enter in whole numbers.**

Row 0362 - Radio - Enter the number of radio digital carrier links on this row. **Enter in whole numbers.**

Row 0363 - Fiber - Enter the number of fiber digital carrier links on this row. **Enter in whole numbers.**

LOOP PLANT - CENTRAL OFFICE TERMINATIONS - These facilities are from the central office to the end users. Local loop includes analog type services only. It excludes ISDN.

Row 0370 - Total Working Channels - Working Channels are on a 4 kHz bandwidth (single voice channel) basis. Working channels originating from a remote switch are treated the same as if the channels originated in the host central office. All reports of working channels are counted on this 4 kHz basis for purposes of this report. This amount equals the sum of rows 0380, 0390 and 0410. **Enter in whole numbers.**

Row 0380 - Total Copper - Enter the number of copper working channels on this row. This amount equals the sum of rows 0381, 0382 and 0383. **Enter in whole numbers.**

Row 0381 - Baseband - Enter the number of analog copper working channels, converted to voice frequency equivalents, on this row. **Enter in whole numbers.**

Row 0382 - Analog - Enter the number of analog copper working channels, converted to voice frequency equivalents, on this row. **Enter in whole numbers.**

Row 0383 - Digital - Enter the number of digital copper working channels, converted to voice frequency equivalents, on this row. **Enter in whole numbers.**

Row 390 - Fiber Digital CXR - Enter the number of fiber digital CXR working channels, converted to voice frequency equivalents, on this row. **Enter in whole numbers.**

Row 0410 - Other - Enter the number of other working channels on this row. Explain the data entered here in a footnote. **Enter in whole numbers.**

Row 0420 - Total Equipped Channels - Equipped channels are on a 4 kHz bandwidth (single voice channel) basis. Equipped channels originating from a remote switch are treated the same as if the channels originated in the host central office. This amount equals the sum of rows 0430, 0440 and 0460. **Enter in whole numbers.**

Row 0430 - Copper - Enter the number of copper equipped channels on this row. This amount equals the sum of rows 0431, 0432 and 0433. **Enter in whole numbers.**

Row 0431 - Baseband - Enter the number of baseband copper equipped channels in **whole numbers** on this row.

Row 0432 - Analog CXR - Enter the number of analog CXR copper equipped channels in **whole numbers** on this row.

Row 0433 - Digital CXR - Enter the number of digital CXR copper equipped channels in **whole numbers** on this row.

Row 0440 - Fiber Digital CXR - Enter the number of fiber digital CXR equipped channels in **whole numbers** on this row.

Row 0460 - Other - Enter the number of other equipped channels in **whole numbers** on this row. Explain the data entered here in a footnote.

Row 0470 - Copper Pairs Terminated at the Main Frame (Loop Plant Only) - Enter the number of copper pairs terminated at the main frame in **whole numbers**.

Row 0480 - Fiber Strands Terminated in the Central Office (Loop Plant Only)- Enter the number of individual fiber strands terminated in central offices in **whole numbers** on this row.

Row 0481 - Fiber Terminated at Customer's Premises at the DSO Rate - Enter the number of individual customer services provided over fiber strands terminated at the customer's premises, other than trials, at the DSO rate on this row. **Enter in whole numbers.**

Row 0482 - Fiber Terminated at Customer's Premises at the DS1 Rate - Enter the number of individual customer services provided over fiber strands terminated at the customer's premises, other than trials, at the DS1 rate on this row. **Enter in whole numbers.**

Row 0483 - Fiber Terminated at Customer's Premises at the DS2 Rate - Enter the number of individual customer services provided over fiber strands terminated at the customer's premises, other than trials, at the DS2 rate on this row. **Enter in whole numbers.**

Row 0484 - Fiber Terminated at the Customer's Premises at the DS3 Rate or Higher - Enter the number of individual customer services provided over fiber strands terminated at the customer's premises, other than trials, at the DS3 rate or higher on this row. Footnote the number of individual services provided over fiber strands terminated at the customer's premises at a higher than DS3 rate, if any. **Enter in whole numbers.**

Table III

Row 0510 - Total - Enter the data in **whole numbers** for the total number of end offices in the appropriate columns on this row.

