

Regulations, Rates And Charges
applying to the provision of Access Services
within a Local Access and Transport Area (LATA)
for connection to interstate communications
and for interstate intraLATA facilities
for customers within the operating
territory of

THE AMERITECH OPERATING COMPANIES

Illinois, Indiana,
Michigan, Ohio and
Wisconsin

The original tariff became effective July 12, 1986.

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(D)

Access Services are provided by means of wire, fiber optics, radio or any other suitable technology or a combination thereof.

Issuing Officer:

Kristen Shore
Executive Director - Regulatory

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(This page filed under Transmittal No. 1843)

ISSUING CARRIERS

	Company Code
Illinois Bell Telephone Company 225 West Randolph St., Chicago, Illinois 60606 For the State of: Illinois	9329
Indiana Bell Telephone Company, Incorporated 240 N. Meridian St., Indianapolis, Indiana 46204 For the State of: Indiana	9325
Michigan Bell Telephone Company 444 Michigan Ave., Detroit, Michigan 48226 For the State of: Michigan	9323
The Ohio Bell Telephone Company 45 Erieview Plaza, Cleveland, Ohio 44114 For the State of: Ohio	9321
Wisconsin Bell, Inc. 722 N. Broadway, Milwaukee, Wisconsin 53202 For the State of: Wisconsin	9327

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(This page filed under Transmittal No. 1823)

Title pages 1 and 2 and pages 1 to 846 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement No. 341 contain all changes from the original tariff that are in effect on the date hereof.

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
Title 1	6th	7	6th	19.3	8th
Title 2	12th	7.1	4th	19.4	1st
1	1683rd*	8	15th	20	10th
1.1	378th	8.1	5th	20.1	5th
1.2	352nd	9	25th	20.2	4th
1.3	295th	9.1	1st	21	4th
1.4	255th	10	28th	22	1st
1.5	242nd	10.1	12th	23	3rd
1.6	211th	10.2	9th	24	1st
1.7	158th	11	4th	25	3rd
1.8	133rd	12	10th	25.1	1st
1.9	158th	13	7th	25.2	1st
1.10	50th	13.1	6th	26	3rd
1.11	62nd	13.2	10th	27	9th
1.12	43rd	13.3	13th	28	11th
1.13	18th	13.4	21st	28.1	5th
1.14	32nd	13.5	37th	29	1st
1.15	70th*	13.6	39th	30	Original
1.15.1	5th	13.7	44th	31	Original
1.16	90th*	13.8	46th	32	Original
1.17	24th	13.8.1	30th	33	Original
1.18	33rd	13.9	5th	34	4th
1.19	45th	14	3rd	34.1	1st
1.20	44th	15	16th	35	5th
1.21	45th	15.1	11th	35.1	1st
1.22	47th	15.2	1st	36	9th
1.23	41st	16	12th	36.1	7th
1.24	38th	16.1	11th	37	14th
1.25	26th	16.1.1	Original	37.1	4th
1.26	2nd	16.2	9th	37.2	7th
2	6th	16.3	2nd	37.3	6th
3	9th	16.4	3rd	37.4	1st
3.1	15th	16.5	Original	37.5	2nd
4	18th	16.6	3rd	38	9th
4.1	10th	16.7	3rd	38.1	11th
5	19th	17	1st	38.2	6th
5.1	20th	18	6th	38.2.1	3rd
5.2	5th	19	27th	38.3	4th
6	5th	19.1	13th	38.4	4th
6.1	6th	19.2	15th		
6.2	6th				

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Issuing Officer: Kristen Shore, Executive Director - Regulatory
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39.1	7th	56.1.1	2nd	70.8	2nd
39.1.1	1st	56.2	2nd	70.9	1st
39.2	4th	56.3	2nd	70.10	1st
40	6th	56.4	1st	70.11	2nd
40.1	4th	56.5	1st	70.12	2nd
40.2	4th	57	7th	70.13	3rd
40.3	1st	58	1st	70.14	1st
40.4	1st	59	20th	70.15	6th
41	4th	59.1	12th	70.16	5th
42	5th	59.1.1	2nd	70.17	4th
42.1	1st	59.2	11th	70.18	3rd
43	2nd	59.3	7th	70.18.1	3rd
44	9th	60	13th	70.19	4th
45	6th	60.1	Original	70.20	1st
45.1	3rd	61	15th*	70.21	2nd
45.2	3rd	61.1	14th	70.22	3rd
46	12th	61.2	2nd	70.23	5th
47	14th	62	7th	70.24	62nd
47.1	3rd	63	9th	70.24.1	11th
48	5th	64	11th	70.24.2	10th
49	12th	64.1	6th	70.24.3	11th
49.1	15th	65	7th	70.24.4	11th
50	14th	65.1	9th	70.25	29th
50.1	5th	66	13th	70.25.1	11th
50.2	7th	66.1	9th*	71	1st
50.2.1	6th	66.1.1	Original	72	3rd
50.2.2	Original	67	21st	73	5th
50.3	6th	67.1	10th	74	7th
50.4	2nd	68	23rd	74.1	Original
50.5	3rd	68.1	19th	75	7th
50.6	Original	68.2	4th	75.1	5th
51	2nd	69	12th	75.2	5th
52	1st	69.1	6th	75.2.1	Original
53	7th	70	9th	75.3	13th
53.1	7th	70.1	1st	75.4	4th
53.2	6th	70.2	3rd	75.5	55th
53.3	9th	70.2.1	5th		
54	8th	70.2.2	1st		
54.1	15th	70.3	4th		
54.2	1st	70.4	5th		
55	2nd	70.5	2nd		
55.1	Original	70.6	1st		
55.2	1st				
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76	60th*	87	6th	111.1.3	2nd
77	52nd*	88	9th	112	7th
78	51st*	89	5th	112.1	4th
79	53rd*	89.1	14th	112.1.1	2nd
80	52nd*	89.2	16th	112.1.2	2nd
80.1	10th	90	12th	112.2	4th
80.1.1	10th	90.1	7th	113	12th
80.1.2	Original	90.1.1	Original	113.1	11th
80.2	4th	90.1.2	Original	113.1.1	3rd
80.3	4th	90.2	3rd	113.2	1st
80.4	4th	91	11th	113.3	1st
80.5	13th	92	5th	113.4	1st
80.6	13th	92.1	3rd	113.5	1st
80.7	62nd*	93	14th	114	6th
80.7.1	62nd*	94	16th	115	10th
80.7.2	62nd*	95	12th	115.1	6th
80.7.3	62nd*	95.1	13th	115.2	4th
80.7.4	62nd*	95.1.1	5th	116	15th
81	7th	96	7th	116.1	4th
81.1	4th	96.1	5th	116.2	2nd
82	5th	96.1.1	1st	116.3	4th
82.1	4th	96.1.2	Original	117	6th
83	12th	96.2	5th	117.1	9th
83.1	4th	96.3	4th	117.2	4th
84	19th	96.4	5th	117.3	5th
84.1	9th	96.5	4th	117.4	4th
84.1.1	6th	96.6	4th	117.5	3rd
84.1.1.1	3rd	97	8th	117.6	5th
84.1.2	7th	98	15th	117.7	3rd
84.1.3	Original	99	4th	117.8	1st
84.1.4	Original	99.1	Original	118	9th
84.1.5	Original	100	Original	119	14th
84.1.6	Original	101	Original	119.1	10th
84.2	8th	102	Original	120	3rd
84.2.1	4th	103	Original	120.1	4th
84.3	1st	104	3rd	120.2	2nd
84.4	4th	105	Original	120.3	2nd
84.4.1	4th	106	Original	120.4	1st
84.4.1.1	1st	107	1st	120.5	1st
84.4.1.2	Original	108	Original	121	8th
84.4.2	3rd	109	1st	121.1	3rd
84.5	2nd	110	6th	121.2	1st
84.6	7th	110.1	4th	121.3	6th
85	12th	111	8th	121.4	2nd
85.1	6th	111.1	2nd	121.5	3rd
85.2	3rd	111.1.1	2nd	121.6	Original
85.3	2nd	111.1.2	3rd		
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122.1	Original	135.1	Original	163	18th
123	4th	136	8th	163.1	11th
124	3rd	136.1	1st	163.2	2nd
125	2nd	137	9th	163.3	1st
126	2nd	137.1	4th	163.4	3rd
127	3rd	138	7th	163.5	5th
128	5th	139	2nd	163.6	7th
128.1	3rd	140	6th	163.7	9th
128.2	1st	141	7th	163.7.1	2nd
128.3	1st	141.1	1st	163.7.2	Original
129	6th	142	3rd	163.8	5th
130	8th	143	9th	164	8th
131	8th	144	8th	165	7th
131.1	5th	145	11th	166	11th
131.2	Original	146	4th	166.1	4th
132	3rd	147	5th	166.1.1	4th
132.1	16th*	148	5th	166.2	2nd
132.1.1	15th*	149	11th	166.3	7th
132.1.2	1st	149.1	3rd	166.4	11th
132.2	10th	150	3rd	166.4.1	3rd
132.2.1	7th	151	10th	166.4.2	4th
132.2.2	Original	152	15th	166.4.3	4th
132.3	11th	152.1	11th	166.4.4	3rd
132.3.1	2nd	152.2	2nd	166.5	2nd
132.3.2	4th	153	9th	166.6	2nd
132.4	6th	153.1	7th*	167	6th
132.5	5th	154	19th	167.1	4th
132.6	4th	154.1	12th	168	2nd
132.7	4th	155	5th*	169	4th
132.7.1	2nd	156	6th	169.1	1st
132.8	3rd	157	15th		
132.8.1	2nd	157.1	10th		
132.9	1st	158	10th		
132.9.1	Original	158.1	2nd		
132.9.2	Original	159	7th		
132.9.3	Original	159.1	5th		
133	11th	160	5th		
133.1	4th	161	7th		
134	4th	162	12th		
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171	1st	180.8	2nd	199.1	1st	216.2	3rd
171.1	6th	180.8.1	8th	200	10th	217	7th
172	5th	180.8.1.1	2nd	200.1	3rd	218	11th
172.1	4th	180.8.1.2	3rd	201	4th	219	10th
173	8th	180.8.1.3	2nd	202	6th		
173.1	11th	180.8.1.4	2nd	203	7th		
173.2	2nd	180.8.1.5	2nd	204	10th		
174	14th	180.8.1.6	2nd	204.1	6th		
174.1	6th	180.8.1.7	2nd	205	10th		
174.1.1	5th	180.8.1.8	3rd	205.1	3rd		
174.1.2	7th	180.8.1.9	3rd	206	12th		
174.1.3	5th	180.8.2	2nd	206.1	3rd		
174.2	6th	180.8.2.1	1st	206.2	1st		
175	6th	180.8.3	1st	207	54th*		
175.1	13th	180.8.3.1	6th	207.1	27th*		
175.2	9th	180.8.3.2	1st	207.1.1	13th		
175.2.1	3rd	180.9	8th	207.1.1.1	13th*		
175.3	6th	180.9.1	5th	207.1.2	5th		
175.3.1	1st	180.9.2	Original	207.1.3	Original		
176	13th	180.9.3	Original	207.2	8th		
176.1	13th	180.10	1st	208	18th		
176.2	21st	181	12th	209	17th		
176.3	11th	182	7th	209.1	5th		
176.3.1	5th	183	6th	209.2	4th		
176.3.2	3rd	184	4th	210	10th		
176.3.3	3rd	185	4th	211	23rd*		
176.4	9th	186	4th	211.1	8th*		
177	9th	187	3rd	211.2	7th*		
178	4th	188	3rd	212	21st		
179	9th	189	4th	213	19th		
180	9th	190	8th	213.1	34th		
180.1	3rd	191	4th	213.1.1	2nd		
180.2	4th	192	4th	213.2	13th		
180.3	6th	193	5th	213.3	14th		
180.4	2nd	194	5th	213.4	5th		
180.5	3rd	195	6th	213.5	2nd		
180.5.1	2nd	196	5th	213.6	1st		
180.6	5th	197	6th	214	68th*		
180.6.1	4th	198	4th	215	27th		
180.6.2	Original	198.1	3rd	216	15th		

