

**TARIFF DISTRIBUTION**

FILE PACKAGE NO.: 1882

DATE: November 20, 2019

STATE: AIT-FCC

EFFECTIVE DATE: 11/20/2019

TYPE OF DISTRIBUTION: Approved

PURPOSE: MW FCC #1 VG/DS0 Grandfather

<b><u>TARIFF SECTION</u></b>	<b><u>PAGE NUMBER</u></b>	<b><u>PAGE REVISION</u></b>
2000	1.5	0245
2000	1.6	0213
2000	1.7	0160
2000	1.8	0137
2000	1.9	0161
2007	233	0012
2007	233.1	0015
2007	242	0021
2007	244	0028
2007	244.1	0013
2007	245	0007
2007	246	0007
2007	247	0008
2007	247.1	0002
2007	248	0011
2007	249	0007
2007	250	0004
2007	252	0006
2007	253	0007
2007	254	0006
2007	255	0008
2007	255.1	0002
2007	256	0008
2007	256.1	0001
2007	257	0003
2007	258	0003
2007	268	0019
2007	268.1	0015
2007	268.3	0007
2007	269	0018
2007	270	0022

2007	271	0029
2007	272	0012
2007	272.1	0007
2007	272.3	0014
2007	272.5	0011
2007	272.6	0006
2007	297.3	0008
2007	298.1	0008
2007	299	0011
2007	299.1.1	0003
2007	300.1	0021
2007	304	0026
2007	306	0010
2007	307	0007
2007	310	0032
2007	315	0030
2007	320	0058
2007	321	0029
2007	323	0024
2007	324	0028
2007	325	0026
2007	326.1	0030
2007	355	0034
2007	356	0021
2007	410	0065
2007	410.1	0033
2007	410.2	0012
2007	445.1	0032
2007	445.1.1	0032
2007	445.2.2	0002

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
220	6th	230.5.1.1	6th	237.2	3rd	260.5	2nd
220.1	8th	230.5.1.2	3rd	237.3	5th	261	7th
220.2	11th	230.5.1.3	3rd	238	5th	261.1	3rd
220.3	15th	230.5.1.4	3rd	239	2nd	262	5th
220.4	9th	230.6	10th	240	3rd	263	2nd
220.5	15th	230.6.1	6th	241	8th	264	4th
221	18th	230.6.1.1	1st	242	21st*	265	7th
221.1	2nd	230.6.1.2	1st	243	4th	266	7th
222	5th	230.6.1.3	1st	244	28th*	267	9th
223	11th	230.6.1.4	Original	244.1	13th*	267.1	5th
224	3rd	230.6.2	4th	245	7th*		
224.1	3rd	230.6.3	1st	246	7th*		
225	19th	230.6.4	1st	247	8th*		
225.1	13th	230.6.5	1st	247.1	2nd*		
225.1.1	2nd	230.6.6	Original	248	11th*		
225.2	5th	230.6.7	Original	249	7th*		
225.3	1st	230.7	3rd	250	4th*		
226	11th	230.8	Original	251	3rd		
227	12th	230.9	Original	252	6th*		
228	27th	230.10	Original	253	7th*		
229	13th	230.11	Original	254	6th*		
230	8th	230.12	Original	255	8th*		
230.1	13th	230.13	Original	255.1	2nd*		
230.2	43rd	230.14	Original	256	8th*		
230.2.1	18th	230.15	1st	256.1	1st*		
230.2.2	8th	230.16	Original	257	3rd*		
230.2.3	11th	231	52nd	258	3rd*		
230.2.3.1	5th	231.1	9th	259	8th		
230.2.4	1st	231.2	4th	259.1	4th		
230.2.5	1st	231.3	3rd	259.1.1	5th		
230.2.6	1st	231.4	3rd	259.2	6th		
230.2.7	1st	232	12th	259.3	7th		
230.3	39th	233	12th*	259.3.1	4th		
230.3.1	15th	233.1	15th*	259.4	2nd		
230.3.2	2nd	234	17th	259.5	8th		
230.4	33rd	234.1	Original	259.6	Original		
230.4.1	17th	235	13th	260	8th		
230.4.2	7th	235.1	1st	260.1	10th		
230.4.3	11th	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	18th	237.1	3rd	260.4	2nd		

\* New or Revised Page

(This page filed under Transmittal No. 1882 )

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
268	19th*	274	15th	278	7th
268.1	15th*	274.1	15th	279	4th
268.2	5th	274.1.1	8th	280	2nd
268.3	7th*	274.1.1.1	15th	281	6th
269	18th*	274.1.1.1.1	2nd	281.1	2nd
270	22nd*	274.1.1.2	11th	282	7th
271	29th*	274.1.2	16th	282.1	4th
272	12th*	274.1.2.1	2nd	283	4th
272.1	7th*	274.1.3	9th	284	4th
272.2	6th	274.2	16th	285	4th
272.3	14th*	274.2.1	10th	286	6th
272.4	10th	274.3	10th	286.1	5th
272.4.1	11th	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	3rd	274.3.2.1	9th	288	3rd
272.4.2	9th	274.4	5th	289	3rd
272.4.3	6th	274.5	5th	290	4th
272.5	11th*	274.5.1	4th	291	3rd
272.6	6th*	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	8th*
273.2.2	5th	274.11	2nd	298	12th
273.2.3	6th	274.12	5th	298.1	8th*
273.2.4	5th	274.12.1	6th	299	11th*
273.2.5	5th	274.12.1.2	4th	299.1	7th
273.3	12th	274.12.1.3	4th	299.1.1	3rd*
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	21st*
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		

\* New or Revised Page

(This page filed under Transmittal No. 1882 )

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
300.8	8th	309.3	16th	309.16	4th
300.9	6th	309.4	9th	309.17	4th
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	32nd*
300.12	6th	309.8	7th	311	13th
300.13	8th	309.9	7th	312	14th
301	2nd	309.10	5th	312.1	1st
302	1st	309.11	5th	313	11th
303	12th	309.12	13th	314	11th
303.1	3rd	309.12.1	3rd	315	30th*
304	26th*	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	10th*	309.12.6	1st	319	10th
306.1	4th	309.12.7	1st	320	58th*
307	7th*	309.12.8	2nd	321	29th*
308	23rd	309.12.9	1st	322	13th
308.1	11th	309.12.10	2nd	323	24th*
309	55th	309.12.11	2nd	324	28th*
309.1	42nd	309.12.11.1	1st	325	26th*
309.1.1	29th	309.12.12	2nd	326	27th
309.1.1.1	15th	309.12.12.1	1st	326.1	30th*
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	33rd	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		

\* New or Revised Page

(This page filed under Transmittal No. 1882 )

