

**RULES
OF
TENNESSEE REGULATORY AUTHORITY**

**CHAPTER 1220-4-6
TEN YEAR MASTER PLAN FOR TECHNOLOGY DEPLOYMENT
BY TELEPHONE COMPANIES**

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1220-4-6-.01 PURPOSE.

- (1) Digital switching and fiber optic transmission systems are only the most visible elements of ever more complex and capable telecommunications systems. These technologies can support a wide variety of new services if widely deployed. Interactive two-way video services for education; high resolution, high speed color facsimile for medical and other commercial applications as well as for home shopping; high definition television, with movies on demand; high speed data communications services for business use; caller identification services; video telephone; secure voice; and user friendly, responsive home information services can be offered if equipment embodying these new technologies is put in place. Wide development is essential if the full benefit of such services is to be realized since telecommunications services often involve pairwise interactions and become most valuable when the number of users is large.
- (2) The Tennessee Regulatory Authority, in exercising its responsibility to regulate telecommunications service in the State of Tennessee, has reexamined the current approach to regulation and deployment of new technology. The result is a Ten Year Master Plan for Technology Deployment that will serve as a platform for new service capabilities into Tennessee and as a guide for reinvesting some of the expected benefits of the Authority's regulatory reform policy.
- (3) A report containing the Master Plan is on file at the Authority. The report also contains an assessment of current market needs, an evaluation of the existing telecommunications network as well as network currently planed by Tennessee's telephone companies, and a technological forecast.

Authority: T.C.A. §§ 65-2-102 and 65-4-104. **Administrative History:** Original rule filed August 3, 1992; effective September 17, 1992. Editorial changes made by the Secretary of State pursuant to Public Chapter 305 of 1995; "Commission" and references to the "Commission" were changed to "Authority" and references to the "Authority"; effective March 28, 2003.

1220-4-6-.02 SCOPE.

- (1) The Ten Year Master Plan adopted by the Authority represents an aggressive but achievable accelerated deployment of new technology in the local telephone network, with a focus on service capabilities. The added costs are within reason and should be capable of funding from increased operating efficiencies fostered by regulatory reform and from new service revenues, with little, if any, observable effect on the ratepayers in Tennessee.
- (2) The Plan takes into account the existing network and current plans, the forecast of new technology for feature enrichment, and the prospect that new applications will quickly evolve once the capabilities are ubiquitously in place.

(Rule 1220-4-6-.02, continued)

- (3) The Authority, by adopting a Master Plan for Technology Deployment, is integrating the benefits of regulatory reform into the network infrastructure.
- (4) The Master Plan meets the Authority's objective of bringing the benefits of technology to all ninety-five (95) counties in the State. It is based on several important definitions, which relate technology deployment to service capabilities required to support specific applications, and which classify the counties in the State according to their demographic makeup.
- (5) The Master Plan hereby applies to all telecommunications carriers in the State, including local exchange carriers, interexchange carriers and others. Since interexchange carriers already have adequate capability to meet any service capabilities that would be provided by the local exchange carriers under the proposed Master Plan, and since other (bypass) carriers are well-equipped to deploy whatever technology is appropriate to meet their specialized needs, the Master Plan focuses on the local exchange carriers, which are the principal agencies involved in bringing new service capabilities to the population at large. The unregulated telephone cooperatives have been included in the Plan on a voluntary basis.

Authority: T.C.A. §§ 65-2-102 and 65-4-104. **Administrative History:** Original rule filed August 3, 1992; effective September 17, 1992. Editorial changes made by the Secretary of State pursuant to Public Chapter 305 of 1995; "Commission" and references to the "Commission" were changed to "Authority" and references to the "Authority"; effective March 28, 2003.

1220-4-6-.03 FUNDAMENTAL SERVICE CAPABILITIES.

- (1) The Master Plan, rather than specify deployment of new technology for its own sake, defines three (3) fundamental services capabilities which the major new technologies will support:
 - (a) Intelligent Network Capability or Signaling System 7 (CCS #7) - This technology enables the telephone company to provide customer services such as caller ID, selective call forwarding, selective call blocking and data base access services as well as improved data transmission services for businesses. It will improve the network operations for local telephone companies which will result in greater cost savings and operating efficiencies in the future. Signaling System 7, which sets up a call faster and allows more customized services than its predecessor, is already in place in Tennessee's urban counties. The Plan accelerates deployment throughout the State.
 - (b) Integrated Service Digital Network (ISDN) - This will provide for simultaneous data, video and voice transmission over the same lines. This capability allows an order of magnitude increase in the digital transmission capacity compared to existing voice grade services and can support services such as high speed Fax, video and secure voice communication. Prior to adoption of the Master Plan, ISDN would have been implemented slowly beginning in 1992, with some areas of Tennessee not having ISDN capabilities within the next ten (10) years. The Plan accelerates deployment, making ISDN available statewide by 2000.
 - (c) Broadband - This encompasses high speed services requiring a fiber optic transmission system and broadband digital switches. This capacity includes transmission at forty-five (45) megabits per second and up, and supports such services as full motion interactive video, high definition television, and high speed data transmission. Broadband capacity is not currently available in some areas in Tennessee, but is expected to be available after 1995 under the Plan.

Authority: T.C.A. §§ 65-2-102 and 65-4-104. **Administrative History:** Original rule filed August 3, 1992; effective September 17, 1992.

1220-4-6-.04 DEPLOYMENT SCHEDULES.

- (1) In order to develop rational deployment strategies for each of the service capabilities, counties are classified according to their demographic characteristics as urban, suburban or small urban, and rural. Under the Plan, the various service capabilities are to be deployed as follows:
 - (a) Full deployment of intelligent network capability (CCS#7) in the five urban counties in 1991, and in the rest of the State by 1993.
 - (b) Deployment of ISDN in 1991 in the urban areas, moving to full deployment by 1998. In the suburban counties, deployment will start in 1993 with rapid initial buildup and full deployment by the year 2000. Similarly, deployment will start in rural counties in 1994 with a rapid initial buildup, leading to full deployment in the year 2000.
 - (c) Offer broadband capability in the urban counties starting in 1995, in suburban counties starting in 1997, and in rural counties starting in 1999. In all cases, broadband is planned to grow slowly at first, reaching 10 percent penetration in the urban areas, 5 percent in the suburbs and 2 percent in the rural areas by the year 2000.
- (2) These deployment schedules are designed to require additional expenditures by the telephone companies that do not fluctuate too much from year to year. The total additional cost over the ten- (10) year period is just under \$400 million, with the highest cost, close to \$100 million, incurred in 1991. Translating these into estimates of revenue requirements, the increase fostered by the Master Plan is an average of about \$50 million per year, ranging from \$27 million in 1992 to \$67 million in 1999. These cost increases represent an approximate eleven and one half percent (11.5%) increase in capital expenses and a four and three quarter percent (4.75%) increase in revenue requirements over the life of the Plan. These estimates do not reflect any of the operational savings or new service revenues which will flow from accelerated deployment.
- (3) Not included in the costs is a plan to deploy fiber interoffice trunks to all wire centers serving more than 1,000 access lines by 1993, and to all wire centers by 1995. Although not needed for the service capabilities defined above, this deployment will allow provision of broadband private line services to every county in the State by 1993 and to every wire center by 1995. It is expected that the additional costs of this deployment will be small since a great deal of added fiber trunk capacity is already included in current plans.

Authority: T.C.A. §§ 65-2-102 and 65-4-104. **Administrative History:** Original rule filed August 3, 1992; effective September 17, 1992.

1220-4-6-.05 TECHNOLOGY DEPLOYMENT PLAN FOR INDIVIDUAL TELEPHONE COMPANIES.