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220.1	8th	230.5.1.2	2nd	237.3	5th	261	7th
220.2	11th	230.5.1.3	2nd	238	5th	261.1	3rd
220.3	15th	230.5.1.4	2nd	239	2nd	262	5th
220.4	9th	230.6	9th	240	3rd	263	2nd
220.5	15th	230.6.1	5th	241	8th	264	4th
221	18th	230.6.1.1	Original	242	20th	265	7th
221.1	2nd	230.6.1.2	Original	243	4th	266	7th
222	5th	230.6.1.3	Original	244	27th	267	9th
223	11th	230.6.1.4	Original	244.1	12th*	267.1	5th
224	3rd	230.6.2	4th	245	6th*		
224.1	3rd	230.6.3	1st	246	6th*		
225	19th	230.6.4	1st	247	7th		
225.1	13th	230.6.5	1st	247.1	1st		
225.1.1	2nd	230.6.6	Original	248	10th*		
225.2	5th	230.6.7	Original	249	6th*		
225.3	1st	230.7	3rd	250	3rd		
226	11th	230.8	Original	251	3rd		
227	12th	230.9	Original	252	5th		
228	27th	230.10	Original	253	6th		
229	13th	230.11	Original	254	5th*		
230	8th	230.12	Original	255	7th*		
230.1	13th	230.13	Original	255.1	1st		
230.2	42nd	230.14	Original	256	7th*		
230.2.1	17th	230.15	1st	256.1	Original		
230.2.2	8th	230.16	Original	257	2nd		
230.2.3	10th	231	52nd	258	2nd		
230.2.3.1	5th	231.1	9th	259	8th		
230.2.4	Original	231.2	4th	259.1	4th		
230.2.5	Original	231.3	3rd	259.1.1	5th		
230.2.6	Original	231.4	3rd	259.2	6th		
230.2.7	Original	232	12th	259.3	7th		
230.3	38th	233	11th	259.3.1	4th		
230.3.1	14th	233.1	14th	259.4	2nd		
230.3.2	2nd	234	17th	259.5	8th		
230.4	32nd	234.1	Original	259.6	Original		
230.4.1	16th	235	13th	260	8th		
230.4.2	6th	235.1	1st	260.1	10th		
230.4.3	10th	236	7th	260.1.1	10th		
230.4.4	7th	236.1	Original	260.2	3rd		
230.5	25th	237	4th	260.3	3rd		
230.5.1	17th	237.1	3rd	260.4	2nd		

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268.3	6th	274.1.1.1	15th	281	6th
269	17th	274.1.1.1.1	2nd	281.1	2nd
270	20th	274.1.1.2	11th	282	7th
271	27th	274.1.2	16th	282.1	4th
272	11th	274.1.2.1	2nd	283	4th
272.1	6th	274.1.3	9th	284	4th
272.2	6th	274.2	16th	285	4th
272.3	13th	274.2.1	10th	286	6th
272.4	10th	274.3	10th	286.1	5th
272.4.1	10th	274.3.1	5th	286.2	2nd
272.4.1.1	9th	274.3.1.1	5th	287	5th
272.4.1.2	2nd	274.3.2	7th	287.1	1st
272.4.1.3	2nd	274.3.2.1	9th	288	3rd
272.4.2	8th	274.4	5th	289	3rd
272.4.3	5th	274.5	5th	290	4th
272.5	10th	274.5.1	4th	291	3rd
272.6	5th	274.5.2	4th	292	3rd
273	21st	274.5.3	2nd	293	4th
273.1	11th	274.6	11th	294	5th
273.1.1	8th	274.6.1	9th	295	5th
273.1.1.1	4th	274.6.2	6th	295.1	2nd
273.1.1.2	3rd	274.7	9th	296	13th
273.1.1.3	3rd	274.7.1	10th	296.1	4th
273.1.2	7th	274.7.1.1	2nd	296.1.1	1st
273.1.3	6th	274.7.2	6th	296.2	3rd
273.1.4	3rd	274.7.3	6th	296.3	3rd
273.1.5	5th	274.7.4	3rd	297	17th*
273.2	14th	274.8	4th	297.1	8th
273.2.1	7th	274.9	1st	297.2	8th
273.2.1.1	3rd	274.10	1st	297.3	7th
273.2.2	5th	274.11	2nd	298	12th
273.2.3	6th	274.12	5th	298.1	7th
273.2.4	5th	274.12.1	6th	299	10th
273.2.5	5th	274.12.1.2	4th	299.1	7th
273.3	12th	274.12.1.3	4th	299.1.1	2nd
273.3.1	6th	274.12.1.4	4th	299.2	2nd
273.3.2	5th	274.12.2	2nd	300	12th
273.3.3	2nd	274.12.3	2nd	300.1	19th
273.4	10th	274.12.4	3rd	300.1.1	11th
273.5	12th	274.12.5	5th	300.2	9th
273.5.1	3rd	274.12.6	5th	300.3	4th
273.5.2	3rd	274.12.7	2nd	300.4	8th
273.5.3	3rd	275	9th	300.5	2nd
273.5.4	2nd	276	11th	300.6	2nd
273.5.5	2nd	276.1	7th	300.7	7th
273.5.6	4th	277	7th		
273.6	12th	277.1	6th		

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300.9.1	5th	309.5	16th	309.17.1	1st
300.9.2	5th	309.6	12th	309.18	2nd
300.9.3	5th	309.6.1	8th	309.19	3rd
300.9.4	5th	309.7	13th	309.20	1st
300.10	6th	309.7.1	12th	309.21	1st
300.11	6th	309.7.2	3rd	310	31st*
300.12	6th	309.8	6th	311	13th
300.13	8th	309.9	6th	312	14th
301	2nd	309.10	4th	312.1	1st
302	1st	309.11	4th	313	11th
303	12th	309.12	13th	314	11th
303.1	3rd	309.12.1	3rd	315	29th
304	25th	309.12.2	1st	316	13th
304.1	Original	309.12.3	2nd	317	14th
305	6th	309.12.4	1st	317.1	1st
305.1	4th	309.12.5	1st	318	13th
306	9th	309.12.6	1st	319	10th
306.1	4th	309.12.7	1st	320	57th
307	6th	309.12.8	2nd	321	28th
308	23rd	309.12.9	1st	322	13th
308.1	11th	309.12.10	2nd	323	23rd
309	55th	309.12.11	2nd	324	27th
309.1	42nd	309.12.11.1	1st	325	25th
309.1.1	29th	309.12.12	2nd	326	27th
309.1.1.1	15th	309.12.12.1	1st	326.1	29th
309.1.1.2	16th	309.12.13	2nd	327	14th
309.1.2	32nd	309.12.14	1st	328	12th
309.1.3	14th	309.12.15	1st	329	10th
309.2	32nd	309.12.16	1st	330	13th
309.2.1	31st	309.12.17	1st	331	12th
309.2.2	13th	309.12.18	1st	332	10th
309.2.3	14th	309.12.19	1st	333	12th
309.2.4	13th	309.12.20	1st	333.1	2nd
309.2.5	13th	309.12.21	1st	334	15th
309.2.6	13th	309.12.22	1st	334.1	1st
309.2.7	13th	309.12.23	1st	335	13th
309.2.8	13th	309.12.24	1st	335.1	1st
309.2.9	13th	309.13	1st	336	13th
309.2.10	14th	309.14	6th	336.1	1st
309.2.11	15th	309.15	4th		

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337	14th	366.1	7th	402	23nd
337.1	1st	367	21st	402.1	2nd
338	13th	367.1	8th	403	21st
338.1	1st	367.2	4th	403.1	2nd
339	13th	367.3	2nd	404	22nd
339.1	1st	367.4	1st	405	16th
340	13th	368	16th	406	18th
340.1	2nd	369	8th	407	20th
340.2	4th	370	4th	408	16th
341	13th	371	3rd	409	16th
342	11th	372	4th	410	64th
343	10th	373	3rd	410.1	31st
344	11th	374	2nd	410.2	11th
345	10th	375	3rd	410.3	4th
346	10th	376	3rd	411	50th*
347	10th	377	2nd	411.1	20th
347.1	3rd	378	3rd	411.2	13th
348	12th	379	3rd	411.3	5th
349	8th	380	2nd	411.4	12th
350	8th	381	3rd	411.5	5th
351	10th	382	3rd	412	40th
352	8th	383	2nd	412.1	5th
353	8th	384	3rd	412.2	4th
354	8th	385	4th	412.3	4th
354.1	3rd	386	4th	413	42nd
355	33rd	387	3rd	413.1	14th
356	20th	388	3rd	413.1.1	1st
357	14th	389	3rd	413.1.2	4th
358	12th	390	3rd	413.1.3	4th
359	15th	391	3rd	413.1.4	4th
359.1	1st	392	3rd	413.2	13th
360	13th	393	3rd	413.2.1	11th
360.1	1st	394	3rd	413.2.1.1	4th
361	13th	395	25th	413.2.1.2	4th
362	11th	396	21st	413.2.1.3	7th
363	10th	397	20th	413.2.2	18th
364	8th	398	22nd	413.2.3	14th
365	31st	399	10th	413.2.4	13th
365.1	10th	400	21st	413.2.5	12th
365.1.1	3rd	401	24th	413.2.6	18th
366	25th	401.1	2nd		

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Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
413.2.7	8th	422.2.1	2nd	445.1.1.5	6th
413.2.8	8th	422.2.2	2nd	445.1.1.6	6th
413.2.9	7th	422.2.3	2nd	445.1.1.7	6th
413.3	22nd	422.3	5th	445.1.2	14th
413.4	22nd	423	14th	445.1.3	6th
414	30th	423.1	11th	445.1.4	6th
414.1	11th	424	23rd	445.1.5	5th
415	29th	424.1	17th	445.1.6	5th
415.1	29th	425	12th	445.1.7	6th
415.2	3rd	425.1	1st	445.2	21st
416	18th	425.2	7th	445.2.1	9th
417	39th	425.2.1	2nd	445.2.2	1st
418	34th	425.3	2nd	445.2.3	2nd
418.1	14th	425.4	2nd	445.2.4	6th
418.1.1	29th	426	22nd	445.3	9th
418.1.1.1	9th	427	19th	445.3.1	8th
418.1.1.2	7th	428	17th	445.3.2	2nd
418.1.1.2.1	6th	429	23rd	445.4	7th
418.1.1.3	17th	429.1	18th	445.4.1	4th
418.1.1.4	10th	430	11th	445.5	5th
418.1.1.4.1	4th	431	17th	445.5.1	7th*
418.1.1.4.2	3rd	431.1	7th	446	6th
418.1.1.5	5th	431.1.1	2nd	447	7th
418.1.1.6	6th	431.2	2nd	448	7th
418.1.1.7	3rd	432	14th	449	7th
418.1.2	25th	433	7th	449.1	10th
418.1.2.1	18th	433.1	1st	449.2	5th
418.1.2.1.1	25th	434	11th	449.3	6th
418.1.2.1.1.1	11th	435	4th	449.4	6th
418.1.2.1.1.1.1	2nd	436	10th	449.5	6th
418.1.2.1.2	7th	437	4th	449.5.1	4th
418.1.2.2	21st	438	10th	449.6	6th
418.1.2.3	6th	439	4th	449.7	5th
418.1.3	18th	440	10th	449.7.1	4th
418.1.4	11th	441	4th	449.8	4th
418.1.5	5th	442	10th	449.9	5th
418.1.6	2nd	443	4th	449.9.1	3rd
418.2	11th	444	12th	449.10	4th
419	34th	444.1	1st	449.11	4th
419.1	26th	445	6th	449.12	4th
420	13th	445.1	31st*	449.13	9th
421	25th	445.1.1	31st	449.14	9th
421.1	2nd	445.1.1.1	17th	449.15	10th
422	22nd	445.1.1.2	8th	449.16	8th
422.1	5th	445.1.1.3	6th	449.17	3rd
422.2	6th	445.1.1.4	6th		