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
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	65th*
343	10th	373	3rd	410.1	33rd*
344	11th	374	2nd	410.2	12th*
345	10th	375	3rd	410.3	4th
346	10th	376	3rd	410.4	Original
347	10th	377	2nd	411	52nd
347.1	3rd	378	3rd	411.1	20th
348	12th	379	3rd	411.2	13th
349	8th	380	2nd	411.3	5th
350	8th	381	3rd	411.4	12th
351	10th	382	3rd	411.5	5th
352	8th	383	2nd	412	40th
353	8th	384	3rd	412.1	5th
354	8th	385	4th	412.2	4th
354.1	3rd	386	4th	412.3	4th
355	34th*	387	3rd	413	42nd
356	21st*	388	3rd	413.1	14th
357	14th	389	3rd	413.1.1	1st
358	12th	390	3rd	413.1.2	4th
359	15th	391	3rd	413.1.3	4th
359.1	1st	392	3rd	413.1.4	4th
360	13th	393	3rd	413.2	13th
360.1	1st	394	3rd	413.2.1	11th
361	13th	395	25th	413.2.1.1	4th
362	11th	396	21st	413.2.1.2	4th
363	10th	397	20th	413.2.1.3	8th
364	8th	398	22nd	413.2.2	18th
365	31st	399	10th	413.2.3	14th
365.1	10th	400	21st	413.2.4	13th
365.1.1	3rd	401	24th	413.2.5	12th
366	25th	401.1	2nd	413.2.6	18th

\* New or Revised Page

(This page filed under Transmittal No. 1882 )

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	31st	425	12th	445.1.7	6th
415.2	3rd	425.1	1st	445.2	21st
416	20th	425.2	7th	445.2.1	9th
417	39th	425.2.1	2nd	445.2.2	2nd*
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	32nd*	449.13	9th
421	25th	445.1.1	32nd*	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		

\* New or Revised Page

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Following is a brief description of each type of channel:

Metallic<sup>(1)</sup> - a channel for the transmission of low speed varying signals at rates up to 30 baud. (N)

Telegraph Grade<sup>(1)</sup> - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud. (N)

Direct Analog<sup>(1)</sup> - A channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz. (N)

Dedicated Access Line (DAL)<sup>(1)</sup> - a channel from a customer designated premises to a WATS serving office for 800 Service, WATS or similar services. (N)

Program Audio<sup>(2)</sup> - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 50 to 15000 Hz, from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz. (N)

Video - a channel for the analog or digital transmission of a standard 525 line/60 field monochrome or National Television Systems Committee color video signal and from one to four associated 5 or 15 kHz audio signals. The bandwidth for an analog Video channel is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz.

- (1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024. (N)
- (2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020. (N)

(This page filed under Transmittal No. 1882 )



7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Base Rate Services<sup>(1)</sup> - a channel for the digital transmission of serial data at discrete bit rates of 2.4, 4.8, 9.6, 19.2, 56.0 and 64.0 Kbps. (N)

DS1 Service - a channel for the digital transmission of serial data at a discrete bit rate of 1.544 Mbps.

DS3 Service - a channel for the digital transmission of serial data at the discrete bit rate of 44.736 Mbps.

OC-3 Service - a channel for the optical transmission of data based upon the Synchronous Optical Network (SONET) at a rate of 155.52 Mbps.

OC-12 Service - a channel for the optical transmission of data based upon the Synchronous Optical Network (SONET) at a rate of 622.08 Mbps.

OC-48 Service - a channel for the optical transmission of data based upon the Synchronous Optical Network (SONET) at a rate of 2488.32 Mbps.

OC-192 Service – a channel for the optical transmission of data based upon the Synchronous Optical Network (SONET) at the rate of 9953.28 Mbps.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024. (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.2 Service Descriptions

For the purposes of ordering, the categories of Special Access Service are:

Metallic (MT) <sup>(1)</sup>	(N)
Telegraph Grade (TG) <sup>(1)</sup>	(N)
Direct Analog Service (VG) <sup>(1)</sup>	(N)
Dedicated Access Line (DAL) <sup>(1)</sup>	(N)
Program Audio (AP) <sup>(2)</sup>	(N)
Video (TV) (WV)	
DS1 Service (HC1) (HX)	
DS3 Service (HC3)	
Base Rate Services (DA1 to DA6) <sup>(1)</sup>	(N)
OC-3 Service (HO3)	
OC-12 Service (HO12)	
OC-48 Service (HO48)	
OC-192 Service (HO192)	

Each service consists of a basic channel to which a technical specifications package (customized or predefined), network channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered, the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours and charges to be billed before any further action is taken on the order.

The channel description (NC code) specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging, cross-connection or multiplexing functions are performed.

- (1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024. (N)
- (2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020. (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this tariff. All services installed after the effective date of this tariff will conform to the transmission specification or standards contained in this tariff or in the following Technical References for each category of service:

Metallic <sup>(1)</sup>	TR-NPL-000336	(N)
Telegraph <sup>(1)</sup>	TR-NPL-000336	(N)
Direct Analog Service <sup>(1)</sup>	*TR-NPL-000335	(N)
	*PUB 41004, Table 4	
Dedicated Access Line <sup>(1)</sup>	TR-NPL-000334	(N)
Program Audio <sup>(2)</sup>	TR-NPL-000337	(N)
Video	TR-TSV-000338	
	AM-TR-NTP-000119	
	AM-TR-NIS-000131	
	AM-TR-NIS-000137	
Base Rate <sup>(1)</sup> Services	*TR-NPL-000341	(N)
	AM-TR-OAT-000070	
DAL	AM-TR-NPL-000005	
Secondary Channel	*TR-NPL-000157	
DS1 Service	TR-INS-000342	
	*PUB 62411	
	AM-TR-TMO-000106	
	AM-TR-TMO-000101	

\* In these publications, Direct Analog Service is referred to as Voice Grade Service, Base Rate Service as Digital Data Service and DS1 Service and DS3 Service as High Capacity Service.

- (1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024. (N)
- (2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020. (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

Clear Channel Capability DS3 Service	*TR-NPL-000054 TR-INS-000342
Optical Interface: OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service	AM-TR-TMO-000072, AM-TR-TMO-000101 and AM-TR-NIS-000111

7.2.1 Metallic Service<sup>(1)</sup>

(N)

(A) Basic Channel Description

A Metallic channel is an unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic channels are provided between customer designated premises. Interoffice metallic facilities will be limited in length to a total of five miles per channel, and be provided where facilities are available. Interoffice metallic facilities (wire pairs) are in diminishing supply, and can be expected to become less available as optical fiber is deployed and wire cables are removed.

\* In these publications, Direct Analog Service is referred to as Voice Grade Service and Base Rate Service as Digital Data Service, and DS1 Service and DS3 Service as High Capacity Service.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Metallic Service (Cont'd)<sup>(1)</sup>

(N)

(B) Technical Specifications Packages

Parameter	C	Package MT		
		1	2	3
DC Resistance Between Conductors	X	X	X	
Loop Resistance	X			X
Shunt Capacitance	X			X

The technical specifications are delineated in Technical Reference TR-NPL-000336.

(C) Network Channel Interfaces

Compatible network channel interfaces are set forth in 7.3 following.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.2 Telegraph Grade Service<sup>(1)</sup>

(N)

(A) Basic Channel Description

A Telegraph Grade Channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation. Telegraph Grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

(B) Technical Specifications Packages

Parameter	Package TG -		
	C	1	2
Telegraph Distortion	X	XX	

The technical specifications are delineated in Technical Reference TR-NPL-000336.

(C) Network Channel Interfaces

Compatible network channel interfaces are set forth in 7.3 following.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service <sup>\*(1)</sup>

(N)

(A) Basic Channel Description

- (1) A Direct Analog Service channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Direct Analog Service channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.
- (2) Direct Analog Service may be ordered to allow connections between the customer designated premises and wire center which provides Other Network Services.