- (1) The following is a key to abbreviations used in paragraphs (2) and (3).
 - (a) Switching Machine Legend List by Vendor.
 1. DCO Digital Central Office
 2. SXS AT&T Technologies 350A or #1 SXS
 3. 355 AT&T Technologies 355A SXS
 4. RSS AT&T Technologies IOA Remote Switching System
 5. RSM AT&T Technologies Remote Switching Module

(Rule 1220-4-6-.05, continued)

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|-----|-----------|---|
| 6. | IAESS | AT&T Technologies #1A Electronic Switching System |
| 7. | 2ESS | AT&T Technologies #2 Electronic Switching System |
| 8. | 2BES | AT&T Technologies #2B Electronic Switching System |
| 9. | 3ESS | AT&T Technologies #3 Electronic Switching System |
| 10. | 5XB | AT&T Technologies #5 Crossbar |
| 11. | 5ESS | AT&T Technologies #5 Electronic Switching System |
| 12. | SXS-AE | Automatic Electric SXS |
| 13. | REM | Generic Digital Remote |
| 14. | DIG | Generic Digital Switch |
| 15. | TDM | Generic Tandem Switch |
| 16. | TCS-5ITT | Corporation Analog Electronic Switching System |
| 17. | DSS-1210 | ITT Digital Switch |
| 18. | SXS-I | ITT SXS |
| 19. | RM-K | Kellogg Relay-Matic Electromechanical Switch |
| 20. | SXS-K | Kellogg SXS |
| 21. | RM-L | Lenkhurt Relay-Matic Electromechanical Switch |
| 22. | NEAX61K | NEC Digital Switch, Version K |
| 23. | NWC | New Wire Center |
| 24. | NX-2A | North Crossbar Switch |
| 25. | NXI-E | North Crossbar Switch with Processor Control |
| 26. | DMS-200 | Northern Telecom Access Tandem/TOPS |
| 27. | SP-1 | Northern Telecom Analog Electronic Switching System |
| 28. | DSM-1/200 | Northern Telecom Combined Local/Access Tandem |
| 29. | DSM-10 | Northern Telecom Digital Multiplexing System |
| 30. | DSM-100 | Northern Telecom Local Digital Switch |
| 31. | RLCM | Northern Telecom Remote Line Concentrator Module |

(Rule 1220-4-6-.05, continued)

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|-----|-------|--|
| 32. | RLSE | Northern Telecom Remote Line Switch Equipment |
| 33. | RSC | Northern Telecom Remote Switching Center |
| 34. | RM-S | Stromberg Carlson Electromechanical Switch |
| 35. | ESC-1 | Stromberg Carlson Electromechanical Switching Center |
| 36. | XY | Stromberg Carlson Step-by-Step Switch |
| 37. | ITS-5 | Vidar Corporation Digital Switch |

(b) COUNTY CLASS

1. R = Rural
2. S = Suburban
3. U = Urban

- (2) Tennessee Regulatory Authority Telecommunications Technology Deployment Plan, Master Plan Network Switch Configuration.

(Rule 1220-4-6-.05, continued)

(2) Tennessee Regulatory Telecommunications Technology Deployment Plan, Master Plan Network Switch Configuration.

LOCATION	COMPANY	EXISTING SWITCH	BASELINE REPLACE YEAR	PLANNED REPLACEMENT SWITCH	COUNTY	COUNTY CLASS	SS7 DATE	ISDN DATE	B8 DATE
1 ADAMSVILLE	ADAMSVILLE TEL. CO.	DOO	0		MONAIREY	R	1992	1994	0
2 ENVILLE	ADAMSVILLE TEL. CO.	RNS	0		CHESTER	R	1993	1998	0
3 MILLEDGEVILLE	ADAMSVILLE TEL. CO.	RNS	0		MONAIREY	R	1993	1997	0
4 SHILOH	ADAMSVILLE TEL. CO.	RNS	0		HARDIN	R	1993	1996	0
5 CLAXTON	ALLTEL TEL. CO.	DMS-10	0		ANDERSON	S	1991	1998	0
6 POWELL	ALLTEL TEL. CO.	DMS-1000	0		KNOX	U	1991	1998	0
7 RUTLEDGE	ALLTEL TEL. CO.	DMS-10	0		GRAINGER	S	1991	1994	1997
8 TATE SPRINGS	ALLTEL TEL. CO.	XY	1991	REM	GRAINGER	S	1992	1994	0
9 WASHBURN	ALLTEL TEL. CO.	XY	1991	REM	GRAINGER	S	1993	1995	0
10 ARDMORE	ARDMORE TEL. CO.	DMS-10	0		GILES	R	1993	1996	0
11 MCBURG	ARDMORE TEL. CO.	XY	1991	REM	LINCOLN	R	1993	1998	0
12 MINOR HILL	ARDMORE TEL. CO.	XY	1991	REM	GILES	R	1993	1997	0
13 BEECH GROVE	BEN LOWAND RU. TEL. COOP.	DMS-10	0		COFFEE	R	1993	1999	0
14 BEERSHEDA	BEN LOWAND RU. TEL. COOP.	DMS-10	0		GRUNDY	R	1993	1995	0
15 BEN DE CROFT	BEN LOWAND RU. TEL. COOP.	ITS-5	0		WHITE	R	1993	1997	0
16 CENTERTOWN	BEN LOWAND RU. TEL. COOP.	DMS-10	0		WARREN	R	1993	1996	0
17 DIERELL	BEN LOWAND RU. TEL. COOP.	DMS-10	0		WARREN	R	1993	1998	0
18 DOYLE	BEN LOWAND RU. TEL. COOP.	DMS-10	0		WHITE	R	1993	1996	0
19 HILLSBORO	BEN LOWAND RU. TEL. COOP.	DMS-10	0		COFFEE	R	1993	1997	0
20 LAAGER	BEN LOWAND RU. TEL. COOP.	DMS-10	0		GRUNDY	R	1992	1994	1999
21 MONTMINVILLE RURAL	BEN LOWAND RU. TEL. COOP.	DMS-100	0		WARREN	R	1992	1994	0
22 MONTEAGLE	BEN LOWAND RU. TEL. COOP.	DMS-10	0		GRUNDY	R	1992	1995	0
23 OLD ZION	BEN LOWAND RU. TEL. COOP.	DMS-10	0		WHITE	R	1993	1995	0
24 PELHAM	BEN LOWAND RU. TEL. COOP.	DMS-10	0		GRUNDY	R	1993	1997	0
25 ROCK ISLAND	BEN LOWAND RU. TEL. COOP.	DMS-10	0		WARREN	R	1993	1996	0
26 SPARTA RURAL	BEN LOWAND RU. TEL. COOP.	ITS-5	0		WHITE	R	1992	1994	1999
27 SPENCER	BEN LOWAND RU. TEL. COOP.	DMS-10	0		VAN BUREN	R	1991	1994	1999
28 TRACY CITY	BEN LOWAND RU. TEL. COOP.	ITS-5	0		GRUNDY	R	1991	1994	1999
29 VIOLA	BEN LOWAND RU. TEL. COOP.	DMS-10	0		WARREN	R	1993	1997	0
30 COLLEGE STATION	BLEDSOE TEL. COOP.	DMS-10	0		BLEDSOE	S	1993	1995	0