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Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
449.18	3rd	450.1	8th	451.1	6th
449.19	4th	450.2	8th	451.2	5th
449.20	4th	450.3	8th	451.3	6th
449.21	4th	450.4	2nd	451.4	7th
449.22	4th	450.5	2nd	451.5	5th
449.23	5th	450.6	3rd	451.6	4th
449.24	5th	450.7	3rd	451.7	7th
449.25	5th	450.8	3rd	451.8	2nd
449.26	5th	450.9	3rd	451.9	2nd
449.27	5th	450.10	3rd	451.10	3rd
449.27.1	5th	450.11	3rd	451.11	2nd
449.28	5th	450.12	2nd	451.12	2nd
449.29	5th	450.13	5th	451.13	3rd
449.30	7th	450.14	3rd	451.14	2nd
449.31	8th	450.15	2nd	451.15	2nd
449.32	8th	450.16	2nd	451.16	2nd
449.33	4th	450.17	2nd	451.17	2nd
449.34	4th	450.18	2nd	451.18	4th
449.35	5th	450.19	3rd	451.19	2nd
449.36	5th	450.20	3rd	451.20	3rd
449.37	6th	450.21	3rd	451.21	2nd
449.38	6th	450.22	3rd	451.22	2nd
449.39	6th	450.23	4th	451.23	2nd
449.40	6th	450.24	4th	451.24	2nd
449.41	4th	450.25	3rd	451.25	2nd
449.42	6th	450.26	3rd	451.26	3rd
449.43	6th	450.27	3rd	451.27	3rd
449.44	3rd	450.28	3rd	451.28	3rd
449.45	3rd	450.29	3rd	451.29	3rd
449.46	3rd	450.30	3rd	451.30	2nd
449.47	3rd	450.31	3rd	451.31	3rd
449.48	3rd	450.32	1st		
449.49	4th	450.33	1st		
449.50	5th	450.34	1st		
449.51	4th	450.35	1st		
449.52	4th	450.36	1st		
449.53	3rd	450.37	1st		
449.54	3rd	450.38	1st		
449.55	3rd	450.39	1st		
449.56	5th*	450.40	1st		
449.57	Original	450.41	1st		
450	8th	451	5th		

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Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
451.32	3rd	452.16	3rd	453.17	3rd
451.33	3rd	452.17	3rd	453.18	3rd
451.34	3rd	452.18	3rd	453.19	3rd
451.35	3rd	452.19	3rd	453.20	3rd
451.36	3rd	452.20	3rd	453.21	2nd
451.37	3rd	452.21	3rd	453.22	1st
451.38	2nd	452.22	3rd	453.23	1st
451.39	3rd	452.23	3rd	454	7th*
451.40	3rd	452.24	3rd	454.1	7th*
451.41	3rd	452.25	4th	454.1.1	5th*
451.42	3rd	452.26	4th	454.1.2	3rd*
451.43	3rd	452.27	4th	454.2	5th*
451.44	3rd	452.28	3rd	454.3	11th*
451.45	3rd	452.29	3rd	454.3.1	8th*
451.46	3rd	452.30	3rd	454.3.1.1	7th*
451.47	3rd	452.31	3rd	454.3.1.2	4th*
451.48	3rd	452.32	3rd	454.3.2	6th*
451.49	3rd	452.33	2nd	454.3.3	6th*
451.50	2nd	452.34	3rd	454.3.4	5th*
451.51	2nd	452.35	3rd	454.3.5	5th*
451.52	3rd	452.36	2nd	454.3.6	5th*
451.53	2nd	452.37	3rd	454.3.7	5th*
451.54	3rd	452.38	1st	454.3.8	7th*
451.55	3rd	452.39	2nd	454.4	12th*
451.56	1st	452.40	1st	454.5	9th*
451.57	1st	453	4th	454.5.1	4th*
452	5th	453.1	2nd	454.6	6th*
452.1	3rd	453.2	2nd	454.7	7th*
452.2	3rd	453.3	3rd	454.8	7th*
452.3	3rd	453.4	3rd	454.9	7th*
452.4	3rd	453.5	3rd	454.10	8th*
452.5	4th	453.6	2nd	454.11	7th*
452.6	3rd	453.7	3rd	454.11.1	7th*
452.7	3rd	453.8	3rd		
452.8	3rd	453.9	3rd		
452.9	3rd	453.10	3rd		
452.10	3rd	453.11	3rd		
452.11	3rd	453.12	4th		
452.12	2nd	453.13	4th		
452.13	3rd	453.14	4th		
452.14	4th	453.15	4th		
452.15	3rd	453.16	4th		

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Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
454.12	10th	454.41.1	2nd	471.4	5th
454.12.1	7th	454.42	2nd	472	2nd
454.13	6th	454.43	2nd	473	2nd
454.14	6th	454.44	2nd	474	Original
454.15	6th	454.45	2nd	475	Original
454.15.1	4th	454.46	2nd	476	2nd
454.16	6th	454.47	3rd	477	4th
454.17	6th	454.47.1	1st	477.1	1st
454.18	6th	454.48	2nd	477.2	1st
454.19	5th	454.49	5th	477.2.1	3rd
454.20	5th	454.49.1	5th	477.2.2	3rd
454.21	8th	454.49.2	1st	477.2.3	4th
454.22	5th	454.50	5th	477.2.4	3rd
454.23	5th	454.50.1	4th	477.2.5	1st
454.24	14th	454.50.2	1st	477.2.6	Original
454.24.1	15th	454.51	6th	477.2.7	1st
454.24.1.1	Original	454.51.1	3rd	477.2.8	1st
454.24.2	13th	454.52	5th	477.2.9	Original
454.24.2.1	1st	454.52.1	1st	477.2.10	Original
454.24.3	4th	454.53	4th	477.2.11	Original
454.24.4	3rd	454.54	1st	477.2.12	Original
454.24.5	6th	454.55	1st	477.2.13	2nd
454.24.5.1	2nd	454.56	1st	477.2.14	3rd
454.25	4th	454.57	1st	477.2.15	2nd
454.25.1	1st	455	2nd	477.2.16	2nd
454.26	Original	456	3rd	477.2.17	2nd
454.27	4th	457	4th	477.2.18	2nd
454.28	9th	457.1	1st	477.2.19	2nd
454.28.1	11th	458	3rd	477.2.20	2nd
454.28.1.1	5th	458.1	Original	477.3	Original
454.28.2	12th	459	1st	477.4	Original
454.28.3	6th	460	4th	478	5th
454.28.3.1	Original	461	4th	479	2nd
454.29	11th	462	4th	480	5th*
454.30	Original	463	6th	481	3rd
454.31	Original	464	3rd	481.1	1st
454.32	Original	465	1st	481.2	1st
454.33	Original	466	2nd	482	3rd
454.34	Original	467	60th	483	1st
454.35	Original	468	13th	484	2nd
454.36	6th	469	9th	485	1st
454.37	4th	470	46th	486	3rd
454.37.1	2nd	470.1	15th	487	1st
454.38	5th	470.2	7th	488	2nd
454.39	6th	471	11th	489	2nd
454.39.1	3rd	471.1	5th		
454.40	2nd	471.2	5th		
454.41	3rd	471.3	7th		

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490	3rd	501.1.1	4th*	510.21	2nd
491	1st	501.1.2	4th*	510.22	2nd
492	2nd	501.1.3	4th*	510.23	1st
493	1st	501.1.4	4th*	510.24	3rd
494	3rd	501.1.5	2nd	510.25	3rd
495	1st	501.2	5th*	510.26	3rd
496	3rd	501.2.1	4th*	510.27	3rd
497	1st	501.3	5th*	510.28	3rd
497.1	Original	501.3.1	4th*	510.29	3rd
497.2	1st	501.3.2	4th*	510.30	3rd
497.2.1	1st	501.3.3	1st	510.31	3rd
497.3	Original	501.4	2nd	510.32	3rd
497.4	Original	501.5	2nd	510.33	4th
497.5	Original	502	Original	510.34	4th
497.6	2nd	503	1st	510.35	3rd
497.6.1	Original	504	1st	510.36	3rd
497.6.2	Original	505	4th*	510.37	1st
497.6.3	Original	506	5th*	510.38	1st
497.6.4	Original	507	1st	510.39	2nd
497.6.5	Original	508	2nd	510.40	2nd
497.7	3rd	509	1st	510.41	1st
497.8	Original	510	1st	510.42	1st
498	2nd	510.1	1st	511	1st
499	5th	510.2	5th	512	2nd
499.1	3rd	510.3	4th	512.1	1st
499.2	3rd	510.4	4th	512.2	4th
499.2.1	2nd	510.5	4th	512.3	1st
499.3	2nd	510.6	3rd	512.4	1st
499.3.1	2nd	510.7	3rd	512.5	1st
499.4	3rd	510.8	2nd	512.6	2nd
499.5	5th	510.9	2nd	512.7	1st
499.6	2nd	510.10	2nd	512.8	1st
499.7	2nd	510.11	1st	512.9	1st
499.8	Original	510.12	2nd	512.10	1st
500	16th	510.13	1st	512.11	1st
500.1	10th	510.14	2nd	512.12	1st
500.1.1	1st	510.15	2nd	512.13	1st
500.1.1.1	1st	510.16	3rd	513	4th
500.2	13th	510.17	3rd		
500.2.1	Original	510.18	2nd		
500.2.2	Original	510.19	3rd		
500.3	8th	510.20	3rd		
500.3.1	Original				
500.4	4th				
500.4.1	Original				
500.5	2nd				
500.6	2nd				
501	1st				
501.1	5th*				

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514	2nd	565	2nd	592.23	Original*
514.1	2nd	566	4th	592.24	Original*
514.2	6th	566.1	Original	592.25	Original*
514.3	3rd	567	5th	592.26	Original*
514.4	4th	568	5th	592.27	Original*
514.5	1st	569	2nd	592.28	Original*
514.6	2nd	570	5th	592.29	Original*
514.7	3rd	571	5th	592.30	Original*
515	1st	572	2nd	592.31	Original*
515.1	5th	573	2nd	592.32	Original*
515.2	2nd	574	5th	592.33	Original*
516	8th	575	2nd	592.34	Original*
517	8th	576	7th	593	8th
518	9th	576.1	4th	593.1	7th
519	9th	576.2	5th	593.1.1	4th
520	8th	576.3	2nd	593.2	7th
521	8th	576.4	Original	593.3	3rd
522	10th	576.4	Original	593.3.1	5th
523	5th	576.5	Original	593.4	8th
524	4th	576.6	Original	593.5	3rd
525	3rd	576.7	Original	594	11th
526	3rd	576.8	Original	595	9th
527	5th	577	2nd	595.1	6th
528	5th	578	1st	596	15th
529	5th	579	1st	596.1	3rd
530	5th	580	Original	596.2	Original
531	5th	581	Original	596.3	5th
532	5th	582	Original	596.4	Original
533	3rd	583	Original	597	9th
534	5th	584	Original	597.1	4th
535	3rd	585	Original	598	9th
536	Original	586	1st	598.1	8th
537	Original	587	1st	599	9th
538	Original	588	1st	600	8th
539	Original	589	Original	601	5th
540	Original	590	Original	602	7th
541	9th	591	3rd	603	6th
542	8th	592	Original	604	6th
543	5th	592.1	Original*		
544	5th	592.2	Original*		
545	3rd	592.3	Original*		
546	2nd	592.4	Original*		
547	5th	592.6	Original*		
548	5th	592.7	Original*		
549	3rd	592.8	Original*		
550	2nd	592.9	Original*		
551	5th	592.11	Original*		
552	5th	592.12	Original*		
553	3rd	592.13	Original*		
554	2nd	592.14	Original*		
555	2nd	592.15	Original*		
556	8th	592.16	Original*		
557	8th	592.17	Original*		
558	8th	592.18	Original*		
559	9th	592.19	Original*		
560	8th	592.20	Original*		
561	8th	592.21	Original*		
562	8th	592.22	Original*		
563	8th				
564	5th				