(a) Dedicated Access Line (DAL)

A Dedicated Access Line Service provides a channel for voice frequency transmission capability. The service provides a connection between the customer designated premises and a WATS serving office associated with the closed end of 800 Service, WATS or similar services. It is provided for use with Switched Access Service as set forth in Section 6 preceding, or as set forth in the intrastate Access Service tariff and/or local general services tariff of the Telephone Company. Switched access traffic delivered by means of a Dedicated Access Line is subject to Switched Access Service provisions of the applicable tariff. The jurisdiction of the Switched Access Service shall be determined as set forth in 2.3.10(E) preceding.

The choice of the type of signaling is at the option of the customer and subject to the technical limitations identified in the Technical Reference TR-NPL-000334. Dedicated Access Line Service is provided as an effective two-wire or an effective four-wire transmission path.

\* Also referred to as Voice Grade Service in Technical References.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)  
 7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)<sup>(1)</sup>

(N)

(B) Technical Specifications Packages

Parameter	C*	Package VG-											
		1	2	3	4	5	6	7	8	9	10	11	12
Attenuation													
Distortion	X	X	X	X	X	X	X	X	X	X	X	X	X
C-Message Noise	X	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control	X	X	X	X		X		X	X			X	X
Envelope Delay													
Distortion	X						X	X	X	X	X	X	X
Frequency Shift	X						X	X	X	X	X	X	
Impulse Noise	X					X	X	X	X	X	X	X	X
Intermodulation													
Distortion	X						X	X	X	X	X	X	
Loss Deviation	X	X	X	X	X	X	X	X	X	X	X	X	X
Phase Hits, Gain Hits, and Dropouts	X												
Phase Jitter X					X	X	X	X	X	X			
Signal-to-C-Message Noise				X									
Signal-to-C-Notch Noise	X					X	X	X	X	X	X	X	X

Package DAL

Parameters	1	2
Attenuation Distortion	X	X
C-Message Noise	X	X
Echo Control	X	X
Envelope Delay	X	X
Distortion		
Frequency Shift	X	X
Impulse Noise	X	X
Intermodulation	X	X
Distortion		
Loss Deviation	X	X
Phase Jitter	X	X
Signal-to-C	X	X
Notch Noise		

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )



## ACCESS SERVICE

## 7. Special Access Service (Cont'd)

## 7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)<sup>(1)</sup>

(N)

## (B) Technical Specifications Packages (Cont'd)

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference TR-NPL-000334 and TR-NPL-000335. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference PUB 41004, Table 4.

## (C) Network Channel Interfaces

The following network channel interfaces for Direct Analog Service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following network channel interfaces for Direct Analog Service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF.

The following interfaces are available with DAL Service:  
LO, LS, DS, GO, GS, EA, EB, RV.

Compatible network channel interfaces are set forth in 7.3 following.

## (D) Optional Features and Functions

## (1) Central Office Bridging Capability

- (a) Voice and DAL Bridging (two-wire and four-wire)
- (b) Data Bridging (two-wire and four-wire)

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)

(N)

(This page filed under Transmittal No. 1882 )

## ACCESS SERVICE

## 7. Special Access Service (Cont'd)

## 7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)<sup>(1)</sup>

(N)

## (D) Optional Features and Functions (Cont'd)

## (2) Reserved for Future Use

## (3) Conditioning

Conditioning provides more specific transmission characteristics for Direct Analog Service. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic loops.

In addition, a customer may desire that either the attenuation distortion or the envelope delay distortion, or both, be improved to more stringent specifications than those provided with C-Type conditioning. In such cases the customer has the option of ordering Improved Attenuation Distortion and Improved Envelope Delay Distortion, either separately or in combination, in lieu of C-Type conditioning. When either improved option (Improved Attenuation Distortion or Improved Envelope Delay Distortion) is ordered without the other, the performance specifications for the other parameter will be those provided with C-Type conditioning at no additional charge.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid-link or end-link. C-Type conditioning and Data Capability may be combined on the same service.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)

(N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)<sup>(1)</sup>

(N)

(D) Optional Features and Functions (Cont'd)

(3) Conditioning (Cont'd)

(a) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are as set forth in the Technical References specified in 7.2.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
|  
(N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)<sup>(1)</sup>

(N)

(D) Optional Features and Functions (Cont'd)

(3) Conditioning (Cont'd)

(b) Improved Attenuation Distortion

Improved attenuation distortion is provided for additional control of attenuation distortion, and is provided in lieu of C-Type conditioning. The improved attenuation distortion specifications are as set forth in the Technical Reference specified in 7.2.

(c) Improved Envelope Delay Distortion

Improved envelope delay distortion is provided for additional control of envelope delay distortion and is provided in lieu of C-Type conditioning. The improved envelope delay distortion specifications are as set forth in the Technical Reference specified in 7.2.

(d) Sealing Current Conditioning

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type network channel interfaces.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

## ACCESS SERVICE

## 7. Special Access Service (Cont'd)

## 7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)<sup>(1)</sup>

(N)

## (D) Optional Features and Functions (Cont'd)

## (4) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. The level must be within a specific range delineated in Technical Reference TR-NPL-000335 and associated Addendum.

## (5) Improved Termination

On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Termination parameters are delineated in Technical Reference TR-NPL-000335.

## (6) Improved Return Loss

On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-NPL-000335.

## (7) Data Capability

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or multipoint services.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
|  
(N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)<sup>(1)</sup>

(N)

(D) Optional Features and Functions (Cont'd)

(7) Data Capability (Cont'd)

The Signal to C-Notched Noise Ratio and intermodulation distortion parameters for Data Capability are:

- Signal to C-Notched Noise Ratio is equal to or greater than 32dB
- Intermodulation distortion:
  - Signal to second order modulation products (R2) is equal to or greater than 38dB
  - Signal to third order modulation products (R3) is equal to or greater than 42dB

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(8) Reserved for Future Use

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

## ACCESS SERVICE

## 7. Special Access Services (Cont'd)

## 7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)<sup>(1)</sup>

(N)

## (D) Optional Features and Functions (Cont'd)

## (9) Signaling Capability

Signaling Capability provides for the process by which one customer premises alerts another customer premises on the same service with which it wishes to communicate.

## (10) Reserved for Future Use

## (11) Reserved for Future Use

## (12) DAL Options

## (a) DAL Improved Voice Transmission

## (i) Improved two-wire voice transmission

## (b) Other Options

Certain other options associated with DAL services are either Line Termination or Common Switching optional features as defined in Section 6 preceding.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)

(N)

(This page filed under Transmittal No. 1882 )

## ACCESS SERVICE

## 7. Special Access Services (Cont'd)

## 7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)<sup>(1)</sup>

(N)

## (D) Optional Features and Functions (Cont'd)

## (13) Line-Powered Data Station Termination Unit (DST)

Line-powered DSTs are available at customer-designated premises in lieu of commercial-powered DSTs. This option is available on new and existing channels with two-wire or four-wire, two-point or multi-point channels.

## (14) DS0 Fiber Hub Cross-Connection

An arrangement to cross-connect DS0 (Direct Analog to Direct Analog) terminations at all designated Fiber Hub locations (described in 7.4.10 following).