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LOCATION	COMPANY	EXISTING SWITCH	BASELINE REPLACE YEAR	PLANNED REPLACEMENT SWITCH	COUNTY	COUNTY CLASS	SS7 DATE	ISDN DATE	BB DATE
31 DUNLAP	BLEDSOE TEL. COOP.	DMS-10	0		SEQUATCHIE	S	1991	1994	1997
32 FALL CREEK FALLS	BLEDSOE TEL. COOP.	DMS-10	0		BLEDSOE	S	1992	1994	0
33 NINE MILE	BLEDSOE TEL. COOP.	DMS-10	0		BLEDSOE	S	1993	1996	0
34 PIKEVILLE	BLEDSOE TEL. COOP.	DMS-10	0		BLEDSOE	S	1991	1994	1997
35 NEW TAZEMELL	CLAIBORNE TEL. CO., INC.	DOO	0		CLAIBORNE	R	1992	1994	1999
36 SHARPS CHAPEL	CLAIBORNE TEL. CO., INC.	RLS	0		UNION	S	1993	1996	0
37 CONCORD	CONCORD TEL. EX., INC.	NEAX61K	1991	LARGE	KNOX	U	1991	1997	0
38 ALAMO	CROCKETT TEL. CO., INC.	SXS-AE	1991	DOO	CROCKETT	R	1992	1994	0
39 FRIENDSHIP	CROCKETT TEL. CO., INC.	SXS-K	1991	REM	CROCKETT	R	1993	1996	0
40 MAURY CITY	CROCKETT TEL. CO., INC.	DMS-10	0		CROCKETT	R	1991	1995	0
41 ALEXANDRIA	DEKALB TEL. COOP.	RSC	0		DEKALB	R	1993	1996	0
42 ALBURN TOWN	DEKALB TEL. COOP.	RSC	0		CANNON	R	1993	1998	0
43 GORDONSVILLE	DEKALB TEL. COOP.	RSC	0		SMITH	R	1991	1994	1999
44 LIBERTY	DEKALB TEL. COOP.	RSC	0		DEKALB	R	1993	1996	0
45 MILTON	DEKALB TEL. COOP.	RSC	0		RUTHERFORD	S	1993	2000	0
46 MORENE	DEKALB TEL. COOP.	RSC	0		WILSON	S	1993	1999	0
47 SMITHVILLE	DEKALB TEL. COOP.	DMS-1/2U	0		DEKALB	R	1991	1994	1999
48 TEMPERANCE HALL	DEKALB TEL. COOP.	RSC	0		DEKALB	R	1993	1999	0
49 WOODBURY	DEKALB TEL. COOP.	DMS-10	0		CANNON	R	1991	1994	1999
50 WOODLAND	DEKALB TEL. COOP.	RSC	0		CANNON	R	1993	1998	0
51 ALGOOD	GENERAL TEL. CO.	SXS-AE	1992	RSC	PUTNAM	R	1992	1995	0
52 COOKEVILLE	GENERAL TEL. CO.	DMS-1/200	0		PUTNAM	R	1991	1994	1999
53 CROSSVILLE	GENERAL TEL. CO.	DMS-100	0		CUMBERLAND	R	1991	1994	1999
54 DRESDEN	GENERAL TEL. CO.	DMS-10	0		WEAKLEY	R	1992	1994	0
55 LATHAM	GENERAL TEL. CO.	OPOM	0		WEAKLEY	R	1993	1999	0
56 MARTIN	GENERAL TEL. CO.	DMS-10	0		WEAKLEY	R	1991	1994	1999
57 MCMINNVILLE	GENERAL TEL. CO.	DMS-10	0		WARREN	R	1991	1994	1999
58 MONTEREY	GENERAL TEL. CO.	SXS-AE	1993	RSC	PUTNAM	R	1993	1996	0
59 PALMERSVILLE	GENERAL TEL. CO.	OPOM	0		WEAKLEY	R	1993	1997	0
60 PLEASANT HILL	GENERAL TEL. CO.	SXS-AE	1993	RSC	CUMBERLAND	R	1993	1998	0
61 SHARON	GENERAL TEL. CO.	SXS-AE	1993	DMS-10	WEAKLEY	R	1993	1996	0
62 SIDONIA	GENERAL TEL. CO.	RLOM	0		WEAKLEY	R	1993	1998	0
63 SPARTA	GENERAL TEL. CO.	RSC	0		WHITE	R	1991	1994	1999

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64 TANSI	GENERAL TEL. CO.	SXS-AE	1992	RSC	CUMBERLAND	R	1993	1996	0
65 DEER LODGE	HIGHLAND TEL. COOP.	DMS-10	0		MORGAN	R	1992	1997	0
66 HUNTSVILLE	HIGHLAND TEL. COOP.	TCS-5	1991	DMS-10	SCOTT	R	1992	1995	0
67 OAKDALE	HIGHLAND TEL. COOP.	TCS-5	1991	DMS-10	MORGAN	R	1992	1994	0
68 ONEIDA	HIGHLAND TEL. COOP.	TCS-5	1991	DMS-10	SCOTT	R	1991	1994	1999
69 PETROS	HIGHLAND TEL. COOP.	DMS-10	0		MORGAN	R	1992	1995	0
70 ROBBINS	HIGHLAND TEL. COOP.	DMS-10	0		SCOTT	R	1992	1997	0
71 SUNBRIGHT	HIGHLAND TEL. COOP.	DMS-10	0		MORGAN	R	1992	1995	0
72 WARTEBURG	HIGHLAND TEL. COOP.	DMS-10	0		MORGAN	R	1991	1994	1999
73 NEW JOHNSONVILLE	HUMPHREYS COUNTY TEL. CO.	DOO	0		HUMPHREYS	R	1993	1996	0
74 ETHRIDGE	LORETTO TEL. CO., INC.	DOO	0		LAWRENCE	R	1993	1996	0
75 LEOMA	LORETTO TEL. CO., INC.	TCS-5	1993	DOO	LAWRENCE	R	1993	1995	0
76 LORETTO	LORETTO TEL. CO., INC.	SXS-I	1992	DOO	LAWRENCE	R	1993	1995	0
77 ST. JOSEPH	LORETTO TEL. CO., INC.	XY	1992	DOO	LAWRENCE	R	1993	1997	0
78 MASON	MILLINGTON TEL. CO., INC.	RSC	0		TIPTON	S	1993	1998	0
79 MILLINGTON	MILLINGTON TEL. CO., INC.	DMS-100	0		SHELBY	U	1990	1998	0
80 MUNFORD	MILLINGTON TEL. CO., INC.	RSC	0		TIPTON	S	1992	1998	0
81 ROSEMARK	MILLINGTON TEL. CO., INC.	RSC	0		SHELBY	U	1991	1998	0
82 SHELBY FOREST	MILLINGTON TEL. CO., INC.	RSC	0		SHELBY	U	1991	1998	0
83 STANTON	MILLINGTON TEL. CO., INC.	RSC	0		HAYWOOD	R	1991	1998	0
84 BETHPAGE	NORTH CENTRAL TEL. COOP.	DMS-10	0		SUNNER	S	1992	2000	0
85 DEFEATED	NORTH CENTRAL TEL. COOP.	RLSE	0		SMITH	R	1992	1994	0
86 GREEN GROVE	NORTH CENTRAL TEL. COOP.	RLSE	0		MACON	R	1992	1999	0
87 HILLSDALE	NORTH CENTRAL TEL. COOP.	RLSE	0		MACON	R	1992	1997	0
88 LAFAYETTE	NORTH CENTRAL TEL. COOP.	DMS-10	0		MACON	R	1991	1994	1999
89 OAK GROVE	NORTH CENTRAL TEL. COOP.	DMS-10	0		SUNNER	S	1992	1998	0
90 PLEASANT SHADE	NORTH CENTRAL TEL. COOP.	RLSE	0		SMITH	R	1992	1994	0
91 RED BOILING SPRINGS	NORTH CENTRAL TEL. COOP.	DMS-10	0		MACON	R	1992	1995	0
92 WESTMORELAND	NORTH CENTRAL TEL. COOP.	DMS-1210	0		SUNNER	S	1992	1997	0
93 APISON	COLTWAH-COLLEGE DALE TEL.	DOO	0		HAMILTON	U	1992	1998	0
94 COLLEGE DALE	COLTWAH-COLLEGE DALE TEL.	DOO	0		HAMILTON	U	1992	1998	0
95 COLTWAH	COLTWAH-COLLEGE DALE TEL.	DOO	0		HAMILTON	U	1992	1998	0
96 ERIN	PEOPLES TEL. CO., INC.	SXS-K	1991	DOO	HOUSTON	R	1992	1994	1999