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Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
605	6th	646	4th	681	Original
605.1	2nd	647	4th	682	Original
605.2	8th	648	4th	683	Original
606	7th	649	2nd	684	Original
606.1	5th	650	2nd	685	Original
606.2	5th	651	2nd	686	Original
606.3	4th	652	6th	687	Original
607	5th	653	4th	688	3rd*
608	8th	654	5th	689	5th
609	5th	655	2nd	689.1	4th
609.1	2nd	655.1	Original	690	8th*
610	3rd	655.2	Original	691	1st*
611	4th	655.3	2nd	692	Original
611.1	3rd	655.4	2nd	693	1st*
612	5th	655.5	3rd	694	1st*I
613	6th	655.6	1st	694.1	5th
614	15th	656	Original	694.1.1	Original
615	9th	657	Original	694.2	Original
615.1	4th	658	Original	694.3	Original
616	9th	659	11th	694.4	1st
616.1	Original	659.1	1st	694.5	1st
617	9th	660	4th	694.6	1st
617.1	5th	661	1st	694.7	1st
617.2	3rd	662	4th	694.8	1st
618	2nd	663	4th	694.9	1st
619	9th	664	9th	694.10	1st
619.1	Original	665	4th	694.11	1st
620	8th	666	4th	694.12	1st
621	8th	667	2nd	694.13	1st
622	5th	668	6th	694.14	1st
623	10th	669	4th	694.15	1st
623.1	19th	670	6th	694.16	1st
623.2	Original	670.1	3rd	694.17	1st
624	2nd	671	6th	694.18	2nd*
625	7th	671.1	2nd	694.19	2nd*
626	8th	672	5th	694.20	2nd*
627	8th	672.1	2nd	694.21	2nd*
628	5th	673	5th	694.22	2nd*
629	5th	674	4th	694.23	2nd*
630	4th	675	5th	694.24	2nd*
631	5th	676	5th	694.25	2nd*
632	5th	677	4th	694.26	2nd*
633	4th	678	3rd	694.27	5th*
634	5th	678.1	4th	694.28	2nd*
635	4th	679	6th	695	3rd
636	4th	679.1	5th	696	3rd
637	5th	679.2	3rd	697	2nd
638	5th	679.2.1	1st	698	2nd
639	8th	679.3	2nd	699	2nd
640	5th	679.4	3rd	700	5th
641	7th	679.5	2nd	701	5th
642	5th	679.6	1st	702	5th
643	5th	679.7	1st	703	4th
644	5th	679.8	1st	704	4th
644.1	1st	680	Original	705	4th
645	4th				

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710	5th*				
711	5th*				

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712	5th	761	2nd*	802	11th	840.6.1	3rd	844.1	2nd
713	2nd	762	4th	803	19th	840.6.2	4th	844.2	1st
714	2nd	763	5th	803.1	10th	840.6.3	4th	844.3	2nd
715	2nd	764	6th*	804	7th	840.6.4	4th	845	2nd
716	2nd	765	6th*	805	16th	840.6.5	4th	845.1	1st
717	2nd	766	2nd*	805.1	6th	840.6.6	4th	845.2	1st
718	2nd	767	2nd*	806	7th	840.6.7	2nd	845.3	2nd
719	2nd	768	2nd*	807	5th*	840.6.8	2nd	846	5th
720	2nd	769	2nd*	808	4th*	840.6.9	2nd	846.1	3rd
721	2nd	770	2nd*	809	2nd*	840.6.10	2nd	847	2nd
722	2nd	771	2nd*	809.1	1st	840.6.11	2nd	848	2nd
723	5th*	772	2nd*	810	11th*	840.7	Original	848.1	Original
724	4th*	773	2nd*	811	8th*	840.8	1st*	849	2nd
725	9th*	774	4th*	812	2nd*	840.9	4th*	850	2nd
726	5th*	775	2nd*	813	2nd*	840.10	3rd	22-1	3rd
727	2nd*	776	3rd*	814	2nd*	840.11	Original	22-2	2nd
728	2nd*	777	2nd*	815	2nd*	840.12	Original	22-3	2nd
729	5th*	778	2nd*	816	2nd*	840.13	1st	22-4	2nd
730	3rd*	779	5th	817	2nd*	840.14	1st	22-5	2nd
731	4th*	780	4th*	818	2nd*	840.15	1st	22-6	3rd
732	5th*	781	4th*	819	2nd*	840.16	1st	22-7	2nd
733	2nd*	782	2nd*	820	2nd*	840.17	1st	22-8	2nd
734	2nd*	783	4th	821	2nd*	840.18	Original	22-9	2nd
735	1st*	784	5th	822	2nd*	840.19	Original	22-10	2nd
736	1st*	785	4th*	823	2nd*	840.20	Original	22-11	3rd
737	2nd	786	2nd*	824	2nd*	840.21	Original	22-12	2nd
738	3rd	787	2nd*	825	8th*	840.22	Original	22-13	2nd
739	4th	788	4th*	826	2nd*	840.23	Original	22-14	2nd
740	3rd	789	2nd*	827	2nd*	840.23.1	1st	22-15	2nd
741	1st	790	5th*	828	3rd	840.23.2	1st	22-16	2nd
742	1st	790.1	4th*	829	2nd*	840.23.3	1st	22-17	2nd
743	2nd	790.2	4th*	830	1st*	840.23.4	1st	22-18	2nd
744	5th*	790.3	4th*	831	1st*	840.23.5	1st	22-19	2nd
745	4th*	790.4	4th*	832	1st*	840.23.6	1st	22-20	2nd
746	4th*	790.5	4th*	833	4th*	840.23.7	1st	22-21	3rd
747	5th*	790.6	4th*	834	1st*	840.24	Original	22-22	2nd
748	4th*	790.7	4th*	835	1st*	840.25	Original	22-23	2nd
749	4th*	791	9th	836	2nd*	840.26	Original	22-24	2nd
750	5th*	792	4th	837	1st*	840.27	Original	22-25	2nd
751	3rd*	793	6th	838	1st*	840.28	Original	22-26	2nd
752	11th*	794	9th	839	1st*	840.29	Original	22-27	1st
753	7th*	795	4th	840	1st*	840.30	Original	22-28	Original
754	6th*	796	4th	840.1	5th	840.31	Original	22-29	1st
755	8th*	797	6th	840.1.1	5th	841	3rd	22-30	Original
755.1	2nd	798	9th	840.1.2	2nd	842	4th	22-31	Original
756	4th	799	4th	840.2	2nd	842.1	1st	22-32	1st
757	4th	800	6th	840.3	4th	842.2	2nd	22-33	Original
758	4th*	800.1	4th	840.4	3rd	842.3	6th		
759	4th	800.2	5th	840.5	4th	843	8th		
760	4th*	801	10th	840.6	4th	844	4th		

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22-35	Original	22-84	2nd	22-134	2nd	22-184	Original
22-36	Original	22-85	1st	22-135	2nd	22-185	2nd
22-37	Original	22-86	Original	22-136	2nd	22-186	Original
22-38	Original	22-87	Original	22-137	2nd	22-187	2nd
22-39	Original	22-88	Original	22-138	2nd	22-188	2nd
22-40	Original	22-89	Original	22-139	2nd	22-189	Original
22-41	1st	22-90	Original	22-140	2nd	22-190	Original
22-42	Original	22-91	Original	22-141	2nd	22-191	Original
22-43	Original	22-92	1st	22-142	2nd	22-192	2nd
22-44	Original	22-93	Original	22-143	2nd	22-193	2nd
22-45	Original	22-94	Original	22-144	2nd	22-194	Original
22-46	Original	22-95	Original	22-145	2nd	22-195	Original
22-47	Original	22-96	Original	22-146	Original	22-196	2nd
22-48	1st	22-97	Original	22-147	Original	22-197	2nd
22-49	Original	22-98	Original	22-148	Original	22-198	2nd
22-50	Original	22-99	1st	22-149	Original	22-199	Original
22-51	Original	22-100	Original	22-150	Original	22-200	Original
22-52	Original	22-101	Original	22-151	Original	22-201	Original
22-53	Original	22-102	Original	22-152	Original	22-202	2nd
22-54	Original	22-103	Original	22-153	Original	22-203	2nd
22-55	1st	22-104	Original	22-154	Original	22-204	Original
22-56	Original	22-105	Original	22-155	Original	22-205	Original
22-57	Original	22-106	3rd	22-156	Original	22-206	Original
22-58	Original	22-107	3rd	22-157	Original	22-207	Original
22-59	Original	22-108	2nd	22-158	Original	22-208	2nd
22-60	Original	22-109	2nd	22-159	Original	22-209	2nd
22-61	Original	22-110	2nd	22-160	Original	22-210	2nd
22-62	1st	22-111	2nd	22-161	Original	22-211	2nd
22-63	Original	22-112	2nd	22-162	Original	22-212	2nd
22-64	Original	22-113	2nd	22-163	Original	22-213	Original
22-65	Original	22-114	2nd	22-164	Original	22-214	Original
22-66	Original	22-115	2nd	22-165	Original	22-215	2nd
22-67	Original	22-116	2nd	22-166	Original	22-216	Original
22-68	Original	22-117	2nd	22-167	2nd	22-217	2nd
22-69	3rd	22-118	2nd	22-168	2nd	22-218	2nd
22-70	2nd	22-119	2nd	22-169	2nd	22-219	2nd
22-71	2nd	22-120	2nd	22-170	2nd	22-220	2nd
22-72	2nd	22-121	2nd	22-171	2nd	22-221	2nd
22-73	2nd	22-122	2nd	22-172	2nd	22-222	2nd
22-74	3rd	22-123	2nd	22-173	2nd	22-223	2nd
22-75	3rd	22-124	2nd	22-174	2nd	22-224	Original
22-76	2nd	22-125	2nd	22-175	2nd	22-225	Original
22-77	3rd	22-126	2nd	22-176	3rd*	22-226	Original
22-78	2nd	22-127	2nd	22-177	2nd	22-227	Original
22-79	2nd	22-128	2nd	22-178	2nd	22-228	Original
22-80	2nd	22-129	2nd	22-179	2nd	22-229	Original
22-81	3rd	22-130	2nd	22-180	2nd	22-230	Original
22-82	2nd	22-131	2nd	22-181	2nd	22-231	Original
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22-235	Original	22-293	Original	22-351	Original	22-409	2nd
22-236	Original	22-294	Original	22-352	Original	22-410	2nd
22-237	Original	22-295	Original	22-353	Original	22-411	2nd
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22-239	Original	22-297	Original	22-355	2nd	22-413	2nd
22-240	Original	22-298	Original	22-356	2nd	22-414	2nd
22-241	Original	22-299	Original	22-357	2nd	22-415	2nd
22-242	Original	22-300	Original	22-358	2nd	22-416	2nd
22-243	Original	22-301	Original	22-359	2nd	22-417	2nd
22-244	Original	22-302	Original	22-360	2nd	22-418	2nd
22-245	2nd	22-303	Original	22-361	2nd	22-419	2nd
22-246	2nd	22-304	Original	22-362	2nd	22-420	2nd
22-247	2nd	22-305	Original	22-363	2nd	22-421	2nd
22-248	2nd	22-306	Original	22-364	2nd	22-422	2nd
22-249	2nd	22-307	Original	22-365	2nd	22-423	2nd
22-250	3rd*	22-308	Original	22-366	2nd	22-424	2nd
22-251	2nd	22-309	Original	22-367	2nd	22-425	2nd
22-252	2nd	22-310	Original	22-368	2nd	22-426	2nd
22-253	2nd	22-311	Original	22-369	2nd	22-427	2nd
22-254	2nd	22-312	Original	22-370	2nd	22-428	2nd
22-255	2nd	22-313	Original	22-371	2nd	22-429	2nd
22-256	2nd	22-314	2nd	22-372	2nd	22-430	2nd
22-257	2nd	22-315	2nd	22-373	2nd	22-431	2nd
22-258	2nd	22-316	2nd	22-374	3rd*	22-432	2nd
22-259	2nd	22-317	2nd	22-375	2nd	22-433	2nd
22-260	2nd	22-318	2nd	22-376	2nd	22-434	2nd
22-261	2nd	22-319	2nd	22-377	2nd	22-435	2nd
22-262	2nd	22-320	2nd	22-378	2nd	22-436	2nd
22-263	2nd	22-321	2nd	22-379	2nd	22-437	2nd
22-264	2nd	22-322	2nd	22-380	2nd	22-438	2nd
22-265	2nd	22-323	2nd	22-381	2nd	22-439	Original
22-266	2nd	22-324	2nd	22-382	2nd	22-440	Original
22-267	2nd	22-325	2nd	22-383	2nd	22-441	Original
22-268	2nd	22-326	2nd	22-384	2nd	22-442	Original
22-269	2nd	22-327	2nd	22-385	2nd	22-443	Original
22-270	2nd	22-328	Original	22-386	2nd	22-444	2nd
22-271	2nd	22-329	2nd	22-387	2nd	22-445	2nd
22-272	2nd	22-330	3rd*	22-388	2nd	22-446	2nd
22-273	2nd	22-331	Original	22-389	2nd	22-447	2nd
22-274	Original	22-332	Original	22-390	2nd	22-448	2nd
22-275	2nd	22-333	Original	22-391	2nd	22-449	2nd
22-276	2nd	22-334	Original	22-392	2nd	22-450	2nd
22-277	2nd	22-335	Original	22-393	2nd	22-451	2nd
22-278	2nd	22-336	Original	22-394	2nd	22-452	2nd
22-279	2nd	22-337	Original	22-395	2nd	22-453	2nd
22-280	2nd	22-338	Original	22-396	2nd	22-454	2nd
22-281	2nd	22-339	Original	22-397	2nd	22-455	2nd
22-282	Original	22-340	Original	22-398	Original	22-456	2nd
22-283	2nd	22-341	2nd	22-399	2nd	22-457	2nd
22-284	2nd	22-342	2nd	22-400	2nd	22-458	2nd
22-285	2nd	22-343	Original	22-401	Original	22-459	2nd
22-286	2nd	22-344	Original	22-402	Original	22-460	2nd
22-287	2nd	22-345	Original	22-403	Original	22-461	2nd
22-288	2nd	22-346	Original	22-404	2nd	22-462	2nd
22-289	2nd	22-347	Original	22-405	Original	22-463	2nd
22-290	2nd	22-348	Original	22-406	Original	22-464	2nd