Row 0511 - End Offices Electro-Mechanical Switches - Enter the data for the total number of end offices equipped with electro-mechanical switches in the appropriate columns on this row. **Enter in whole numbers.**

Row 0512 - End Office SPC Analog Switches - Enter the data for the total number of end offices equipped with SPC analog switches in the appropriate columns in this row. **Enter in whole numbers.**

Row 0513 - End Office Digital Switches - Enter the data for the total number of end offices equipped with Digital Switches in the appropriate columns on this row. **Enter in whole numbers.**

Row 0520 - Total Access Lines - Enter the percent of the network represented by the total number of access lines in the appropriate columns in this row. **Round to 2 decimal places.**

Row 0521 - Access Lines Electro-Mechanical Switches - Enter the percent of the network represented by the total number of access lines equipped with electro-mechanical switches in the appropriate columns on this row. **Round to 2 decimal places.**

Row 0522 - Access Lines SPC Analog Switches - Enter the percent of the network represented by the total number of access lines equipped with SPC analog switches in the appropriate columns on this row. **Round to 2 decimal places.**

Row 0523 - Access Lines Digital Switches - Enter the percent of the network represented by the total number of access lines equipped with Digital Switches in the appropriate columns on this row. **Round to 2 decimal places.**

Table IV

Row 0530 - Total Access Lines in Service - Enter the number of all access lines in service on this row. **Round to the nearest thousand.**

Row 0531 - Access Line Gain - This amount is calculated by subtracting outward movement from inward movement. **Enter in whole numbers.**

Row 0540 - Total Gross Capital Expenditures - Enter the dollar amount of gross additions to accounts 2110, 2210, 2220, 2230, 2310, 2410, 2680 and 2690 during the current reporting period. See also ARMIS Report 43-02, row 260, column (ac). Gross capital expenditures are consistent with Form M and ARMIS. Round to the nearest thousand.

Infrastructure Report

Column Descriptions

Table I

Column (a) - Total Study Area - This column represents the total study area. A study area usually consists of a telephone company's service territory in a given state, although telephone companies occasionally have more than one study area in a particular state. Enter the facilities in the total study area in this column. This amount should equal column (b) plus column (c).

Column (b) - within MSA - This column represents all MSAs served within the study area. MSAs, or Metropolitan Statistical Areas, are designated by the Department of Commerce in a list following each decadal census. An MSA includes at least one city with a minimum population of 50,000 and its surrounding area, or a Census Bureau defined urbanized area of at least 50,000 population located in an area with a minimum population of 100,000. See, 45 Fed. Reg. 956 (1980). This definition and the current list remain in effect until the new list of metropolitan statistical areas and changes in definition, if any, are issued in June 1992. Enter the facilities within any MSA in the Study Area in this column.

Column (c) - non-MSA - This column represents all areas which lie outside of any MSA. Enter the facilities in the Study Area which are located outside of any MSA.

Table II

Column (d) - Total Study Area - See description for Table I, column (a).

Table III

Call Set-Up Time - For the purposes of infrastructure reporting, call set-up time is defined as "the time between dialing the last digit and the response or acknowledgement 'winkback', or the acknowledgement of signal receipt from the interexchange carrier."

Column (e) - End Offices - Enter the total number of end offices appropriate for each row, in this column. The access line counts in this column should be consistent with the access line data provided in Table I of the Infrastructure Report. Footnote the number of end offices used in the Bellcore studies that developed the underlying data.

Average Call Set-Up Time - Average call set-up time is the average amount of call set-up time for all end office types.

Direct - Direct access from the end office to the interexchange carrier POP.

Column (f) - SS7-394 - Enter the average call set-up time, or the percent of network represented, as appropriate, for direct access from end offices using SS7-394.

Column (g) - MF - Enter average call set-up time, or the percent of the network represented, as appropriate, for direct access from end offices using multifrequency signaling.

Via Access Tandem - End Offices routing calls through a switch having tandem capability.

Column (h) - SS7-394 - Enter the average call set-up time, or the percent of the network represented, as appropriate, for end office routing calls through tandem switches using SS7-394.

Column (i) - MF - Enter the average call set-up time, or percent of the network represented, as appropriate, for end offices routing calls through tandem switches using multifrequency signaling.

Column (j) - Mixed - Enter the average call set-up time, or percent of the network represented, as appropriate, for end offices using multifrequency signaling, routing calls through an access tandem switch using SS7-394 signaling.

Table IV

Column (k) - Total Study Area - See description for Table I, column (a).

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 . _____