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97 HENRY	PEOPLES TEL. CO., INC.	RLS	0		HENRY	R	1993	1998	0
98 TENNESSEE RIDGE	PEOPLES TEL. CO., INC.	SXS-K	1991	RNS	HOUSTON	R	1993	1995	0
99 SHADY VALLEY	SKYLINE	DMS-10	0		JOHNSON	R	1993	1998	0
100 ADAMS-CEDAR HILL	SOUTH CENTRAL BELL	RLS	0		ROBERTSON	S	1993	1997	0
101 ARLINGTON	SOUTH CENTRAL BELL	RSC	0		SHELBY	U	1990	1998	0
102 ASHLAND CITY	SOUTH CENTRAL BELL	DMS-10	0		CHEATHAM	S	1991	1994	1997
103 ATHENS	SOUTH CENTRAL BELL	DMS-100	0		MOHINN	R	1991	1994	1999
104 BELLS	SOUTH CENTRAL BELL	RNS	0		CROCKETT	R	1992	1994	1999
105 BENTON	SOUTH CENTRAL BELL	DMS-10	0		POLK	R	1993	1995	0
106 BETHEL SPRINGS	SOUTH CENTRAL BELL	RLS	0		MCNAITY	R	1993	1996	0
107 BIG SANDY	SOUTH CENTRAL BELL	RLS	0		BENTON	R	1993	1998	0
108 BLANCHE	SOUTH CENTRAL BELL	RLS	0		LINCOLN	R	1993	1997	0
109 BOLIVAR	SOUTH CENTRAL BELL	DOO	0		HARDENMAN	R	1992	1994	1999
110 BROWNSVILLE	SOUTH CENTRAL BELL	DOO	0		HAYWOOD	R	1992	1994	1999
111 BULLS GAP	SOUTH CENTRAL BELL	RNS	0		HAWKINS	R	1993	1995	0
112 CAMDEN	SOUTH CENTRAL BELL	RNS	0		BENTON	R	1992	1994	1999
113 CARTHAGE	SOUTH CENTRAL BELL	RSC	0		SMITH	R	1993	1998	0
114 CENTERVILLE	SOUTH CENTRAL BELL	DMS-10	0		HICKMAN	R	1991	1994	1999
115 CHARLESTON	SOUTH CENTRAL BELL	DMS-10	0		BRADLEY	S	1993	1997	0
116 CHARLOTTE	SOUTH CENTRAL BELL	RNS	0		DICKSON	R	1993	1996	0
117 CHTG BRAINERO	SOUTH CENTRAL BELL	1AES	1992	LARGE	HAMILTON	U	1991	1992	1995
118 CHTG DODDS	SOUTH CENTRAL BELL	1AES	1993	LARGE	HAMILTON	U	1991	1993	1995
119 CHTG HARRISON	SOUTH CENTRAL BELL	2BES	1991	LARGE	HAMILTON	U	1991	1997	0
120 CHTG MIDDLE VALLEY	SOUTH CENTRAL BELL	5ESS	0		HAMILTON	U	1991	1997	0
121 CHTG NINTH ST CGO	SOUTH CENTRAL BELL	1AES	1994	LARGE	HAMILTON	U	1991	1994	0
122 CHTG NINTH ST DSO	SOUTH CENTRAL BELL	DMS-1/200	0		HAMILTON	U	1991	1998	1999
123 CHTG RED BANK	SOUTH CENTRAL BELL	1AES	1996	LARGE	HAMILTON	U	1991	1996	0
124 CHTG ROSSVILLE	SOUTH CENTRAL BELL	5ESS	0		HAMILTON	U	1991	1995	0
125 CHTG SIGNAL MTN	SOUTH CENTRAL BELL	5RSM	1993	5ESS	HAMILTON	U	1991	1998	0
126 CHTG ST ELMO	SOUTH CENTRAL BELL	2BES	1991	LARGE	HAMILTON	U	1991	1997	0
127 CLARKSVILLE	SOUTH CENTRAL BELL	1AES	1993	LARGE	MONTGOMERY	S	1991	1993	1997
128 CLARKSVILLE HOST DSO	SOUTH CENTRAL BELL	5ESS	0		MONTGOMERY	S	0	1996	0
129 CLEVELAND	SOUTH CENTRAL BELL	5ESS	0		BRADLEY	S	1991	1993	1997

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LOCATION	COMPANY	EXISTING SWITCH	BASELINE REPLACE YEAR	PLANNED REPLACEMENT SWITCH	COUNTY	COUNTY CLASS	SS7 DATE	ISDN DATE	BB DATE
130 CLINTON	SOUTH CENTRAL BELL	DOO	0		ANDERSON	S	1992	1994	0
131 COLLIERVILLE	SOUTH CENTRAL BELL	SESS	0		SHELBY	U	1991	1998	0
132 COLUMBIA	SOUTH CENTRAL BELL	DMS-100	0		MAURY	R	1991	1994	1999
133 COPPERHILL	SOUTH CENTRAL BELL	DMS-10	0		POLK	R	1991	1994	1999
134 COVINGTON	SOUTH CENTRAL BELL	SESS	0		TIPTON	S	1991	1993	1997
135 CROSS PLAINS-ORLINDA	SOUTH CENTRAL BELL	RLS	0		ROBERTSON	S	1993	1996	0
136 CULLEOKA	SOUTH CENTRAL BELL	RSC	0		MAURY	R	1993	1998	0
137 CUMBERLAND CITY	SOUTH CENTRAL BELL	SRSM	0		STEWART	R	1993	1998	0
138 CUMBERLAND GAP	SOUTH CENTRAL BELL	DMS-10	0		CLAIBORNE	R	1991	1995	0
139 CUNNINGHAM	SOUTH CENTRAL BELL	SRSM	0		MONTGOMERY	S	1993	1997	0
140 DANDRIDGE	SOUTH CENTRAL BELL	DOO	0		JEFFERSON	S	1992	1994	0
141 DAYTON	SOUTH CENTRAL BELL	DOO	0		RHEA	S	1992	1994	1997
142 DECATUR	SOUTH CENTRAL BELL	RSC	0		MEIGS	S	1991	1994	1999
143 DICKSON	SOUTH CENTRAL BELL	28ES	1991	LARGE	DICKSON	R	1991	1994	1999
144 DOVER	SOUTH CENTRAL BELL	SRSM	0		STEWART	R	1993	1998	0
145 DYER	SOUTH CENTRAL BELL	RLS4	0		GIBSON	R	1993	1995	0
146 DYERSBURG	SOUTH CENTRAL BELL	DMS-100	0		DYER	R	1991	1994	1999
147 EAGLEVILLE	SOUTH CENTRAL BELL	SRSM	0		RUTHERFORD	S	1993	1998	0
148 ETOWAH	SOUTH CENTRAL BELL	DMS-10	0		MOMIN	R	1993	1995	0
149 FAIRVIEW	SOUTH CENTRAL BELL	RSC	0		WILLIAMSON	S	1990	1995	0
150 FAYETTEVILLE	SOUTH CENTRAL BELL	28ES	1991	LARGE	LINCOLN	R	1991	1994	1999
151 FKLN COOL SPRINGS	SOUTH CENTRAL BELL		1991	50RM	WILLIAMSON	S	1991	1996	0
152 FLINTVILLE	SOUTH CENTRAL BELL	RLS	0		LINCOLN	R	1993	1996	0
153 FRANKLIN	SOUTH CENTRAL BELL	DMS-100	0		WILLIAMSON	S	1990	1993	1997
154 FREDONIA	SOUTH CENTRAL BELL	SRSM	0		MONTGOMERY	S	1993	1998	0
155 FRIENDSVILLE	SOUTH CENTRAL BELL	DMS-10	0		BLOUNT	S	1993	1997	0
156 GALLATIN	SOUTH CENTRAL BELL	SESS	0		SUMNER	S	1992	1994	0
157 GATLINBURG	SOUTH CENTRAL BELL	28ES	1993	LARGE	SEVIER	S	1993	1995	0
158 GIBSON	SOUTH CENTRAL BELL	RLS4	0		GIBSON	R	1993	1997	0
159 GLEASON	SOUTH CENTRAL BELL	RNS	0		WEAKEY	R	1993	1996	0
160 GOODLETTSVILLE	SOUTH CENTRAL BELL	1AES	1998	LARGE	DAVIDSON	U	1990	1998	0
161 GRAND JUNCTION	SOUTH CENTRAL BELL	RNS	0		HARDENMAN	R	1993	1995	0
162 GREENBACK	SOUTH CENTRAL BELL	RSC	0		LOUDON	S	1993	1996	0