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22-466	2nd	22-515	2nd	22-564	2nd	22-613	2nd	22-662	1st*
22-467	2nd	22-516	2nd	22-565	2nd	22-614	2nd	22-663	Original
22-468	2nd	22-517	2nd	22-566	Original	22-615	2nd	22-664	Original
22-469	2nd	22-518	2nd	22-567	Original	22-616	2nd	22-665	Original
22-470	Original	22-519	2nd	22-568	Original	22-617	2nd	22-666	2nd
22-471	Original	22-520	2nd	22-569	Original	22-618	2nd	22-667	Original
22-472	Original	22-521	2nd	22-570	Original	22-619	2nd	22-668	2nd
22-473	Original	22-522	2nd	22-571	Original	22-620	2nd	22-669	Original
22-474	Original	22-523	2nd	22-572	Original	22-621	2nd	22-670	Original
22-475	Original	22-524	2nd	22-573	Original	22-622	2nd	22-671	Original
22-476	Original	22-525	3rd	22-574	Original	22-623	2nd	22-672	Original
22-477	2nd	22-526	2nd	22-575	Original	22-624	2nd	22-673	Original
22-478	2nd	22-527	2nd	22-576	Original	22-625	2nd	22-674	2nd
22-479	2nd	22-528	2nd	22-577	Original	22-626	2nd	22-675	2nd
22-480	2nd	22-529	3rd*	22-578	Original	22-627	2nd	22-676	2nd
22-481	2nd	22-530	2nd	22-579	Original	22-628	2nd	22-677	Original
22-482	2nd	22-531	2nd	22-580	Original	22-629	2nd	22-678	Original
22-483	2nd	22-532	2nd	22-581	Original	22-630	2nd	22-679	Original
22-484	2nd	22-533	3rd	22-582	Original	22-631	2nd	22-680	2nd
22-485	2nd	22-534	Original	22-583	Original	22-632	2nd	22-681	2nd
22-486	2nd	22-535	Original	22-584	Original	22-633	2nd	22-682	Original
22-487	2nd	22-536	1st*	22-585	Original	22-634	2nd	22-683	Original
22-488	2nd	22-537	Original	22-586	Original	22-635	2nd	22-684	2nd
22-489	2nd	22-538	Original	22-587	2nd	22-636	2nd	22-685	2nd
22-490	2nd	22-539	2nd	22-588	2nd	22-637	2nd	22-686	2nd
22-491	2nd	22-540	2nd	22-589	2nd	22-638	2nd	22-687	2nd
22-492	2nd	22-541	2nd	22-590	2nd	22-639	Original	22-688	2nd
22-493	2nd	22-542	Original	22-591	2nd	22-640	Original	22-689	2nd
22-494	Original	22-543	2nd	22-592	2nd	22-641	Original	22-690	2nd
22-495	2nd	22-544	Original	22-593	2nd	22-642	Original	22-691	2nd
22-496	2nd	22-545	Original	22-594	2nd	22-643	2nd	22-692	2nd
22-497	Original	22-546	Original	22-595	2nd	22-644	2nd	22-693	2nd
22-498	Original	22-547	Original	22-596	2nd	22-645	2nd	22-694	2nd
22-499	Original	22-548	Original	22-597	2nd	22-646	2nd	22-695	2nd
22-500	Original	22-549	Original	22-598	2nd	22-647	2nd	22-696	2nd
22-501	Original	22-550	Original	22-599	2nd	22-648	2nd	22-697	2nd
22-502	Original	22-551	Original	22-600	2nd	22-649	4th	22-698	2nd
22-503	Original	22-552	Original	22-601	2nd	22-650	4th	22-699	2nd
22-504	Original	22-553	2nd	22-602	2nd	22-651	4th	22-700	2nd
22-505	Original	22-554	2nd	22-603	2nd	22-652	4th	22-701	2nd
22-506	Original	22-555	2nd	22-604	2nd	22-653	4th	22-702	2nd
22-507	Original	22-556	Original	22-605	2nd	22-654	4th	22-703	2nd
22-508	Original	22-557	2nd	22-606	2nd	22-655	3rd*	22-704	2nd
22-509	Original	22-558	2nd	22-607	2nd	22-656	Original	22-705	2nd
22-510	Original	22-559	2nd	22-608	2nd	22-657	Original	22-706	2nd
22-511	Original	22-560	2nd	22-609	4th	22-658	2nd	22-707	2nd
22-512	2nd	22-561	Original	22-610	5th	22-659	Original	22-708	2nd
22-513	Original	22-562	2nd	22-611	2nd	22-660	Original	22-709	2nd

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22-711	2nd	22-762	2nd	22-813	Original	22-864	2nd
22-712	2nd	22-763	2nd	22-814	Original	22-865	2nd
22-713	2nd	22-764	2nd	22-815	Original	22-866	2nd
22-714	2nd	22-765	2nd	22-816	Original	22-867	Original
22-715	Original	22-766	2nd	22-817	Original	22-868	Original
22-716	Original	22-767	2nd	22-818	Original	22-869	Original
22-717	Original	22-768	2nd	22-819	2nd	22-870	Original
22-718	Original	22-769	2nd	22-820	2nd	22-871	Original
22-719	Original	22-770	2nd	22-821	2nd	22-872	Original
22-720	Original	22-771	2nd	22-822	2nd	22-873	2nd
22-721	2nd	22-772	2nd	22-823	2nd	22-874	2nd
22-722	2nd	22-773	2nd	22-824	2nd	22-875	2nd
22-723	2nd	22-774	2nd	22-825	2nd	22-876	2nd
22-724	2nd	22-775	2nd	22-826	Original	22-877	2nd
22-725	2nd	22-776	2nd	22-827	Original	22-878	2nd
22-726	2nd	22-777	2nd	22-828	Original	22-879	2nd
22-727	2nd	22-778	Original	22-829	Original	22-880	Original
22-728	2nd	22-779	Original	22-830	Original	22-881	2nd
22-729	2nd	22-780	Original	22-831	Original	22-882	2nd
22-730	2nd	22-781	Original	22-832	Original	22-883	2nd
22-731	2nd	22-782	Original	22-833	Original	22-884	Original
22-732	2nd	22-783	Original	22-834	2nd	22-885	2nd
22-733	2nd	22-784	Original	22-835	2nd	22-886	2nd
22-734	2nd	22-785	Original	22-836	2nd	22-887	2nd
22-735	2nd	22-786	Original	22-837	2nd	22-888	2nd
22-736	Original	22-787	Original	22-838	2nd	22-889	2nd
22-737	Original	22-788	Original	22-839	2nd	22-890	2nd
22-738	Original	22-789	Original	22-840	2nd	22-891	2nd
22-739	Original	22-790	Original	22-841	2nd	22-892	2nd
22-740	3rd*	22-791	Original	22-842	2nd	22-893	2nd
22-741	2nd	22-792	Original	22-843	2nd	22-894	2nd
22-742	2nd	22-793	Original	22-844	2nd	22-895	2nd
22-743	2nd	22-794	Original	22-845	2nd	22-896	2nd
22-744	2nd	22-795	Original	22-846	2nd	22-897	Original
22-745	4th	22-796	Original	22-847	2nd	22-898	Original
22-746	5th	22-797	Original	22-848	2nd	22-899	Original
22-747	2nd	22-798	Original	22-849	2nd	22-900	Original
22-748	5th*	22-799	4th	22-850	2nd	22-901	Original
22-749	2nd	22-800	4th	22-851	2nd	22-902	Original
22-750	2nd	22-801	4th	22-852	Original	22-903	Original
22-751	2nd	22-802	4th	22-853	Original	22-904	Original
22-752	2nd	22-803	4th	22-854	Original	22-905	Original
22-753	2nd	22-804	2nd	22-855	Original	22-906	Original
22-754	2nd	22-805	2nd	22-856	Original	22-907	Original
22-755	2nd	22-806	2nd	22-857	Original	22-908	Original
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22-757	4th	22-808	2nd	22-859	Original	22-910	Original
22-758	4th	22-809	2nd	22-860	2nd	22-911	Original
22-759	2nd	22-810	2nd	22-861	Original	22-912	Original
22-760	2nd	22-811	2nd	22-862	Original	22-913	Original