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
|  
(N)

(This page filed under Transmittal No. 1882 )



ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)<sup>(1)</sup>

(N)

(E) The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package VG-												
	C	1	2	3	4	5	6	7	8	9	10	11	12
C-Type Conditioning Central Office Bridging Capability	X					X	X	X	X	X	X		
Central Office Multiplexing	X		X			X	X				X	X	X
Code Select Signaling Arrangement	X		X				X						
Customer Specified Premises Receive Level	X		X	X				X	X	X			
Data Capability	X						X	X			X		
Improved Attenuation Distortion	X					X	X	X	X	X	X		
Improved Envelope Delay Distortion	X					X	X	X	X	X	X		
Improved Termination	X	X	X	X	X	X	X	X	X	X	X	X	X
Improved Return Loss For Effective Two-Wire Transmission	X		X	X				X					
Sealing Current Conditioning	X					X	X				X		
Signaling Capability	X	X	X	X				X	X	X			

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
|  
(N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)<sup>(1)</sup>

(N)

(F) Four-Wire/Two-Wire Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Local Distribution Channel rate.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
|  
(N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.4 Program Audio Service<sup>(1)</sup>

(N)

(A) Basic Channel Description

A Program Audio channel is a channel measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the network channel interface selected by the customer. Only one-way transmission is provided. Program Audio channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

(B) Technical Specifications Packages

Package AP-

Parameter	C*	1	2	3	4
Actual Measured Loss		X	X	X	X
Amplitude Tracking					
Crosstalk		X	X	X	X
Distortion Tracking		X			
Gain/Frequency					
Distortion		X	X	X	X
Group Delay		X			
Noise		X	X	X	X
Phase Tracking		X			
Short-Term Gain					
Stability		X			
Short-Term Loss		X			
Total Distortion		X	X	X	X

The technical specifications are delineated in Technical Reference TR-NPL-000337 and associated addendum.

(C) Network Channel Interfaces

The following network channel interfaces (CIs) define the bandwidths that are available for a Program Audio channel:

\* The desired parameters are selected by the customer from the list of available parameters.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.4 Program Audio Service (Cont'd)<sup>(1)</sup>

(N)

(C) Network Channel Interfaces (Cont'd)

CI	Bandwidth
PG-1	Nominal frequency from 50 to 15000 Hz
PG-3	Nominal frequency from 200 to 3500 Hz
PG-5	Nominal frequency from 100 to 5000 Hz
PG-8	Nominal frequency from 50 to 8000 Hz

Compatible network channel interfaces are set forth in 7.3 following.

(D) Optional Features and Functions

(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to 0dB + 0.5 dB.

(3) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (Additional AP channel must be ordered separately.)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package AP-				
	C	1	2	3	4
Central Office Bridging CapabilityXXXXX					
Gain Conditioning	X	X	X	X	X
Stereo	X				X

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

## ACCESS SERVICE

## 7. Special Access Service (Cont'd)

## 7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services<sup>(2)</sup>, DS1 Service and DS3 Services

(N)

## (A) Basic Channel Description

## (1) General

Base Rate channels, DS1 channels, and DS3 channels provide digital transmission at the discrete bit rates of 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56.0 Kbps, 64.0 Kbps, and 1.544 Mbps and 44.736 Mbps, with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. These services provide digital transmission with the following characteristics:

- Base Rate Services provide channels operating at terminating bit rates of 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps and 56.0 Kbps, and 64.0 Kbps;
- DS1 Service provides channels operating at the terminating bit rate of 1.544 Mbps; and,
- DS3 Service provides channels operating at the terminating bit rate of 44.736 Mbps.

Base Rate, DS1 and DS3 channels may be used to connect:

- a customer designated premises to another customer designated premises, or;
- a customer designated premises to a Telephone Company location where bridging, cross-connection or multiplexing functions are performed; or an ARS system location.
- two NRS<sup>(1)</sup> system locations may be connected via Base Rate, DS1 or DS3 Channel Mileage and Channel Mileage Terminations to interconnect Base Rate, DS1 or DS3 channels included in the customer's database for the Network Reconfiguration Service (described in 7.4.14(B)).

(1) Effective December 5, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers, and NRS service agreements may no longer be renewed. Effective July 31, 2022, the Telephone Company will no longer accept new requests for physical changes to existing service arrangements including the upgrade or downgrade of access/port speed, installation of new service, or moves to different service addresses.

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)

(N)

(This page filed under Transmittal No. 1882 )

## 7. Special Access Service (Cont'd)

## 7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services<sup>(2)</sup>, DS1 Service and DS3 Service (Cont'd)

(N)

## (A) Basic Channel Description (Cont'd)

## (1) General (Cont'd)

Digital transmission paths for Base Rate Services, DS1 Service, and DS3 Service are differentiated by bit rate, and the quality of transmission is as delineated by the Channel Interface definitions in the Technical Reference Publications cited in Section 7.2 preceding. Customer options are available to customize the channels.

Base Rate Services, DS1 Service and DS3 Service channels may be connected to any other Base Rate Service, DS1 Service or DS3 Service at a Telephone Company Hub, and to certain other Special Access services as described in Section 7.2.9(B)(4)(f) following. When a customer orders service to a Telephone Company Hub, it is the customer's responsibility to assure that the channels connected at the Hub are compatible. Compatible network channel interfaces for interstate Special services are listed in Section 7.3 following.

When service is provided between a customer designated premises and a Telephone Company Fiber Hub location, listed in 7.4.10 following, that service is considered to end at the Fiber Hub location. Performance of the service is measured between the customer designated premises and the Fiber Hub location. Interconnection at the Fiber Hub is limited to DS1 Service and DS3 Service channels terminating at speeds of 1.544 and 44.736 Mbps, only (not available with DS1 - 128.0, 256.0, 384.0, 512.0, and 768.0 Kbps transport).

When service is provided between a customer designated premises and an NRS<sup>(1)</sup> system location, that service is considered to end at the NRS system location. Performance of the service is measured between the customer designated premises and the NRS system location. When service is provided between two NRS system locations, that service is considered to end at the NRS system locations, and performance of the service is measured between these two locations. Interconnection at the NRS system location is limited to DS3, DS1 (1.544 Mbps and 128 - 768 Kbps) and Base Rate Services (2.4 - 64 Kbps) channels.

(1) Effective December 5, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers, and NRS service agreements may no longer be renewed. Effective July 31, 2022, the Telephone Company will no longer accept new requests for physical changes to existing service arrangements including the upgrade or downgrade of access/port speed, installation of new service, or moves to different service addresses.

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)

(N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services<sup>(1)</sup>, DS1 Service and DS3 Services (Cont'd)

(N)

(A) Basic Channel Description (Cont'd)

(2) Connection with Other Network Services

(a) Dedicated Access Line (DAL) (Cont'd)

(ii) Base Rate Service (56 Kbps) DAL

A Dedicated Access Line can be provided as an Base Rate Service (56 Kbps) transmission path between a customer designated premises and a Public Switched Digital Service (PSDS) serving office. An Base Rate Service (56 Kbps) DAL is available only when the PSDS serving office is an appropriately equipped digital switch.

(B) Channel Configuration

(1) Base Rate, DS1, and DS3 Local Distribution Channels

Base Rate, DS1, and DS3 channels consist of Local Distribution Channels (LDCs), interoffice transport and optional features and functions.