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LOCATION	COMPANY	EXISTING SWITCH	BASELINE REPLACE YEAR	PLANNED REPLACEMENT SWITCH	COUNTY	COUNTY CLASS	SS7 DATE	ISDN DATE	BB DATE
163 GREENBRIER	SOUTH CENTRAL BELL	RSC	0		ROBERTSON	S	1992	1994	0
164 GREENFIELD	SOUTH CENTRAL BELL	DMS-10	0		WEAKLEY	R	1993	1995	0
165 HALLS	SOUTH CENTRAL BELL	RSC	0		LAUDERDALE	R	1993	1995	0
166 HAMPSHIRE	SOUTH CENTRAL BELL	RLOM	0		MAURY	R	1993	1999	0
167 HARRIMAN	SOUTH CENTRAL BELL	RNS	0		ROANE	S	1992	1994	0
168 HARTFORD	SOUTH CENTRAL BELL	RNS	0		COOKE	R	1993	1996	0
169 HARTSVILLE	SOUTH CENTRAL BELL	RSC	0		TROUSDALE	R	1993	1998	0
170 HENDERSON	SOUTH CENTRAL BELL	DMS-10	0		CHESTER	R	1991	1994	1999
171 HENDERSONVILLE	SOUTH CENTRAL BELL	SESS	0		SUMNER	S	1990	1993	1997
172 HENNING	SOUTH CENTRAL BELL	RSC	0		LAUDERDALE	R	1993	1997	0
173 HOHENWALD	SOUTH CENTRAL BELL	RSC	0		LEWIS	R	1993	1998	0
174 HORNBEEK	SOUTH CENTRAL BELL	RSC	0		OBION	R	1993	1996	0
175 HUMBOLDT	SOUTH CENTRAL BELL	RNS	0		GIBSON	R	1992	1994	1999
176 HUNTINGDON	SOUTH CENTRAL BELL	RNS	0		CARROLL	R	1992	1994	1999
177 HUNTLAND	SOUTH CENTRAL BELL	RNS	0		FRANKLIN	R	1993	1997	0
178 JACKSON MAIN	SOUTH CENTRAL BELL	1AES	1993	LARGE	MADISON	S	1991	1993	1997
179 JACKSON NORTH-SIDE	SOUTH CENTRAL BELL	2BES	1992	LARGE	MADISON	S	1992	1994	0
180 JASPER	SOUTH CENTRAL BELL	DOO	0		MARION	S	1992	1994	1997
181 JEFFERSON CITY	SOUTH CENTRAL BELL	DMS-10	0		JEFFERSON	S	1991	1994	1997
182 JELLICO	SOUTH CENTRAL BELL	RNS	0		CAMPBELL	R	1993	1996	0
183 KENTON	SOUTH CENTRAL BELL	RSC	0		GIBSON	R	1993	1998	0
184 KINGSTON	SOUTH CENTRAL BELL	2BES	1991	MEDIUM	ROANE	S	1991	1994	1997
185 KNOXVILLE WEST HILLS	SOUTH CENTRAL BELL	1AES	0		KNOX	U	0	0	0
186 KNL BEARDEN	SOUTH CENTRAL BELL	1AES	1996	LARGE	KNOX	U	1991	1996	0
187 KNL FOUNTAIN CITY	SOUTH CENTRAL BELL	1AES	1994	LARGE	KNOX	U	1991	1994	0
188 KNL MAIN OGO	SOUTH CENTRAL BELL	1AES	1992	LARGE	KNOX	U	1991	1992	1995
189 KNL MAIN OGI	SOUTH CENTRAL BELL	1AES	1996	LARGE	KNOX	U	1991	1996	0
190 KNL MAIN DSO	SOUTH CENTRAL BELL	DMS-1/200	0		KNOX	U	1991	1998	1999
191 KNL WEST HILLS DSO	SOUTH CENTRAL BELL	DMS-100	0		KNOX	U	1991	1993	1995
192 KNL YOUNG HIGH OGO	SOUTH CENTRAL BELL	1AES	1995	LARGE	KNOX	U	1991	1995	0
193 LA FOLLETTE	SOUTH CENTRAL BELL	2BES	1991	LARGE	CAMPBELL	R	1991	1994	1999
194 LAKE CITY	SOUTH CENTRAL BELL	RNS	0		ANDERSON	S	1993	1996	0
195 LAWRENCEBURG	SOUTH CENTRAL BELL	2BES	1991	LARGE	LAWRENCE	R	1991	1994	1999

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196 LEBANON	SOUTH CENTRAL BELL	DMS-100	0		WILSON	S	1991	1993	1997
197 LENOIR CITY	SOUTH CENTRAL BELL	DMS-100	0		LOUDON	S	1991	1993	1997
198 LEWISBURG	SOUTH CENTRAL BELL	DMS-100	0		MARSHALL	R	1991	1994	1999
199 LEXINGTON	SOUTH CENTRAL BELL	DMS-10	0		HENDERSON	R	1991	1994	1999
200 LOUDON	SOUTH CENTRAL BELL	RSC	0		LOUDON	S	1992	1994	0
201 LYLES	SOUTH CENTRAL BELL	RNS	0		HICKMAN	R	1993	1995	0
202 LYNCHBURG	SOUTH CENTRAL BELL	RLS4	0		MOORE	R	1992	1995	0
203 LYNNVILLE	SOUTH CENTRAL BELL	RSC	0		GILES	R	1993	1998	0
204 MADISONVILLE	SOUTH CENTRAL BELL	2BES	1991	MEDIUM	MONROE	R	1991	1994	1999
205 MANCHESTER	SOUTH CENTRAL BELL	DOO	0		COFFEE	R	1992	1995	0
206 MARYVILLE	SOUTH CENTRAL BELL	1AES	1992	LARGE	BLOUNT	S	1991	1993	1997
207 MASOOT	SOUTH CENTRAL BELL	5ESS	0		KNOX	U	1991	1998	0
208 MAYNARDVILLE	SOUTH CENTRAL BELL	DMS-10	0		UNION	S	1991	1994	1997
209 MCDEMEN	SOUTH CENTRAL BELL	RLS4	0		HUMPHREYS	R	1993	1995	0
210 MCKENZIE	SOUTH CENTRAL BELL	RNS	0		CARROLL	R	1993	1994	0
211 MEDINA	SOUTH CENTRAL BELL	RNS	0		GIBSON	R	1993	1996	0
212 MEMPHIS OAKVILLE OS1	SOUTH CENTRAL BELL	AXE-10	1991	DMS-100	SHELBY	U	1991	1992	0
213 MERCER	SOUTH CENTRAL BELL	10ARSS	1993	REMOTE	MADISON	S	1993	2000	0
214 MIDDLETON	SOUTH CENTRAL BELL	RNS	0		HARDMAN	R	1992	1995	0
215 MILAN	SOUTH CENTRAL BELL	RNS	0		GIBSON	R	1992	1994	1999
216 MPH BARTLETT	SOUTH CENTRAL BELL	1AES	1993	LARGE	SHELBY	U	1988	1993	1995
217 MPH CHEROKEE	SOUTH CENTRAL BELL	DMS-100	0		SHELBY	U	1989	1992	0
218 MPH CHICKASAW	SOUTH CENTRAL BELL	1AES	1996	LARGE	SHELBY	U	1988	1996	0
219 MPH EASTLAND	SOUTH CENTRAL BELL	1AES	1994	LARGE	SHELBY	U	1988	1994	1995
220 MPH FRAYSER	SOUTH CENTRAL BELL	1AES	1997	LARGE	SHELBY	U	1988	1997	0
221 MPH GERMANTOWN	SOUTH CENTRAL BELL	5ESS	0		SHELBY	U	1989	1992	1996
222 MPH HUMPHREYS	SOUTH CENTRAL BELL	5RSM	0		SHELBY	U	1989	1992	0
223 MPH MAIN OGO	SOUTH CENTRAL BELL	1AES	1998	LARGE	SHELBY	U	1988	1998	1998
224 MPH MAIN OG1	SOUTH CENTRAL BELL	1AES	1997	LARGE	SHELBY	U	1988	1997	0
225 MPH MAIN DSO	SOUTH CENTRAL BELL	DMS-1/200	0		SHELBY	U	1989	1992	0
226 MPH MIDTOWN	SOUTH CENTRAL BELL	1AES	1996	LARGE	SHELBY	U	1989	1996	0
227 MPH OAKVILLE OGO	SOUTH CENTRAL BELL	1AES	1992	LARGE	SHELBY	U	1988	1992	1995
228 MPH OAKVILLE RS5	SOUTH CENTRAL BELL	RL0M	0		SHELBY	U	1989	1992	0