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22-914	Original	22-966	2nd*	22-1018	2nd*	22-1070	Original
22-915	Original	22-967	2nd*	22-1019	2nd*	22-1071	Original
22-916	Original	22-968	Original	22-1020	2nd*	22-1072	Original
22-917	Original	22-969	Original	22-1021	2nd*	22-1073	Original
22-918	Original	22-970	Original	22-1022	Original	22-1074	Original
22-919	Original	22-971	Original	22-1023	2nd*	22-1075	Original
22-920	Original	22-972	Original	22-1024	Original	22-1076	Original
22-921	Original	22-973	Original	22-1025	Original	22-1077	Original
22-922	Original	22-974	Original	22-1026	2nd*	22-1078	Original
22-923	Original	22-975	2nd*	22-1027	2nd*	22-1079	Original
22-924	Original	22-976	2nd*	22-1028	2nd*	22-1080	Original
22-925	Original	22-977	2nd*	22-1029	2nd*	22-1081	Original
22-926	2nd*	22-978	2nd*	22-1030	2nd*	22-1082	Original
22-927	Original	22-979	2nd*	22-1031	2nd*	22-1083	Original
22-928	Original	22-980	Original	22-1032	2nd*	22-1084	Original
22-929	Original	22-981	2nd*	22-1033	2nd*	22-1085	Original
22-930	Original	22-982	Original	22-1034	2nd*	22-1086	Original
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22-935	Original	22-987	Original	22-1039	2nd*	22-1091	Original
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22-937	Original	22-989	Original	22-1041	2nd*	22-1093	2nd*
22-938	Original	22-990	Original	22-1042	2nd*	22-1094	Original
22-939	Original	22-991	Original	22-1043	Original	22-1095	Original
22-940	Original	22-992	Original	22-1044	Original	22-1096	Original
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22-942	Original	22-994	Original	22-1046	Original	22-1098	Original
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22-944	Original	22-996	Original	22-1048	2nd*	22-1100	2nd*
22-945	Original	22-997	Original	22-1049	2nd*	22-1101	2nd*
22-946	Original	22-998	Original	22-1050	2nd*	22-1102	Original
22-947	2nd*	22-999	Original	22-1051	2nd*	22-1103	Original
22-948	2nd*	22-1000	Original	22-1052	2nd*	22-1104	2nd*
22-949	2nd*	22-1001	Original	22-1053	2nd*	22-1105	Original
22-950	2nd*	22-1002	Original	22-1054	2nd*	22-1106	2nd*
22-951	2nd*	22-1003	Original	22-1055	2nd*	22-1107	2nd*
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22-953	2nd*	22-1005	2nd*	22-1057	2nd*	22-1109	2nd*
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22-958	Original	22-1010	Original	22-1062	2nd*	22-1114	2nd*
22-959	Original	22-1011	Original	22-1063	2nd*	22-1115	2nd*
22-960	Original	22-1012	2nd*	22-1064	Original	22-1116	2nd*
22-961	Original	22-1013	2nd*	22-1065	2nd*	22-1117	2nd*
22-962	Original	22-1014	2nd*	22-1066	2nd*	22-1118	2nd*
22-963	2nd*	22-1015	2nd*	22-1067	Original	22-1119	2nd*
22-964	2nd*	22-1016	2nd*	22-1068	Original	22-1120	2nd*
22-965	2nd*	22-1017	2nd*	22-1069	Original	22-1121	2nd*

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22-1125	2nd	22-1178	2nd	22-1230	2nd	22-1283	2nd
22-1126	2nd	22-1179	2nd	22-1231	2nd	22-1284	2nd
22-1127	2nd	22-1180	2nd	22-1232	2nd	22-1285	2nd
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22-1129	2nd	22-1182	2nd	22-1234	2nd	22-1287	2nd
22-1130	2nd	22-1183	2nd	22-1235	2nd	22-1288	2nd
22-1131	2nd	22-1184	2nd	22-1236	2nd	22-1289	2nd
22-1132	2nd	22-1185	2nd	22-1237	2nd	22-1290	2nd
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22-1135	2nd	22-1188	2nd	22-1240	2nd	22-1293	Original
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22-1139	2nd	22-1192	2nd	22-1244	Original	22-1297	2nd
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22-1142	2nd	22-1195	2nd	22-1247	Original	22-1300	2nd
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22-1144	2nd	22-1197	2nd	22-1249	Original	22-1302	Original
22-1145	2nd	22-1198	2nd	22-1250	Original	22-1303	2nd
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22-1173	2nd	22-1226	2nd	22-1278	2nd	22-1331	2nd
22-1174	2nd			22-1279	2nd	22-1332	2nd

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22-1335	2nd	22-1388	Original	22-1441	Original	22-1494	Original
22-1336	2nd	22-1389	Original	22-1442	Original	22-1495	Original
22-1337	2nd	22-1390	Original	22-1443	Original	22-1496	1st
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22-1341	2nd	22-1394	Original	22-1447	Original	22-1500	Original
22-1342	2nd	22-1395	Original	22-1448	Original	22-1501	Original
22-1343	2nd	22-1396	Original	22-1449	Original	22-1502	Original
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22-1385	Original	22-1438	Original	22-1491	Original	22-1544	Original*

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22-1548	Original	22-1599	1st	22-1650	Original	22-1702	Original
22-1549	Original	22-1600	1st	22-1651	Original	22-1703	Original
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22-1595	1st	22-1646	Original	22-1697	Original	22-1749	Original
				22-1698	Original		

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22-1782	1st	22-1834	Original	22-1885	Original		
22-1783	1st	22-1835	Original	22-1886	Original		
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22-1800	1st	22-1852	Original				

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23-1	3rd	25-3	Original	26-12	2nd		
23-2	4th	25-4	Original	26-13	2nd		
23-3	6th	25-5	Original	26-14	2nd		
23-3.1	3rd	25-6	Original	26-15	2nd		
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23-7	4th	25-10	Original	26-19	2nd		
23-8	4th	25-11	Original	26-20	2nd		
23-9	4th	25-12	3rd	26-21	2nd		
23-10	5th	25-13	2nd	26-22	2nd		
23-11	5th	25-14	2nd	26-23	3rd		
23-12	3rd	25-14.1	Original	26-24	3rd		
23-13	3rd	25-15	1st	26-25	3rd		
23-14	3rd	25-15.1	Original	26-26	3rd		
23-15	5th	25-16	1st	26-27	2nd		
23-16	4th	25-16.1	Original	27-1	3rd		
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24-1.1	2nd	25-17.4	Original	27-6	2nd		
24-2	4th	25-17.5	Original	27-6.1	2nd		
24-3	4th	25-17.6	Original	27-7	2nd		
24-4	6th	25-17.7	Original	27-8	2nd		
24-5	4th	25-17.8	Original	27-9	2nd		
24-6	4th	25-17.9	Original	27-10	2nd		
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(x) Issued under authority of Special Permission No. 08-027 of the FCC in order to withdraw material filed under Transmittal No. 1690 without it becoming effective.

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⁽¹⁾ Material in this Section has been de-tariffed as required by the Commission upon use of the forbearance relief pursuant to FCC Memorandum Opinion and Order No. 07-180, released October 12, 2007. Terms and Conditions associated with de-tariffed services are available at www.att.com/guidebook.

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⁽¹⁾ Material in this Section has been de-tariffed as required by the Commission upon use of the forbearance relief pursuant to FCC Memorandum Opinion and Order No. 07-180, released October 12, 2007. Terms and Conditions associated with de-tariffed services are available at www.att.com/guidebook.

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23.⁽¹⁾

⁽¹⁾ Material in this Section has been de-tariffed as required by the Commission upon use of the forbearance relief pursuant to FCC Memorandum Opinion and Order No. 07-180, released October 12, 2007. Terms and Conditions associated with de-tariffed services are available at www.att.com/guidebook.

(This page filed under Transmittal No. 1746)

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		(D)
		(D)
		(D)

⁽¹⁾ Material in this Section has been de-tariffed as required by the Commission upon use of the forbearance relief pursuant to FCC Memorandum Opinion and Order No. 07-180, released October 12, 2007. Terms and Conditions associated with de-tariffed services are available at www.att.com/guidebook.

(This page filed under Transmittal No. 1762)

CONCURRING CARRIERS

|

NO CONCURRING CARRIERS

C
D

D

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

REGISTERED SERVICE MARKS

REGISTERED TRADEMARKS

NONE

NONE

(This page filed under Transmittal No. 1175)

- C - To signify changed regulation
- D - To signify discontinued rate or regulation
- I - To signify increase
- M - To signify matter relocated without change
- N - To signify new rate or regulation
- R - To signify reduction
- S - To signify reissued matter
- T - To signify a change in text but no change in rate or regulation
- Z - To signify a correction

EXPLANATION OF ABBREVIATIONS

- ac - alternating current
- ACA - Alternate Card Access
- ACAT - Additional Cooperative Acceptance Testing
- ADS - Ameritech Directory Search
- AIOD - Automatic Identified Outward Dialed
- ALN/LEX - Allnet/Lexitel
- AM - Access Minutes
- AMCI - Ameritech Mobile Communications, Inc.
- AML - Actual Measured Loss
- ANI - Automatic Number Identification
- NRS - Network Reconfiguration Service
- ANSI - American National Standards Institute
- AP - Program Audio
- APCC - Ameritech PrePaid Calling Card
- APP - Application Date
- ASCAI - Ameritech Switch to Computer Applications Interface

- AT&T - American Telephone and Telegraph Company
- AT&T-C - American Telephone and Telegraph Communications
- B - Bridging
- BD - Business Day
- BHMC - Busy Hours Minutes of Capacity
- BP - Billing Percentage
- BSE - Basic Service Element
- CCITT - Committee for International Telephone and Telegraph
- ccs - hundred call seconds
- CCS - Common Channel Signaling
- CCSA - Common Control Switching Arrangement
- CDLRD - Confirming Design Layout Report Date
- CI - Channel Interface

(T)

(This page filed under Transmittal No. 1357)

CIC	-	Carrier Identification Code
CM	-	Channel Mileage
CMT	-	Channel Mileage Termination
CST	-	Cooperative Scheduled Testing
CSU	-	Customer Service Unit
CT	-	Channel Termination
CO	-	Central Office
Cont'd	-	Continued
COS	-	Central Office Scanner
CPE	-	Customer Provided Equipment
CSFC	-	Circuit Switched Facility Control
CUG	-	Closer User Group
DA	-	Directory Assistance
DAL	-	Dedicated Access Line
dB	-	decibel
dc	-	direct current
DCP	-	Discount Commitment Program
DD	-	Service Date
DID	-	Direct Inward Dialing
DLR	-	Design Layout Report
DLRD	-	Design Layout Report Date
DNIS	-	Dialed Number Identification Service
DNAL	-	Dedicated Network Access Link
DNALT	-	Dedicated Network Access Link Termination
DSI	-	Digital Signal Incorporated
DTN	-	Data Terminal Number
DX	-	Duplex
ECCS	-	Electrical Cross-Connection Service
ECSA	-	Exchange Carriers Standards Association, Inc.
ELEPL	-	Equal Level Echo Path Loss
EPL	-	Echo Path Loss
ESS	-	Electronic Switching System
ETCA	-	Exchange Telephone Company A
ETCB	-	Exchange Telephone Company B
ET	-	Exchange Termination
EUCL	-	End User Common Line
f	-	Frequency
FCC	-	Federal Communications Commission
FGA	-	Feature Group A
FGB	-	Feature Group B
FGD	-	Feature Group D
FLL	-	Fixed Loss Loop
FID	-	Field Identifier

(D)

(This page filed under Transmittal No. 1809)

FX - Foreign Exchange
HC - high capacity (generic term)
Hz - Hertz

D

(This page filed under Transmittal No. 849)

Issued: January 5, 1995

Effective: January 20, 1995

Four AT&T Plaza, Dallas, Texas 75202

IAM	-	Initial Address Message	
IC	-	Interstate Customer	N
ICB	-	Individual Case Basis	
IDDD	-	International Direct Distance Dialing	
IP	-	Interconnection Point	
kbps	-	kilobits per second	
kHz	-	kilohertz	
LATA	-	Local Access and Transport Area	
LDC	-	Local Distribution Channel	
LIDB	-	Line Information Data Base	
LT	-	Local Transport Rate	
MAL	-	Mid-America Long Distance Co.	
Mbps	-	Megabits per second	
MECAB	-	Multiple Exchange Carrier Access Billing Guidelines	
MECOD	-	Multiple Exchange Carrier Ordering & Design Guidelines	
MFJ	-	Modification of Final Judgement	
MHz	-	Megahertz	
MLHG	-	Multiline Hunt Group	
MMUC	-	Minimum Monthly Usage Charge	
MRC	-	Monthly Recurring Charge	
MRCC	-	Maritime Radio Common Carrier	
MST	-	Manual Scheduled Testing	
MT	-	Metallic	
MTL	-	Maximum Termination Liability	
MTS	-	Message Telecommunications Service(s)	
NANP	-	North American Numbering Plan	
NC	-	Network Channel	
NCTA	-	Non-Conversation Time Additive	
NCTE	-	Network Channel Terminating Equipment	
NHN	-	Nonhunting Number	
NPA	-	Numbering Plan Area	
NRC	-	Nonrecurring Charge	
NST	-	Nonscheduled Testing	
NTS	-	Non-Traffic Sensitive	
NTN	-	Network Terminal Number	
NURE	-	Network Utilization Rate Element	
NXX	-	Three Digit Central Office Code	
OEIS	-	Optical/Electrical Interface Service	
ONA	-	Open Network Architecture	
ONAL	-	Off Network Access Line	Sy
ONSWC	-	Other Network Service Wire Center	
OPP	-	Optional Payment Plan	
OTPL	-	Zero Transmission Level Point	
PAD	-	Packet Assembler/Disassembler	
PBX	-	Private Branch Exchange	
PCA	-	Protective Connecting Arrangements	

y Material effective December 9, 1992 under Transmittal No. 674.