Base Rate Services, DS1 Service and DS3 Local Distribution Channels provide digital interconnection between the Telephone Company Serving Wire Center (SWC) and the customer. The customer may select from a variety of channel types that define the termination at the customer location. Each type has its own bit rate and transmission characteristics defined by the network channel interface codes. The actual bit rate and/or framing format is a function of the network channel interface selected by the customer. For example, Access to Extended Superframe (BSE - Extended Superframe Conditioning) extends the customer's Ameritech DS1 framing structure from 12 to 24 frames. This framing format is available at no additional charge.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)

(N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services<sup>(2)</sup>, DS1 Service and DS3 Service (Cont'd)

(N)

(B) Channel Configuration (Cont'd)

(1) Base Rate Services, DS1 Service and DS3 Service Local Distribution Channels (Cont'd)

The following types of LDCs are available:

Terminating Bit Rate	Loop Format	Data Transmission Format	Channel Interface
2.4 Kbps	4-Wire	Synchronous Serial	DU-24
4.8 Kbps	4-Wire	Synchronous Serial	DU-48
9.6 Kbps	4-Wire	Synchronous Serial	DU-96
19.2 Kbps	4-Wire	Synchronous Serial	DU-19
56.0 Kbps	4-Wire	Synchronous Serial	DU-56
56.0 Kbps(DAL)	2-Wire	Synchronous Serial	DU-16
56.0 Kbps(DAL)	4-Wire	Synchronous Serial	DU-56
64.0 Kbps	4-Wire	Synchronous Serial	DU-64
1.544 Mbps	4-Wire	Isochronous Serial	DS-15
44.736 Mbps	4-Wire	Isochronous Serial	DS-44
44.736 Mbps	4-Wire	Isochronous Serial	FC-56 or FC-12

When DS3 Service is provided using an optical channel interface, the customer is responsible for providing the Optical Line Termination (OLT) at the customer's premises. The OLT supplied at the customer premises must be compatible with the OLT used by the Telephone Company in the Serving Wire Center. The Telephone Company will work cooperatively with the customer to select compatible OLTs which conform to the requirements set forth in Technical Reference Publication AM TR TMO-000072.

All LDCs comprising a channel must have the same terminating bit rate unless multiplexing is performed at a Telephone Company Hub location.

Only certain LDC to LDC connections with unlike bit rates are allowable using multiplexing. The allowable multiplexing is described in Sections 7.2.9(B)(4)(f) and 7.4.7.

When DS1 LDCs are used in conjunction with DS1 128.0, 256.0, 384.0, 512.0 or 768.0 Kbps transport without multiplexing, the usable bandwidth available to the customer is 128.0, 256.0, 384.0, 512.0 or 768.0 Kbps, respectively<sup>(1)</sup>.

(1) Effective October 27, 2016, 128.0, 256.0, 384.0, 512.0 and 768.0 Kbps transport is limited to existing Customers for existing service arrangements; no new or additional term commitments of any kind, including any otherwise available renewals, will be available; and no move, add, or change orders will be accepted.

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)

(N)

(This page filed under Transmittal No. 1882 )



- 7. Special Access Service (Cont'd)
- 7.2 Service Descriptions (Cont'd)
- 7.2.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(2) Interoffice Transport

Interoffice Transport facilities comprised of Channel Mileage Terminations (CMT), described in Section 7.1.2(B), and Channel Mileage (CM), described in Section 7.1.2(C), provide the transmission paths between the Serving Wire Centers associated with two customer designated premises, between a Serving Wire Center associated with a customer premises and a Telephone Company Hub location or an NRS<sup>(2)</sup> System Location or between two Telephone Company NRS system locations for NRS associated services. When NRS system locations are within the same wire center only the appropriate port charges will apply. Three interoffice transport types are available; Base Rate transport which supports bit rates from 2.4 Kbps through 64.0 Kbps, DS1 transport at bit rates of 1.544 Mbps, 128.0 Kbps, 256.0 Kbps, 384.0 Kbps, 512.0 Kbps and 768.0 Kbps and DS3 transport at the 44.736 Mbps bit rate.<sup>(1)</sup>

Base Rate 2.4 Kbps through 64.0 Kbps LDCs are interconnected to Rate transport\* while DS1 LDCs are interconnected to DS1 transport (1.544 Mbps, 128.0 Kbps, 256.0 Kbps, 384.0 Kbps, 512.0 Kbps or 768.0 Kbps) and DS3 SCs to DS3 transport. Additionally, higher speed LDCs may be cross-connected to lower speed transport using optional multiplexing features delineated in Section 7.2.9(B)(4)(f).

(3) Optional Features and Functions

The following table shows the technical specifications packages with which the optional features and functions are available. Not all of the optional features and functions described in this section apply to all of the services. The following matrix shows the Optional Features and Functions by bit rate that a customer may select. The specific Optional Features and Functions are described in Section 7.2.9(B)(4), a through i. Except as specified in 7.2.9(B)(4)(f)(2), when DS1 LDCs are used in conjunction with DS1 128.0, 256.0, 384.0, 512.0 or 768.0 Kbps transport, no Optional Features and Functions are available.

\* Base Rate Interoffice Transport provides usable bandwidths to match the customer's LDC Bit Rate for Base Rate services operating at terminating speeds up to and including 64.0 Kbps.

- (1) Effective October 27, 2016, 128.0, 256.0, 384.0, 512.0 and 768.0 Kbps transport is limited to existing Customers for existing service arrangements; no new or additional term commitments of any kind, including any otherwise available renewals, will be available; and no move, add, or change orders will be accepted.
- (2) Effective December 5, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers, and NRS service agreements may no longer be renewed. Effective July 31, 2022, the Telephone Company will no longer accept new requests for physical changes to existing service arrangements including the upgrade or downgrade of access/port speed, installation of new service, or moves to different service addresses.
- (3) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (cont'd)

7.2 Service Descriptions (cont'd)

7.2.9 Base Rate Services<sup>(5)</sup>, DS1 Service and DS3 Service (cont'd)

(N)

(B) Channel Configuration (cont'd)

(3) Optional Features and Functions (cont'd)

Base Rate Services, DS1 Service and DS3 Service

(Application of Optional Features and Functions by Terminating Speeds)

	2.4 Kbps	4.8 Kbps	9.6 Kbps	56.0 Kbps	19.2 Kbps	64.0 Kbps	64.0 Kbps	1.544 Mbps	44.73 6 Mbps
	PACKAGES								
Parameter	DA-1	DA-2	DA-3	DA-4	DA-5	DA-6	HC-0	HC-1	HC-3
Central Office, Bridging Capability	X	X	X	X					
Secondary Channel	X	X	X	X					
Clear Channel Capability								X	
Transfer Arrangement	X	X	X	X				X	
Interconnection - Central Office Multiplexing									
- DS3 to DS1									X
- DS1 to Base Rate/128.0, 256.0, 384.0, 512.0, 768.0 Kbps Transport <sup>(3)</sup>								X	
Fiber Hub Cross-Connection <sup>(1)</sup>								X	
NRS Terminations <sup>(2)(4)</sup>	X	X	X	X	X	X	X	X	X
Multiplexer Cross-Connection								X	X

- (1) Description of this optional feature and function is delineated in Section 7.4.
- (2) Description of the Network Reconfiguration Service (NRS) is delineated in Section 7.2.9(B)(5).
- (3) Effective October 27, 2016, 128.0, 256.0, 384.0, 512.0 and 768.0 Kbps transport is limited to existing Customers for existing service arrangements; no new or additional term commitments of any kind, including any otherwise available renewals, will be available; and no move, add, or change orders will be accepted.
- (4) Effective December 5, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers, and NRS service agreements may no longer be renewed. Effective July 31, 2022, the Telephone Company will no longer accept new requests for physical changes to existing service arrangements including the upgrade or downgrade of access/port speed, installation of new service, or moves to different service addresses.
- (5) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services<sup>(1)</sup>, DS1 Service and DS3 Service (Cont'd)

(N)

(B) Channel Configuration (Cont'd)

(4) Optional Features and Functions

Application of these optional features and functions are delineated in Section 7.2.9(B)(3) preceding.