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229 MPH SOUTHLAND	SOUTH CENTRAL BELL	1AES	1995	LARGE	SHELBY	U	1988	1995	0
230 MPH SOUTHLAND RS5	SOUTH CENTRAL BELL	RL0M	0		SHELBY	U	1989	1992	0
231 MPH SOUTHSIDE	SOUTH CENTRAL BELL	1AES	1997	LARGE	SHELBY	U	1988	1997	0
232 MPH SOUTHWIND	SOUTH CENTRAL BELL	RSC	0		SHELBY	U	1988	1998	0
233 MPH WESTWOOD	SOUTH CENTRAL BELL	1AES	1996	LARGE	SHELBY	U	1988	1998	0
234 MORRISTOWN	SOUTH CENTRAL BELL	5ESS	0		HAMBLETON	S	1991	1993	1997
235 MOSCOW	SOUTH CENTRAL BELL	RNS	0		FAYETTE	S	1993	1996	0
236 MOUNT PLEASANT	SOUTH CENTRAL BELL	RSC	0		MAURY	R	1993	1995	0
237 MURFREESBORO	SOUTH CENTRAL BELL	5ESS	0		RUTHERFORD	S	1991	1993	1997
238 NEWBURN	SOUTH CENTRAL BELL	RSC	0		DYER	R	1993	1996	0
239 NEWPORT	SOUTH CENTRAL BELL	2BES	1991	MEDIUM	COOKE	R	1991	1994	1999
240 NORRIS	SOUTH CENTRAL BELL	RLS4	0		ANDERSON	S	1993	1997	0
241 NSVL AIRPORT	SOUTH CENTRAL BELL	1AES	1996	LARGE	DAVIDSON	U	1990	1997	0
242 NSVL AIRPORT AUTH	SOUTH CENTRAL BELL	RSC	0		DAVIDSON	U	1990	1991	0
243 NSVL BELLEVUE	SOUTH CENTRAL BELL	5ESS	0		DAVIDSON	U	1990	1991	0
244 NSVL BRENTWOOD	SOUTH CENTRAL BELL	5ESS	0		DAVIDSON	U	1990	1991	0
245 NSVL CKRL BEND	SOUTH CENTRAL BELL	RSC	0		DAVIDSON	U	1990	1991	0
246 NSVL ORTIEVE HALL	SOUTH CENTRAL BELL	5ESS	0		DAVIDSON	U	1990	1991	1995
247 NSVL DONELSON	SOUTH CENTRAL BELL	5ESS	0		DAVIDSON	U	1990	1991	1995
248 NSVL GREEN HILLS	SOUTH CENTRAL BELL	RSC	0		DAVIDSON	U	1990	1991	0
249 NSVL HICK HOLLOW	SOUTH CENTRAL BELL	50RM	0		DAVIDSON	U	1990	1991	0
250 NSVL INGLEWOOD	SOUTH CENTRAL BELL	1AES	1996	LARGE	DAVIDSON	U	1990	1996	0
251 NSVL MADISON	SOUTH CENTRAL BELL	5ESS	0		DAVIDSON	U	1990	1991	0
252 NSVL MAIN 031	SOUTH CENTRAL BELL	1AES	1994	LARGE	DAVIDSON	U	1990	1997	1999
253 NSVL MAIN 032	SOUTH CENTRAL BELL	1AES	1995	LARGE	DAVIDSON	U	1990	1996	1995
254 NSVL MAIN D50	SOUTH CENTRAL BELL	DMS-200	0		DAVIDSON	U	1990	0	0
255 NSVL MAIN D51	SOUTH CENTRAL BELL	DMS-100	0		DAVIDSON	U	1990	1991	1998
256 NSVL MAIN D52	SOUTH CENTRAL BELL	DMS-200	0		DAVIDSON	U	1990	0	0
257 NSVL SHARONDALE	SOUTH CENTRAL BELL	1AES	1995	LARGE	DAVIDSON	U	1990	1995	1995
258 NSVL UNIVERSITY	SOUTH CENTRAL BELL	1AES	1998	LARGE	DAVIDSON	U	1990	1998	0
259 NSVL WEST MEADE	SOUTH CENTRAL BELL	DMS-100	0		DAVIDSON	U	1990	1991	0
260 NSVL WHITES CREEK	SOUTH CENTRAL BELL	5ESS	0		DAVIDSON	U	1990	1991	0
261 OAK RIDGE	SOUTH CENTRAL BELL	1AES	1993	LARGE	ANDERSON	S	1991	1993	1997

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LOCATION	COMPANY	EXISTING SWITCH	BASELINE REPLACE YEAR	PLANNED REPLACEMENT SWITCH	COUNTY	COUNTY CLASS	SS7 DATE	ISDN DATE	B8 DATE
262 OLD HICKORY	SOUTH CENTRAL BELL	5PSM	0		DAVIDSON	U	1990	1998	0
263 OLIVER SPRINGS	SOUTH CENTRAL BELL	DMS-10	0		ANDERSON	S	1993	1995	0
264 PALMYRA	SOUTH CENTRAL BELL	DMS-10	0		MONTGOMERY	S	1993	1996	0
265 PARIS	SOUTH CENTRAL BELL	DOO	0		HENRY	R	1992	1994	1999
266 PETERSBURG MAIN	SOUTH CENTRAL BELL	RNS	0		LINCOLN	R	1993	1995	0
267 PINSON	SOUTH CENTRAL BELL	10APSS	1993	RENOTE	MADISON	S	1993	1999	0
268 PLEASANT VIEW	SOUTH CENTRAL BELL	DMS-10	0		CHEATHAM	S	1992	1994	0
269 PORTLAND	SOUTH CENTRAL BELL	5PSM	0		SUMNER	S	1993	1995	0
270 PULASKI	SOUTH CENTRAL BELL	2BES	1991	LARGE	GILES	R	1991	1994	1999
271 RIDGELY	SOUTH CENTRAL BELL	RSC	0		LAKE	R	1993	1995	0
272 RIPLEY	SOUTH CENTRAL BELL	5ESS	0		LAUDERDALE	R	1991	1994	1999
273 ROCKWOOD	SOUTH CENTRAL BELL	RNS	0		ROANE	S	1993	1995	0
274 ROGERSVILLE	SOUTH CENTRAL BELL	DOO	0		HAWKINS	R	1992	1994	1999
275 SANGO	SOUTH CENTRAL BELL	5PSM	0		MONTGOMERY	S	1993	1997	0
276 SANTA FE	SOUTH CENTRAL BELL	RSC	0		MAURY	R	1993	1997	0
277 SAVANNAH	SOUTH CENTRAL BELL	2BES	1991	MEDIUM	HARDIN	R	1991	1994	1999
278 SELMER	SOUTH CENTRAL BELL	DOO	0		MONAIREY	R	1992	1994	1999
279 SEVIERVILLE	SOUTH CENTRAL BELL	DMS-100	0		SEVIER	S	1991	1993	1997
280 SEAWEE	SOUTH CENTRAL BELL	RNS	0		FRANKLIN	R	1993	1995	0
281 SHELBYVILLE	SOUTH CENTRAL BELL	5ESS	0		BEDFORD	R	1991	1994	1999
282 SMYRNA	SOUTH CENTRAL BELL	DMS-100	0		RUTHERFORD	S	1992	1994	0
283 SNEEDVILLE	SOUTH CENTRAL BELL	RNS	0		HANCOCK	R	1992	1994	1999
284 SODDY DAISY	SOUTH CENTRAL BELL	5PSM	0		HAMILTON	U	1991	1998	0
285 SOMERVILLE	SOUTH CENTRAL BELL	5ESS	0		FAYETTE	S	1991	1993	1997
286 SOUTH PITTSBURG	SOUTH CENTRAL BELL	RLS4	0		MARION	S	1992	1994	0
287 SPRING CITY	SOUTH CENTRAL BELL	RNS	0		RHEA	S	1992	1994	0
288 SPRING HILL	SOUTH CENTRAL BELL	DMS-10	0		MAURY	R	1993	1996	0
289 SPRINGFIELD	SOUTH CENTRAL BELL	DMS-100	0		ROBERTSON	S	1991	1993	1997
290 SUMMERTOWN	SOUTH CENTRAL BELL	RSC	0		LAWRENCE	R	1993	1998	0
291 SURGOINSVILLE	SOUTH CENTRAL BELL	RNS	0		HAWKINS	R	1993	1997	0
292 SWEETWATER	SOUTH CENTRAL BELL	DMS-10	0		MONROE	R	1992	1994	0
293 TIPTONVILLE	SOUTH CENTRAL BELL	DMS-10	0		LAKE	R	1991	1994	1999
294 TOWNSEND	SOUTH CENTRAL BELL	DMS-10	0		BLOUNT	S	1993	1999	0