(This page filed under Transmittal No. 682)

PCC	-	Protocol Conversion Charge
PCM	-	Pulse Code Modulation
PI	-	Priority Installation
PIC	-	Presubscribed Interexchange Carrier
PICC	-	Primary Interexchange Carrier Charge
PIU	-	Percentage of Interstate Use
PLR	-	Private Line Ringdown
POT	-	Point of Termination
PR	-	Priority Restoration
PSDS	-	Public Switched Digital Service
PSN	-	Packet Switched Network ⁽¹⁾
PT	-	Point Termination
PVC	-	Permanent Virtual Circuit
RCC	-	Radio Common Carrier
rms	-	root-mean-square
RSM	-	Remote Switching Modules
RSS	-	Remote Switching System
SCP	-	Service Control Point
SI	-	Service Interface
SMDI	-	Simplified Message Desk Interface
SNC	-	Software Network Capability
SP	-	Signal Point
SPNP	-	Service Provider Number Portability
SRL	-	Singing Return Loss
SSN	-	Switched Service Network
SSP	-	Service Switching Point
STP	-	Signal Transfer Point
SS7	-	Signaling System 7
SWC	-	Serving Wire Center

(C)

⁽¹⁾ As of October 6, 2004, Packet Switched Network Service utilizing the X.75 protocol is obsolete and limited to existing installations, at existing locations, for existing customers.

(N)
(N)

(This page filed under Transmittal No. 1408)

TAP	- Telephone Assistance Plan	M
TES	- Telephone Exchange Service(s)	
TG	- Telegraph Grade	
TLP	- Transmission Level Point	
TLS	- T. S. Communications	
TRS	- Telecommunications Relay Services	
TRS-PT	- Telecommunications Relay Services Provider Transport	
TSP	- Telecommunications Service Priority	
TSPS	- Traffic Service Position System	
TT	- Text Telephone	
TV	- Television	
UCD	- Uniform Call Distribution	
USOC	- Uniform Service Order Code	
USTS	- United States Transmission System	
VG	- voice grade (generic term)	
V & H	- Vertical and Horizontal	
WA	- Wideband Analog	
WATS	- Wide Area Telecommunication Service(s)	
WD	- Wideband Data	
WTL	- Willtel or Williams Telecommunications	M

Certain material on this page previously appeared on 8th Revised Page 16.1.

(This page filed under Transmittal No. 1135)

The following is a listing of the Ameritech Operating Companies' Open Network Architecture (ONA) Basic Serving Arrangements (BSA) and Types. The names of the Ameritech Operating Companies BSA are the same as the industry standard names.

BSA Category 1 Circuit Switched BSA
 Circuit Switched Line
 Circuit Switched Trunk

BSA Category 2 Packet Switched BSA
 Packet Switched (X.25 Protocol)
 Packet Switched (X.75 Protocol)⁽¹⁾

BSA Category 3 Dedicated BSA
 Dedicated Voice Grade (Direct Analog)
 Dedicated Program Audio (Dedicated Program Audio)

 64.0 (Base Rate Service)
 Dedicated High Capacity (1.544 Mbps)(DS1 Service)
 Dedicated High Capacity (>1.544 Mbps)(DS3 Service)

BSA Category 4 Dedicated Network Access Link
 Circuit Switch Facility Control
 SMDI
 SMDI-E
 Signal Transfer Point
 Alarm
 Ameritech Switch to Computer Applications Interface

The following is a list of Ameritech Operating Companies' Open Network Architecture (ONA) Basic Service Elements (BSEs) which provides a mapping from the feature name utilized in this tariff to the industry standard feature name. Also indicated for each BSE is the associated BSA and the tariff section.

Information regarding the availability of the BSEs by central office switch type can be found in the Ameritech Operating Company Wire Center Database. This information can be provided on paper or diskette and can be obtained by contacting the customer's account representative or calling 1-800-451-5283.

AMERITECH OPERATING COMPANY NAMES	INDUSTRY STANDARD NAMES	
Calling Billing Number Delivery (ANI)	Calling Billing Number Delivery -	
- Circuit Switched-Trunk (FGD)	FGD Protocol	(D)
- Section 6		

(1) As of October 6 ,2004, Packet Switched Network Service utilizing the X.75 protocol is obsolete and limited to existing installations, at existing locations, for existing customers.

(This page filed under Transmittal No. 1809)

AMERITECH OPERATING COMPANY NAMES	INDUSTRY STANDARD NAMES	
Called Directory Number Delivery	Called Directory Number Delivery	
- Circuit Switched-Trunk (FGD)	Via 900NXX	(D)
- Section 6		
Preferential Hunting	Multiline Hunt Group	
- Circuit Switched-Line (FGA)		
- Circuit Switched-Trunk (FGD w/DAL)		(D)
- Section 6		
Central Office Announcements	Multiline Hunt Group - C.O.	
- Circuit Switched-Line (FGA)	Announcements	
- Section 6		
Make Busy Arrangements	Make Busy Key	
- Dedicated Network Access Link		
- Circuit Switched-Trunk (FGB, FGD)		
- Circuit Switched-Line (FGA)		
- Sections 6 and 8		
Uniform Call Distribution	Multiline Hunt Group - Uniform Call	
- Circuit Switched-Line (FGA)	Distribution Line Hunting	(D)
- Circuit Switched-Trunk (FGD w/DAL)		
- Section 6		
Queuing	Multiline Hunt Group - UCD with	
- Circuit Switched-Line (FGA)	Queuing	
- Section 6		
Regular Multiline Hunt Group	Multiline Hunt Group	
- Circuit Switched-Line (FGA)		
- Circuit Switched-Trunk (FGD w/DAL)		(D)
- Section 6		
Circular Multiline Hunt Group	Multiline Hunt Group	
- Circuit Switched-Line (FGA)		
- Circuit Switched-Trunk (FGD w/DAL)		(D)
- Section 6		

(This page filed under Transmittal No. 1809)

AMERITECH OPERATING COMPANY NAMES

INDUSTRY STANDARD NAMES

Multiline Hunt Group Overflow
- Circuit Switched-Line (FGA)
- Section 6

Multiline Hunt Group - Overflow

Nonhunting Number
- Circuit Switched-Line (FGA)
- Circuit Switched-Trunk (FGD w/DAL)
- Section 6

Multiline Hunt Group - Individual
Access to Each Port in Hunt Group

(D)

Remote Activation of Message Waiting
- Dedicated Network Access Link
- Section 8

Message Waiting Indicator - Activation
(Audible)

Three-Way Call Transfer
- Circuit Switched-Line (FGA)
- Section 6

Three Way Call Transfer

Call History Package Delivery
- Dedicated Network Access Link
- Section 8

Message Desk (SMDI)

Reverse Billing - Packet
- Packet
- Section 8

Reverse Charge Acceptance - Packet

Remote Activation of Message
Waiting - Expanded
- Dedicated Network Access Link
- Section 8

Message Waiting Indicator Activation
(Audible) - Expanded

(This page filed under Transmittal No. 1809)

AMERITECH OPERATING COMPANY NAMES

INDUSTRY STANDARD NAMES

Packet - Fast Select Acceptance - Packet - Section 8	Fast Select Acceptance - Packet	Sy Nx Nx
Packet - Closed User Groups - Packet - Section 8	Closed User Group - Packet	Sy Nx Nx
Packet - Hunt Groups - Packet - Section 8	Hunt Groups - Packet	Sy Nx Nx
Packet - Call Redirection - Packet - Section 8	Call Redirection - Packet	Sy Nx Nx
Bridging - Dedicated - Voice Grade - Dedicated - Digital - Section 7	Bridging	Sy Nx Nx
Conditioning - Dedicated - Voice Grade - Section 7	Conditioning	Sy Nx Nx
Secondary Channel - Dedicated-Digital - Section 7	Secondary Channel Capability	Sy Nx Nx
Answer Supervision with Line Side Interface - Circuit Switched-Line (FGA) - Section 6	Answer Supervision with a Line Side Interface	Sy Sy Nx Nx

Certain material on this page previously appeared on Original Page 16.3.

x Issued under authority of Special Permission Nos. 91-931 and 91-932.

y Material effective on the deferred date of November 26, 1991, under Transmittal No. 557.

(This page filed under Transmittal No. 573)

AMERITECH OPERATING COMPANY NAMES

INDUSTRY STANDARD NAMES

- Automatic Loop Transfer
 - Dedicated - High Capacity Digital
 - Section 7

- Access to Clear Channel Conditioning
 - Dedicated - High Capacity Digital
 - Section 7

- Ability to Reconfigure Networks
 - Dedicated Network Access Link
 - Sections 7 and 8

- Call History Package Delivery - Expanded
 - Dedicated Network Access Link
 - Section 8

- Automatic Protection Switching

- Access to Clear Channel Transmission

- Network Reconfiguration

- Message Desk (SMDI) - Expanded

- Multiplexing - Digital Ameritech Base Rate DS1 to Voice/Base Rate
 - Dedicated - High Capacity Digital
 - Section 7

Multiplexing - Digital

- Multiplexing - Digital Ameritech Base Rate DS3 to DS1
 - Dedicated - High Capacity Digital
 - Section 7

Multiplexing - Digital

(T)

- Special Facilities Routing
 - All BSAs
 - Section 11

Route Diversity

- Flexible ANI
 - Circuit Swiched-Trunk (FGD)
 - Section 6

Flexible ANI Information Digits

(This page filed under Transmittal No. 1357)

AMERITECH OPERATING COMPANY NAMES

INDUSTRY STANDARD NAMES

- Access to Extended Superframe
- Dedicated - High Capacity Digital
- Section 7

Extended Superframe
 Conditioning

- Notification of Subscriber Line Breaks
- Dedicated Network Access Link
- Section 8

Derived Channels
 (Monitoring)

- Basic Initial Address Message Delivery
- Circuit Switched-Trunk (FGD)
- Section 6

- Coordinated Voice and Data Delivery
- Dedicated Network Access Link
- Section 8

- Call Redirection
- Dedicated Network Access Link
- Section 8

- Computer Assisted Call Transfer
- Dedicated Network Access Link
- Section 8

- Computer Assisted Dialing
- Dedicated Network Access Link
- Section 8

- Direct Inward Dialing
- Circuit Switched Line
- Section 6

Direct Inward Dialing

N
 N

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(This page filed under Transmittal No. 760)

Whenever reference is made in this tariff to other tariffs, the reference is to the tariffs in force as of the effective date of this tariff, and to amendments thereto and successive issues thereof.