(a) Central Office Bridging Capability

This option is applicable to Base Rate channels operating at terminating speeds of 2.4, 4.8, 9.6 and 56.0 Kbps only. Central Office Bridging Capability allows for communications between three or more circuit termination locations.

(b) Secondary Channels

The Secondary Channel feature is provided in conjunction with Base Rate channels operating at terminating speeds of 2.4, 4.8, 9.6 and 56.0 Kbps (considered the primary channel). A secondary channel provides a companion digital channel over the same facility used to provide the primary channel, but at a lower bit rate. The secondary and primary channels operate independently of each other, over the same facilities, and must be co-terminated in common customer equipment as described in Technical References Publications, cited in Section 7.2 preceding. Secondary channel is offered as a two-point or multipoint service in Telephone Company locations where facilities are available. The addition of the secondary channel option to an existing Base Rate Services will be treated as a disconnect of the existing service and an installation of a new service including the secondary channel.

\* Central Office Bridging Capability and Secondary Channels are not available

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)

(N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services<sup>(1)</sup>, DS1 Service and DS3 Service (Cont'd)

(N)

(B) Channel Configurations (Cont'd)

(4) Optional Features and Functions (Cont'd)

(b) Secondary Channels (Cont'd)

The technical specifications for this feature are described in Technical Publications, cited in Section 7.2 preceding. The bit rates of the secondary channel are shown in the following table:

Base Rate Service Transmission Speed	Secondary Channel Transmission Speed
2.4 Kbps	133 Bps
4.8 Kbps	266 Bps
9.6 Kbps	533 Bps
56.0 Kbps	2.66 Kbps

(c) Clear Channel Capability

An arrangement which allows a customer to transport 1.536 Mbps of information on a 1.544 Mbps line rate with no constraint on the quantity or sequence of one and zero bits.

Clear Channel Capability is provided for both point to point and channelized DS1 service and is a required option for DS1 service when 64 Kbps channels are multiplexed onto the DS1 service.

Where appropriate facilities are not immediately available, negotiated order intervals may apply. The technical specifications for this feature are as described in Technical Reference Publications, cited in Section 7.2 preceding.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)

(N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services<sup>(2)</sup>, DS1 Service and DS3 Service (Cont'd)

(N)

(B) Channel Configuration (Cont'd)

(4) Optional Features and Functions (Cont'd)

(f) Interconnection - Central Office Multiplexing

(1) DS3 to DS1 Multiplexing

An arrangement that converts an DS3 channel operating at a terminating speed of 44.736 Mbps to 28 DS1 channels operating at a terminating speed of 1.544 Mbps using digital time division multiplexing (available with 128.0, 256.0, 384.0, 512.0, and 768.0 Kbps and 1.544 Mbps transport).<sup>(1)</sup>

(2) DS1 to Voice/Base Rate/ 128.0, 256.0, 384.0, 512.0, 768.0 Kbps Transport Multiplexing

An arrangement that converts an DS1 (1.544 Mbps only) channel to 24 channels for use with Direct Analog Service, Base Rate Service, and 128.0, 256.0, or 384.0 Kbps Transport Services (multiple channels are required to provide individual 128.0, 256.0 384.0, 512.0, or 768.0 Kbps channels).<sup>(1)</sup> A channel of this DS1 to the Hub can also be used for Program Audio, Dedicated Network Access Line, or Dedicated Access Line Services. Multiple channels may be required to provide individual Program Audio channels.

(1) Effective October 27, 2016, 128.0, 256.0, 384.0, 512.0 and 768.0 Kbps transport is limited to existing Customers for existing service arrangements; no new or additional term commitments of any kind, including any otherwise available renewals, will be available; and no move, add, or change orders will be accepted.

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services<sup>(1)</sup>, DS1 Service and DS3 Service (Cont'd) (N)

(B) Channel Configuration (Cont'd)

(6) Technical Specifications Packages

The technical specifications for Base Rate Services, DS1 Service and DS3 Service are delineated in Technical References. Base Rate Services (DA1-5) are described in TR-NPL-000341, and Base Rate (DA6) as described in AM-TR-OAT-000070. DS1 (HC1) and DS3 (HC3) are described in TR-INS-000342 and AM-TR-TMO-000101. DS1 (HX) is described in AM-TR-TMO-000106.

The Telephone Company will provide an Base Rate channel to provide connectivity at terminating speeds from 2.4 Kbps through 64.0 Kbps with error-free second performance typified by a monthly average objective of 99.875 percent while the channel is in service. Such performance must be measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB AM-TR-OAT-000070. The overall performance of an individual circuit will depend upon the performance characteristics of data communications equipment that is provided and maintained by the customer as well as network conditions. Error-free second performance is provided to indicate typical circuit performance objectives, not as an assurance of performance on an individual circuit.

For an DS1 channel operating at a terminating bit rate of 1.544 Mbps (HC1), the Telephone Company will provide a channel capable of an error-free second performance of 99.75 percent over a continuous 24 hour period as measured at the 1.544 Mbps rate through a NCTE equivalent which is designed, manufactured and maintained to conform with the specifications in Technical Reference Publication PUB 62411. Additional transmission performance specifications are described in AM-TR-TMO-000101; all transmission performance specifications listed in this document replace any specifications contained in other DS1 or DS3 Technical References.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024. (N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services<sup>(1)</sup>, DS1 Service and DS3 Service (Cont'd) (N)

(B) Channel Configuration (Cont'd)

(7) Network Channel Interfaces

The network channel interfaces define the bit rates that are available for Base Rate, DS1 and DS3 channels operating at terminating speeds 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56.0 Kbps, 64.0 Kbps, 1.544 Mbps and 44.736 Mbps. Network channel interfaces and codes are described in 7.3 following.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024. (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(A) Monthly Rates (Cont'd)

The interconnection of individual Service Channels with other components, such as Channel Mileage and Multiplexing, may be different. For example, one Service Channel within the package may have Multiplexing, while another Service Channel may have Channel Mileage associated with it. Components connected to each Service Channel in the service package may have different Optional Payment Plan periods from the service package in which the Service Channels reside.