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295 TRENTON	SOUTH CENTRAL BELL	DOO	0		GIBSON	R	1993	1995	0
296 TRIUNE	SOUTH CENTRAL BELL	RSC	0		WILLIAMSON	S	1990	1998	0
297 TROY	SOUTH CENTRAL BELL	RSC	0		OBION	R	1993	1995	0
298 TULLAHOVA	SOUTH CENTRAL BELL	2BES	1991	LARGE	COFFEE	R	1991	1994	1999
299 UNION CITY	SOUTH CENTRAL BELL	DMS-100	0		OBION	R	1991	1994	1999
300 VANLEER	SOUTH CENTRAL BELL	10APSS	1997	REMOTE	DICKSON	R	1993	1998	0
301 WARTRACE	SOUTH CENTRAL BELL	5RSM	0		BEDFORD	R	1993	1996	0
302 WATERTOWN	SOUTH CENTRAL BELL	RSC	0		WILSON	S	1993	1998	0
303 WAYERLY	SOUTH CENTRAL BELL	2BES	1991	MEDIUM	HUMPHREYS	R	1991	1994	1999
304 WHITE BLUFF	SOUTH CENTRAL BELL	DOO	0		DICKSON	R	1993	1995	0
305 WHITE HOUSE	SOUTH CENTRAL BELL	DOO	0		ROBERTSON	S	1992	1994	0
306 WHITE PINE	SOUTH CENTRAL BELL	RNS	0		JEFFERSON	S	1993	1996	0
307 WHITEVILLE	SOUTH CENTRAL BELL	RNS	0		HARDMAN	R	1993	1997	0
308 WHITWELL	SOUTH CENTRAL BELL	RLS4	0		MARION	S	1993	1995	0
309 WILLIAMSPORT	SOUTH CENTRAL BELL	RLDM	0		MAURY	R	1993	2000	0
310 WINCHESTER	SOUTH CENTRAL BELL	2BES	1991	LARGE	FRANKLIN	R	1991	1994	1999
311 BALL PLAY	TELLICO TEL. CO., INC.	RLS	0		POLK	R	1993	1998	0
312 COKER CREEK	TELLICO TEL. CO., INC.	RLS	0		MONROE	R	1993	1999	0
313 ENGLEWOOD	TELLICO TEL. CO., INC.	DOO	0		MCMINN	R	1993	1996	0
314 NIOTA	TELLICO TEL. CO., INC.	NX-2A	1992	DOO	MCMINN	R	1993	1997	0
315 RICEVILLE	TELLICO TEL. CO., INC.	XY	1992	DOO	MCMINN	R	1993	1999	0
316 TELLICO PLAINS	TELLICO TEL. CO., INC.	DOO	0		MONROE	R	1993	1996	0
317 VONDRE	TELLICO TEL. CO., INC.	DOO	0		MONROE	R	1993	1997	0
318 BRUCETON	TENNESSEE TEL. CO.	DMS-10	0		CARROLL	R	1991	1995	0
319 CLIFTON	TENNESSEE TEL. CO.	REM	0		WAYNE	R	1993	1997	0
320 COLLINWOOD	TENNESSEE TEL. CO.	DMS-10	0		WAYNE	R	1992	1995	0
321 CORNERSVILLE	TENNESSEE TEL. CO.	NEAX61K	1993	REMOTE	MARSHALL	R	1993	1997	0
322 DECATURVILLE	TENNESSEE TEL. CO.	DMS-10	0		DECATUR	R	1993	1996	0
323 HALLS CROSS ROADS	TENNESSEE TEL. CO.	NEAX61K	1991	LARGE	KNOX	U	1991	1998	0
324 LAVERGNE	TENNESSEE TEL. CO.	NEAX61E	0		RUTHERFORD	S	1993	1996	0
325 LINDEN	TENNESSEE TEL. CO.	DMS-10	0		PERRY	R	1991	1994	1999
326 LOBELVILLE	TENNESSEE TEL. CO.	DMS-10	0		PERRY	R	1992	1995	0
327 MT. JULIET	TENNESSEE TEL. CO.	NEAX61E	0		WILSON	S	1992	1994	0

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LOCATION	COMPANY	EXISTING SWITCH	BASELINE REPLACE YEAR	PLANNED REPLACEMENT SWITCH	COUNTY	COUNTY CLASS	SS7 DATE	ISDN DATE	B8 DATE
328 PARSONS	TENNESSEE TEL. CO.	DMS-10	0		DECATUR	R	1991	1994	1999
329 SAROIS	TENNESSEE TEL. CO.	RLDM	0		HENDERSON	R	1993	1998	0
330 SCOTTS HILL	TENNESSEE TEL. CO.	DMS-10	0		DECATUR	R	1993	1995	0
331 WAYNESBORO	TENNESSEE TEL. CO.	DMS-10	0		WAYNE	R	1991	1994	1999
332 BAXTER	TWIN LAKES TEL. COOP.	RMS	0		PUTNAM	R	1991	1995	0
333 BYRDSTOWN	TWIN LAKES TEL. COOP.	RLS4	0		PICKETT	R	1991	1994	1999
334 CELINA	TWIN LAKES TEL. COOP.	RMS	0		CLAY	R	1991	1994	1999
335 CHESTNUT MOUND	TWIN LAKES TEL. COOP.	RLS	0		SMITH	R	1991	1994	1999
336 CLARKRANGE	TWIN LAKES TEL. COOP.	DSS-1210	0		FENTRESS	R	1991	1996	0
337 COOKEVILLE SOUTH	TWIN LAKES TEL. COOP.	RMS	0		PUTNAM	R	1991	1997	0
338 CRAWFORD	TWIN LAKES TEL. COOP.	RLS	0		OVERTON	R	1991	1997	0
339 GAINESBORO	TWIN LAKES TEL. COOP.	DOO	0		JACKSON	R	1991	1994	1999
340 GRANVILLE	TWIN LAKES TEL. COOP.	RLS	0		JACKSON	R	1991	1997	0
341 HIGHLAND	TWIN LAKES TEL. COOP.	RLS	0		JACKSON	R	1991	1996	0
342 JAMESTOWN	TWIN LAKES TEL. COOP.	DSS-1210	1994	MEDIUM	FENTRESS	R	1991	1994	1999
343 LIVINGSTON	TWIN LAKES TEL. COOP.	DOO	0		OVERTON	R	1991	1994	1999
344 MOSS	TWIN LAKES TEL. COOP.	RMS	0		CLAY	R	1991	1995	1999
345 NORTH SPRINGS	TWIN LAKES TEL. COOP.	DOO	0		JACKSON	R	1991	1999	0
346 RICKMAN	TWIN LAKES TEL. COOP.	RLS4	0		OVERTON	R	1991	1996	0
347 BELFAST	UNITED TEL. CO., INC.	DOO	0		MARSHALL	R	1991	1998	0
348 CHAPEL HILL	UNITED TEL. CO., INC.	DOO	0		MARSHALL	R	1993	1995	0
349 COLLEGE GROVE	UNITED TEL. CO., INC.	DOO	0		WILLIAMSON	S	1993	1999	0
350 ESTILL SPRINGS	UNITED TEL. CO., INC.	DOO	0		FRANKLIN	R	1993	1996	0
351 FLAT CREEK	UNITED TEL. CO., INC.	DOO	0		BEDFORD	R	1993	1999	0
352 FOSTERVILLE	UNITED TEL. CO., INC.	DOO	0		RUTHERFORD	S	1993	2000	0
353 NOLENSVILLE	UNITED TEL. CO., INC.	DOO	0		WILLIAMSON	S	1993	1996	0
354 UNIONVILLE	UNITED TEL. CO., INC.	DOO	0		BEDFORD	R	1993	1997	0
355 BAILEYTON	UNITED TELEPHONE SYSTEM	SRSM	0		GREENE	R	1993	1997	0
356 BLOUNTVILLE	UNITED TELEPHONE SYSTEM	DSS-1210	1991	MEDIUM	SULLIVAN	U	1991	1996	0
357 BLUFF CITY	UNITED TELEPHONE SYSTEM	DMS-10	0		SULLIVAN	U	1991	1997	0
358 BRISTOL	UNITED TELEPHONE SYSTEM	DMS-1000	0		SULLIVAN	U	1991	1994	0
359 BRISTOL SOUTH	UNITED TELEPHONE SYSTEM	NX1-E	1991	RSC	SULLIVAN	U	1991	1998	0
360 BUTLER	UNITED TELEPHONE SYSTEM	RSC	0		JOHNSON	R	1993	1996	0