(This page filed under Transmittal No. 181)

Issued: May 29, 1988

Effective: June 13, 1988

Four AT&T Plaza, Dallas, Texas 75202

The following technical publications are referenced in this tariff and may be obtained from Bell Communications Research, Inc., Distribution Storage Center, 60 New England Ave., Piscataway, NJ 08852.

Technical Reference:

PUB 41004 Issued: October, 1973	Available: October, 1973	
PUB 41451 Issued: January, 1983	Available: May 17, 1983	
PUB 60101 Issued: December, 1982	Available: January 17, 1983	
PUB 62310 Issued: September, 1983	Available: October, 1983	
PUB 62411 Issued: September, 1983	Available: October, 1983	
TR-NWT-000334, Issue No. 3 Issued: March, 1993	Available: March, 1993	Tx Tx
TR-NPL-000335, Issue No. 1 Issued: June, 1986	Available: July, 1986	
TR-NPL-000336 Issued: October, 1987	Available: October, 1987	
TR-NPL-000337 Issued: July, 1987	Available: July, 1987	
TR-NPL-000338 Issued: December, 1986	Available: December, 1986	
TR-NPL-000054 Issued: April, 1989	Available: April, 1989	

(This page filed under Transmittal No. 715)

Issued: July 11, 1993

Effective: July 26, 1993

Four AT&T Plaza, Dallas, Texas 75202

TR-TSV-000338 Issued: August, 1993	Available: August, 1993	C C
TR-NPL-000339 Issued: October, 1987	Available: November, 1987	
TR-NPL-000340 Issued: October, 1987	Available: November, 1987	
TR-NPL-000341 Issued: March, 1989	Available: April, 1989	
TR-NPL-000157 Issue 1 Issued: September, 1985	Available: September, 1985	
Special Report SR-EOP-000191 Issue No. 1 Issued: April, 1985	Available: September, 1985	
TR-NPL-000054 Issued: April, 1989	Available: April, 1989	
TR-INS-000342 Issued: February, 1991	Available: March, 1991	
TR-NWT-000063 Issued: July, 1992	Available: July, 1991	

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(This page filed under Transmittal No. 987)

Issued: August 31, 1996

Effective: September 15, 1996

Four AT&T Plaza, Dallas, Texas 75202

TR-TSY-000521, Issue 2 Issued: August, 1988	Available: August, 1988
TR-TSV-000905, Issue 1 Issued: August, 1989	Available: September, 1989
TR-TSV-000905, Supplement 1 Issued: June, 1991	Available: June, 1991
TR-TSV-000954, Issue 2 Issued: November, 1992	Available: November, 1992
TR-NWT-001158, Issue 3 Issued: April, 1993	Available: April, 1993
TR-NWT-001149, Issue 2 Issued: January, 1992	Available: January, 1992
TR-NWT-001149, Revision 1 Issued: July, 1992	Available: July, 1993
GR-317-CORE, Issued 7 Issued: December, 2003	Available: December, 2003
GR-394-CORE, Issued 7 Issued: December, 2003	Available: December, 2003
GR-866-CORE, Revision 1 Issued: February, 1999	Available: February, 1999

(N)
(N)

(This page filed under Transmittal No. 1500)

The following technical publications are references in this tariff and may be obtained from Assistant Manager - Technical Information Release Management (TIRM) at (847) 248-4328, Ameritech Services, Inc., Room 3A09F, 2000 W. Ameritech Center Drive, Hoffman Estates, Illinois 60196-1025.

Tx

Technical Reference:

AM TR-OAT-000070 Issued: October, 1990	Available: October, 1990
AM TR-NPL-000001 Issued: December, 1985	Available: December, 1985
AM TR-NPL-000002 Issued: December, 1985	Available: December, 1985
AM TR-NPL-000003 Issued: December, 1985	Available: December, 1985
AM-TR-NTP-000119 Issued: November, 1993	Available: November, 1993
AM TR-ENG-000121 Issued: December, 1993	Available: December, 1993
AM-TR-NIS-000128 Issued: November, 1994	Available: November, 1994
AM-TR-NIS-000130 Issued: December, 1994	Available: March, 1995
AM-TR-NIS-000131 Issued: December, 1994	Available: December, 1994
AM-TR-NIS-000137 Issued: March, 1996	Available: March, 1996
AM TR-NPL-000016 Issued: January 9, 1996	Available: September, 1987
AM TR-NPL-000020 Issued: January 9, 1996	Available: September, 1987
AM TR-TMO-000072 Issued: October, 1990	Available: October, 1990
AM TR-NPL-000005 Issued: December, 1985	Available: December, 1985

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Issued: September 2, 1997

Effective: September 17, 1997

Four AT&T Plaza, Dallas, Texas 75202

Technical Reference (Cont'd):

AM TR-OAT-000064 Issued: August, 1991	Available: August, 1991	M M
AM TR-OAT-000069, Issue 2 Issued: April, 1992	Available: April, 1992	
AM-TR-TMO-000080 Issued: December, 1991	Available: December, 1991	
AM-TR-MKT-000066 Issued: January, 1991	Available: January, 1991	
AM-TR-TMO-000106 Issued: August, 1992	Available: August, 1992	
AM-TR-TMO-000101 Issued: August, 1992	Available: August, 1992	
AM-TR-TMO-000094 Issued: August, 1992	Available: September, 1992	
AM-TR-NIS-000097 Issued: May, 1992	Available: May, 1992	
AM-TR-NIS-000109, Issue 1 Issued: October, 1992	Available: October, 1992	
AM-TR-EEN-000011 Issued: September, 1992 Available: September, 1992		
AM-TR-EEN-000015 Issued: December, 1992 Available: December, 1992		
AM-TR-NIS-000111 Issued: February, 1993 Available: August, 1993		

Certain material on this page previously appeared on 11th Revised Page 19.2.

(This page filed under Transmittal No. 987)

Technical Reference (Cont'd):

SBC-TP-76412-000
Issued: March, 2003

Available: March, 2003

TP76200MP
Issued: October, 2003

Available: October, 2003

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(Dx)

(Sy)

(Sy)

(Nx)

(Nx)

(x) Issued under authority of Special Permission No. 03-107 of the FCC.

(y) Reissued material originally filed under Transmittal No. 1370 became effective on December 2, 2003.

(This page filed under Transmittal No. 1375)

Issued: December 11, 2003

Effective: December 12, 2003

Four AT&T Plaza, Dallas, Texas 75202

AM-TR-OAT-000025 Issued: January, 1989	Available: January, 1989	
AM-TR-OAT-000065 Issued: July, 1990	Available: July, 1990	
AM-TR-MKT-000071 Issued: December, 1990	Available: December, 1990	
AM-TR-NIS-000091 Issued: February, 1992	Available: February, 1992	
AM-TR-NIS-00145/00146 Issued: September, 1997	Available: September, 1997	Nx Nx

The following technical publication is referenced in this tariff and may be obtained from the Bell Communications Technical Education Center, 6200 Route 53, Lisle, IL 60532.

Telecommunications Transmission Engineering Volume 3 - Networks and Services (Chapter 6 and 7) Second Edition, 1977 Issued: June, 1980	Available, June, 1980
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The following publication is referenced in this tariff and may be obtained from the Federal Communications Commission's commercial contractor.

Exchange Carrier Association Tariff F.C.C. No. 4 and 5 Issued: March, 1984	Available, March, 1984
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The following publication, referenced in this tariff, is available for inspection in the Public Reference Room of the Tariff Division at the main building of the Federal Communications Commission located at 1919 M Street, N.W., Washington, D.C., and may be obtained from the Commission's commercial contractor:

CC Docket No. 83-1145, Phase I Memorandum Opinion and Order (Including Appendices A, B and C) Adopted: May 31, 1985	Released: June 12, 1985
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x Issued under authority of Special Permission No. 97-281.

(This page filed under Transmittal No. 1149)

The following publication is referenced in this tariff and may be obtained from Government Printing Office, Superintendent of Documents/Document Control Branch, 945 N. Capitol Street, NE, Washington, DC 20401.

Telecommunications Service Priority (TSP) System
National Security Emergency Preparedness (NSEP)
Service Vendor Handbook, M 3-1-2
Service User Manual, M-3-1-1
Issued: July 9, 1990

Available: September, 1990

The following publications are referenced in this tariff and may be obtained from Bell Communications Research, Inc., Distribution Storage Center, 60 New England Ave., Piscataway, NJ 08852.

Report of the Meet Point Billing Task Force, Ordering and Billing
Forum, Exchange Carriers Standards Association, Inc.
Issued: December, 1986
Available: December, 1986

Multiple Exchange Carrier Access Billing Guidelines (MECAB)
Issued: November, 1987
Effective: November, 1987

Multiple Exchange Carrier Ordering and Design Guidelines (MECOD)
Issued: June, 1987
Available: June, 1987

LATA Switching System Generic Requirements (LSSGR)
Document No. 20-24-0030
Available: September, 1989

Operator Service System Generic Requirements (DSSGR)
Available: March, 1988

The following publications are referenced in this tariff and may be obtained from OBF Document Orders, ATIS, 1200 G. Street, NW, Suite 500, Washington, DC 200015, Telephone 1-800-387-2199, FAX 202 393-5453, or www.atis.org.

ATIS/OBF-ASR-041
Available: February, 1999

(N)
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(N)

(This page filed under Transmittal No. 1246)

The following publications are referenced in this tariff and may be obtained from American National Standard Institute, 11 West 42nd St., New York, N.Y. 10036 Telephone 212 642-4900, FAX 212 398-0023 or www.ansi.org

ANSI T1.227-1995, Extension to Generic Network Model for Interfaces between Operations Systems across Jurisdictional Boundaries to Support Fault Management
Issued: October, 1995 Available: October, 1995

ANSI T1.228-1995, Extension to Generic Network Model for Interfaces between Operations Systems across Jurisdictional Boundaries to Support Fault Management (Trouble Administration)
Issued: September, 1999 Available: September, 1999

The Technical Reference can be obtained from:

<http://www.att.com/gen/public-affairs?pid=3181>

(T)

The Telecordia Technologies Research Publication(s) can be obtained from 8 Corporate Place Piscataway, New Jersey 08854

AM TR-NIS-000100, Ameritech LAN Interconnect Service-Token Ring Interface Specifications
Available: March, 2003

AM TR-NIS-000104, Ameritech LAN Interconnect Service –CSMA /CD Interface Specifications
Available: March, 2003

AM-TR-NIS-000111, OC-3, OC-12, and OC-48 Service Interface Specifications
Available: March, 2003

AM-TR-TMO-000101, Digital Service Transmission Parameters
Available: March, 2003

AM-TR-TMO-000080, Ameritech Service's Network Channel and Network Channel Interface Codes
Available: March, 2003

AM-TR-NIS-000096, Ameritech Technical Interfaces Specifications
Available: March, 2003

AM-TR-NIS-000107, (ESCON™)
Available: March, 2003

IBM SA22-7202-XX, IBM Documentation (ESCON™)
IBM SA22-0394-XX
Available: March, 2003

ANSI X3.T9.3, Fibre Channel (also includes FICON™ and ISC™)
ANSI/IEEE 802.3, Fast Ethernet
Available: March, 2003

IEEE 802.3x and z, Gigabit Ethernet
IEEE 802.3ae
IEEE 802.1d
Available: March, 2003

ANSI/SMPTE 259M, D1 Video
Available: March, 2003

(This page filed under Transmittal No. 1701)

Effective: September 2, 2009

ACCESS SERVICE
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23-38	Original*	25-17.4	Original	27-8	2nd		
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24-18	2nd	26-6	3rd	27-10	2nd		
24-19	2nd	26-7	2nd	27-11	2nd		
24-20	2nd	26-8	2nd	27-12	2nd		
24-21	4th	26-9	2nd	27-13	2nd		
24-22	3rd	26-10	2nd	27-14	2nd		
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(This page filed under Transmittal No. 1820)