(B) Daily Rates

Daily rates are flat recurring rates that apply to each 24 hour period or fraction thereof that a Program Audio<sup>(1)</sup> or Video Special Access Service is provided for part-time or occasional use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day. (N)

The application of daily rates for Program Audio<sup>(1)</sup> and Video services during a consecutive 30 day period is as follows. Daily rates will be topped at an amount equal to the monthly rate (i.e., the charge to the customer for usage billed at Daily rates will not exceed the monthly rate). For each day or part day of usage after the daily rates have been topped, a charge equal to 1/30th of the monthly rate will apply. (N)

Hourly

Hourly rates are flat recurring rates that apply to each hour period or fraction thereof that a Video Special Access Service is provided

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020. (N)

(This page filed under Transmittal No. 1882 )



ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges\* (Cont'd)

with an estimate of the design and installation charges involved based on the specific work to be performed. Such charges will be determined and billed to the customer as follows:

To calculate the labor charges, the Telephone Company will keep track of the labor hours used to meet the request of the customer and bill the customer at the applicable Additional Labor charges as set forth in Section 13.2.6, for engineering, and Section 13.1.1, for labor and testing.

An estimate of total charges will be provided to the customer, along with a request for authorization to incur the costs. Work will not proceed until authorization is received from the customer. Total charges will not exceed the estimate by more than 10 percent, nor will they exceed the standard nonrecurring charges which would otherwise apply.

(4) Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service.

The optional features for which nonrecurring charges apply are:

- Direct Analog Service Data Capability
- Direct Analog Service Improved Attenuation Distortion
- Direct Analog Service Improved Envelope Delay Distortion
- Direct Analog Service Telephoto Capability
- DS1 Clear Channel Capability
- Program Audio Gain Conditioning<sup>(1)</sup>
- Program Audio Stereo<sup>(1)</sup>

(N)  
(N)

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(N)  
|  
(N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges\* (Cont'd)

(5) Hub Rearrangements

(a) No Change in Point of Termination

A Hub Rearrangement occurs when an existing channelized Ameritech digital service between a customer premises and a facility hub is multiplexed onto a new higher speed Ameritech digital service at the hub. When this occurs, the facility records of the existing lower speed analog or digital services associated with the existing channelized Ameritech digital service must be changed to reflect the transport of these lower speed services at the new higher speed interface. A Hub Rearrangement applies only when the following conditions are met:

- neither customer location changes;
- the existing multiplexer associated with the lower speed services is not physically moved; and
- all rearranged facilities are included in one customer request

One nonrecurring Hub Rearrangement Record Charge, as set forth in 7.5.13 following, is applicable to each existing Ameritech DS3 to Ameritech DS1 or Ameritech DS1 to Voice/Ameritech Base Rate multiplexer that requires associated lower speed service facility record changes.

No Design and Central Office Connection or Customer Connection Charges apply to the multiplexed lower speed services which terminate at the hub. Absent a specific customer request, end-to-end testing will not be performed. If the customer requests end-to-end testing, a Customer Connection Charge will apply to each low speed circuit tested.

When cascading multiplexing is performed, whether in the same or a different hub, a charge for the rearrangement of services associated with the additional multiplexer also applies. For example, when a hub rearrangement occurs for services associated with an DS3 to DS1 multiplexer and the DS1 services from this multiplexer are also multiplexed to Direct Analog services, one Hub Rearrangement Record Charge applies for the services rearranged on the DS3 to DS1 multiplexer and one for the services rearranged on each DS1 to Voice/Base Rate<sup>(1)</sup> multiplexer. (N)

\* For Services ordered under MVP, refer to Section 19.3(E)(5).

- (1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024. (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges\* (Cont'd)

(5) Hub Rearrangements (Cont'd)

(b) High Speed Point of Termination Change

Hub Rearrangement will occur when an existing channelized Ameritech digital service is rearranged to an existing Ameritech digital service or Expanded Interconnection Service with a change in the high-speed point of termination and where the location of the multiplexer and the configuration of lower speed services on the multiplexer are not affected.

Except as noted below, all facilities and equipment required for the activity must already exist:

- Rearranging an existing service from one multiplexer to another multiplexer.
- Rearranging an existing lower speed service to an existing multiplexed higher speed service.
- Rearranging from Special Access Service to/or from Expanded Interconnection Service.

No Design and Central Office Connection or Customer Connection charges will apply to the multiplexed lower speed services of the service being rolled over as long as there is no physical change to the lower speed services. However a Hub Rearrangement record change charge as set forth in 7.5.13 following, will apply for each multiplexer that requires associated lower speed service facility record changes. If the customer requests end-to-end testing, a Customer Connection Charge will apply to each low speed service tested.

When cascading multiplexing is performed, whether in the same or a different hub, a charge for the rearrangement of services associated with the additional multiplexer also applies. For example, when a hub rearrangement occurs for services associated with an DS3 to DS1 multiplexer and the DS1 services from this multiplexer are also multiplexed to Direct Analog services, one Hub Rearrangement Record Charge applies for the services rearranged on the DS3 to DS1 multiplexer and one for the services rearranged on each DS1 to Voice/Base Rate<sup>(1)</sup> multiplexer. (N)

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024. (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)  
 7.4 Rate Regulations (Cont'd)  
 7.4.2 Types of Rates and Charges (Cont'd)  
 (C) Nonrecurring Charges\* (Cont'd)  
 (6) Service Rearrangements (Cont'd)

- If a change involves the addition of Optional Features and Functions with separate nonrecurring charges for any service except DS3 Service, the Design and Central Office Connection Charge and the Customer Connection Charge associated with the Special Access Service will apply in addition to the separate nonrecurring charge. The Administrative Charge will also apply.
- If a change involves the Optional Fiber Hub Cross-connection Service for DS3, DS1 or DS0 (Base Rate and Direct Analog)<sup>(2)</sup> service, the Administrative Charge will apply in addition to the separate nonrecurring charge. No other nonrecurring charges will apply. (N)
- If a change involves the addition of Optional Features and Functions without separate nonrecurring charges for any service except DS3 Service, the Design and Central Office Connection Charge and the Customer Connection Charge associated with the Special Access Service will apply. The Administrative Charge will also apply. This includes, but is not limited to, the inclusion of existing DS3, DS1 and Base Rate Services<sup>(2)</sup> in the customer's Network Reconfiguration Service (NRS)<sup>(1)</sup> database. (N)
- If a change involves the removal of Optional Features and Functions, either with or without separate nonrecurring charges, the Design and Central Office Connection Charge and the Administrative Charge associated with the Special Access Service will apply.
- If a change involves the rearrangement of an existing point-to-point DS1 or DS3 service onto a higher speed Ameritech digital service at a facility hub, or cross-connection to an interconnection arrangement in the same central office via Electronic Cross-Connection Service described in Section 16.4, following, the Administrative Charge and the Design and Central Office Connection Charge will apply. If a customer specifically requests end-to-end testing, then a Customer Connection Charge will also apply.
- If a change involves the rearrangement of an OCN Point-to-Point Service from point-to-point (non-channelized) service to an arrangement with an add/drop multiplexer and an Add/Drop function or vice-versa, an Administrative Charge, Design and Central Office Connection Charge and Customer Connection Charge will apply.

\* For Services ordered under MVP, refer to Section 19.3(E)(5).