TEN YEAR MASTER PLAN FOR TECHNOLOGY DEPLOYMENT
BY TELEPHONE COMPANIES

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LOCATION	COMPANY	EXISTING SWITCH	BASELINE REPLACE YEAR	PLANNED REPLACEMENT SWITCH	COUNTY	COUNTY CLASS	SS7 DATE	ISDN DATE	BB DATE
361 CHURCH HILL	UNITED TELEPHONE SYSTEM	DSS-1210	1991	MEDIUM	HAWKINS	R	1991	1994	0
362 ELIZABETHTON	UNITED TELEPHONE SYSTEM	DMS-1000	0		CARTER	S	1991	1993	1997
363 ERWIN	UNITED TELEPHONE SYSTEM	DMS-1000	0		UNICOI	R	1991	1994	1999
364 FALL BRANCH	UNITED TELEPHONE SYSTEM	RSC	0		WASHINGTON	S	1991	1997	0
365 GREENVILLE	UNITED TELEPHONE SYSTEM	SESS	0		GREENE	R	1991	1994	1999
366 HAMPTON	UNITED TELEPHONE SYSTEM	RSC	1989	MEDIUM	CARTER	S	1993	1995	0
367 JOHNSON CITY MAIN	UNITED TELEPHONE SYSTEM	DMS-1000	0		WASHINGTON	S	1991	1993	1997
368 JOHNSON CITY NORTH	UNITED TELEPHONE SYSTEM	DMS-1/200	0		WASHINGTON	S	1991	1998	0
369 JONESBORO	UNITED TELEPHONE SYSTEM	DSS-1210	1992	MEDIUM	WASHINGTON	S	1992	1994	0
370 KINGSFORT	UNITED TELEPHONE SYSTEM	DMS-1000	0		SULLIVAN	U	1991	1992	1995
371 KINGSFORT EAST	UNITED TELEPHONE SYSTEM	RSC	0		SULLIVAN	U	1991	1997	0
372 LIMESTONE	UNITED TELEPHONE SYSTEM	DMS-10	0		WASHINGTON	S	1993	1995	0
373 MIDWAY	UNITED TELEPHONE SYSTEM	DSS-1210	1991	LARGE	SULLIVAN	U	1991	1995	0
374 MOSHEIM	UNITED TELEPHONE SYSTEM	SRSM	0		GREENE	R	1993	1995	0
375 MOUNTAIN CITY	UNITED TELEPHONE SYSTEM	NX1-E	1991	DMS-100	JOHNSON	R	1991	1994	1999
376 ROAN MOUNTAIN	UNITED TELEPHONE SYSTEM	RSC	0		CARTER	S	1993	1996	0
377 STONEY CREEK	UNITED TELEPHONE SYSTEM	RSC	0		WASHINGTON	S	1993	1996	0
378 SULLIVAN GARDENS	UNITED TELEPHONE SYSTEM	RSC	0		SULLIVAN	U	1991	1998	0
379 COTTAGE GROVE	W. KY. RU. TEL. COOP.	RNS	0		HENRY	R	1993	1997	0
380 CYPRESS	W. KY. RU. TEL. COOP.	RNS	0		HENRY	R	1993	1999	0
381 PURYEAR	W. KY. RU. TEL. COOP.	RNS	0		HENRY	R	1993	1996	0
382 ATWOOD	W. TENNESSEE TEL. CO.	XY	1991	RNS	CARROLL	R	1993	1997	0
383 BRADFORD	W. TENNESSEE TEL. CO.	DCO	0		GIBSON	R	1993	1995	0
384 RUTHERFORD	W. TENNESSEE TEL. CO.	XY	1991	RNS	GIBSON	R	1991	1996	0
385 TREZEVANT	W. TENNESSEE TEL. CO.	RLS	0		CARROLL	R	1993	1998	0
386 BRAZIL	YORKVILLE TEL. COOP.	DMS-10	0		GIBSON	R	1991	1997	0
387 MASON HALL	YORKVILLE TEL. COOP.	DMS-10	0		OBION	R	1993	1999	0
388 TRIMBLE	YORKVILLE TEL. COOP.	DMS-10	0		DYER	R	1993	2000	0
389 YORKVILLE	YORKVILLE TEL. COOP.	DMS-10	0		GIBSON	R	1991	1999	0

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(3) Tennessee Regulatory Authority Telecommunications Technology Deployment Plan, Network Switch Cost Database.

SWITCH	TYPE	ARCH	IN_C	IN_E	IN_OVAL	IN_CTNK	GN_C	C_NAL	C_TNK	C_QCS	SST_Y	C_SSTC	C_SSTE	E_SSTNK	ISDN_Y	C_ISDN	C_ISDNE	BB_Y	C_BBC	C_BEC
1 1AES	S	S	0	0	0	0	11760	169	963	35	1989	743748	564600	31	0	0	0	0	0	0
2 2BES	S	S	0	0	0	0	9520	175	868	34	0	0	0	0	0	0	0	0	0	0
3 10AESS	S	R	0	0	0	0	4200	154	0	79	0	0	0	0	0	0	0	0	0	0
4 5ESS	D	S	1625000	250000	162	372	2240	187	400	0	1989	762200	1013600	31	1991	200000	80000	1995	250000	100000
5 5ESS	D	R	182000	137080	123	106	2240	138	117	0	1989	0	0	0	1991	50000	0	1995	100000	0
6 50RM	D	R	200000	137080	123	0	2240	138	0	0	1990	0	0	0	1991	50000	0	1995	100000	0
7 DMS-10	D	S	400000	75000	150	250	2839	151	237	0	1991	100000	113600	31	1994	50000	50000	1997	100000	100000
8 DMS-100	D	S	1125000	250000	174	256	24476	189	251	0	1989	184200	381600	31	1991	350000	80000	1995	250000	100000
9 REC	D	R	275000	0	166	65	8313	163	65	0	1989	0	0	0	1991	50000	0	1995	100000	0
10 RLOM	D	R	0	0	0	0	9207	141	0	0	1989	0	0	0	1991	50000	0	1995	100000	0
11 DOO	D	S	225000	12000	175	0	3248	181	114	0	1992	117200	73600	47	1994	50000	50000	1997	100000	100000
12 RNS	D	S	200000	12000	175	0	3248	181	114	0	1992	117200	13600	47	1994	50000	50000	1997	100000	100000
13 RLS	D	R	140000	0	0	0	3248	148	52	0	1992	0	0	0	1994	50000	0	1997	100000	0
14 LARGE	D	S	1313000	250000	161	315	26807	189	326	0	1989	184200	381600	31	1991	275000	80000	1995	250000	100000
15 LRS4	D	R	160000	0	110	0	3248	148	52	0	1992	0	0	0	1994	50000	0	1997	100000	0
16 MEDIUM	D	S	337500	55000	135	136	3300	166	175	0	1992	100000	113600	31	1994	50000	50000	1997	100000	100000
17 RE-MTE	D	R	175500	110000	136	1620	4340	150	78	0	1989	0	0	0	1991	50000	0	1997	100000	0
18 DMS-1/200	D	S	1125000	250000	174	256	24476	189	251	0	1989	184200	381600	31	1991	350000	80000	1995	250000	100000
19 RRM	D	R	175500	110000	136	1620	4340	150	78	0	1992	0	0	0	1994	50000	0	1997	100000	0
20 ITS-5	D	S	337500	55000	135	138	3300	166	175	0	1991	100000	113600	31	1991	50000	50000	1997	100000	100000
21 DSS-1210	D	S	337500	55000	135	138	3300	166	175	0	0	0	0	0	0	0	0	0	0	0
22 NX-2A	S	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 NEAX61K	D	S	0	0	0	0	3300	166	175	0	0	0	0	0	0	0	0	0	0	0
24 NEAX61E	D	S	337500	55000	135	138	3300	166	175	0	1989	100000	113600	31	1991	275000	80000	1995	100000	100000
25 NX1-E	S	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 TCS-5	S	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 OFDM	D	R	0	0	0	0	0	150	0	0	1989	0	0	0	1991	50000	0	1995	100000	0
28 RLSE	D	R	0	0	0	0	0	150	0	0	1989	0	0	0	1991	50000	0	1995	100000	0
29 DMS-200	D	S	1125000	250000	174	256	24476	0	251	0	1989	358623	191400	31	1991	350000	80000	1995	250000	100000
30 XY	S	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 SXS-AE	S	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 SXS-K	S	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 SXS-J	S	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 SXS	S	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 DMS-100U	D	S	1125000	250000	174	256	24476	189	251	0	1989	884200	381600	31	1991	350000	80000	1995	250000	100000
36 DMS-1/2U	D	S	1125000	250000	174	256	24476	189	251	0	1989	884200	381600	31	1991	350000	80000	1995	250000	100000

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