- (1) Effective December 5, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers, and NRS service agreements may no longer be renewed. Effective July 31, 2022, the Telephone Company will no longer accept new requests for physical changes to existing service arrangements including the upgrade or downgrade of access/port speed, installation of new service, or moves to different service addresses.
- (2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.5 Minimum Periods

The minimum service period for all services is one month, except as follows:

- (A) The minimum service period for part-time and occasional Video and Program Audio<sup>(2)</sup> services is one day (i.e., a continuous 24 hour period, not limited to a calendar day). (N)
- (B) The minimum period for service provided on an Individual Case Basis (ICB) is as specified in the ICB filing.
- (C) The minimum service period for a DS3 LDC with an Electrical Interface and a DS3 Service Package with an Optical Interface is 12 months. After the minimum period is satisfied, the monthly extension rate will apply.
- (D) The minimum service period for Ameritech OC-3 and Ameritech OC-12 Services is 12 months. After the minimum period is satisfied, the monthly rate will apply unless an OPP is selected.
- (E) The minimum service period for Ameritech OC-3 Dedicated Ring and Ameritech OC-12 Dedicated Ring service is 36 months. After the minimum period is satisfied, the prevailing rates of the current plan will continue until the customer cancels or renews the service.
- (F) The minimum service period for SONET Xpress<sup>(1)</sup> is 12 months. After the minimum period is satisfied, the monthly extension rate will apply unless an OPP is selected.

(1) Effective February 16, 2012, SONET Xpress is available only to existing Customers, for existing service arrangements. Existing Customers may continue to receive service under existing service arrangements, or on a month-to-month basis after their existing service arrangements expire, until SONET Xpress is discontinued.

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020. (N)

(This page filed under Transmittal No. 1882 )

**ACCESS SERVICE**

**7. Special Access Service (Cont'd)**

**7.4 Rate Regulations (Cont'd)**

**7.4.8 Facility Hubs**

A customer has the option of ordering direct analog, Ameritech DS1 or Ameritech DS3 facilities (i.e., Group, Supergroup, Mastergroup, Ameritech DS1 or Ameritech DS3) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Telegraph<sup>(1)</sup>, Voice<sup>(1)</sup>, Program Audio<sup>(2)</sup>, etc.).

(N)

Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. Hub locations (Wire Centers) may be further designated as Intermediate and Terminus Hubs as set forth in Section 2.6.

When ordering, the customer will specify the desired multiplexing Hub(s) selected from the Exchange Carrier Association Tariff F.C.C. No. 4. This tariff identifies the type(s) of multiplexing functions which are available and the serving wire centers where they are available.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End to end services may be provided on channels of these facilities to a Hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Direct Analog Service, not Ameritech DS1 Service.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(N)

(This page filed under Transmittal No. 1882 )

**ACCESS SERVICE**

**7. Special Access Service (Cont'd)**

**7.4 Rate Regulations (Cont'd)**

**7.4.8 Facility Hubs (Cont'd)**

Cascading multiplexing occurs when an analog, Ameritech DS1 or Ameritech DS3 channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a Supergroup facility is de-multiplexed to five Group facilities and then one of the Group facilities is further de-multiplexed to individual voice grade channels.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different Hubbing locations, Channel Mileage Termination and Channel Mileage charges also apply between the Hubs.

Although not requiring multiplexing, the Telephone Company will designate certain Hubs for Video and Program Audio<sup>(1)</sup> Services. A customer can order full-time and/or part-time services(s) between customer designated premises and a Hub and will be billed accordingly at the rates set forth in 7.5.4 or 7.5.5 following for a full-time or part-time service, as appropriate. At the request of a customer, the full-time and/or part-time services provided to the Hub may be connected together in the following configurations; full-time to full-time, full-time to part-time or part-time to part-time. The customer will be charged for each such connection made at the rates for Other Labor as set forth in 13.2.6(C) following. The rates that apply for the service between each customer designated premises and the Hub are a Local Distribution Channel and Channel Mileage Terminations and Channel Mileage, if applicable. In addition, for Program Audio<sup>(1)</sup> Services, rates for optional features and functions may be applicable. (N)

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020. (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.5 Rates and Charges

**Effective November 1, 2017, all rate elements, other than End User Local Distribution Channels and their applicable optional features<sup>(2)</sup> in Non-Competitive Counties, are no longer available from Section 7.5 for new service subscriptions. <sup>(1)</sup> The application of rates and charges for Special Access services is based upon the county classification as Competitive or Non-Competitive, as provided in Section 7.4. A list of Competitive and Non-Competitive Counties is located in Sections 14.6.3 and 14.6.4.**

Rates are subject to subsequent adjustment, effective retroactively in light of USTA v. FCC, (Case No. 97-1469) (slip. op. May 21, 1999) (D.C. Cir.), or pursuant to pending motions or petitions or any other adjustment pursuant to a Commission or court order.

7.5.1 Metallic Service<sup>(3)</sup>

(N)

	USOC	Monthly Rate
(A) Local Distribution Channel		
- Per point of termination		
- All states	TNJK2	\$17.90
(B) Channel Mileage Termination		
- Per point of mileage termination		
- All states	CM6	None
(C) Channel Mileage*		
- Per mile		
- All states	1L5XX	9.46

\* Metallic circuits beyond five miles are limited to existing circuits.

(1) Until February 1, 2018, End User Local Distribution Channels and their applicable optional features that had not qualified for Phase II, Level 2 pricing flexibility prior to June 1, 2017, will be rated at the price cap rate regardless of the status of the county in which the applicable wire center is located.

(2) Optional features for End User channel terminations includes all optional features in Section 7.5, except for the Transfer Arrangement and Network Reconfiguration Service.

(3) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)

(N)

(This page filed under Transmittal No. 1882 )



7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.2 Telegraph Grade Service<sup>(1)</sup>

(N)

	USOC	Monthly Rate
(A) Local Distribution Channel		
- Per point of termination		
- Two-Wire		
- All states	T6E2X	\$32.83
- Four-Wire		
- All states	T6E4X	37.34
(B) Channel Mileage Termination		
- Per point of mileage termination		
- All states	CM6	14.97
(C) Channel Mileage		
- Per mile		
- All states	1L5XX	1.39

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Direct Analog Service

- Rates and Charges for Direct Analog Service <sup>(1)(2)</sup>

	USOC	Monthly Rate	Discount Commitment Program		(N)
			36 Mo.	60 Mo.	
(A) Local Distribution Channel					
(1) Direct Analog Service					
- Per point of termination					
- Two-Wire					
- All states	T6E2X	\$22.40	\$20.50	\$20.00	
- Four-Wire					
- All states	T6E4X	30.00	26.00	25.00	
(2) Dedicated Access Line					
- Per point of termination*					
- Two Wire					
- All states	X2W	\$22.40	\$20.50	\$20.00	
- Four Wire					
- All states	X4W	34.00	31.00	28.00	
(B) Channel Mileage Termination					
- Per point of mileage termination					
- All states	CM6	13.00	11.50	10.00	
(C) Channel Mileage					
- Per mile					
- All states	1L5XX	.90	.70	.65	
(D) Optional Features and Functions	USOC	Monthly Rate	Nonrecurring Charge		
(1) Bridging					
(A) Voice and DAL Bridging					
Two-Wire/ Four Wire					
- Per Port					
- Two-Wire					
- All states	BCNV2	\$7.85	None		
- Four-Wire					
- All states	BCNV4	6.20	None		

\* One Local Distribution Channel applies per Dedicated Access Line (DAL).

(1) Effective on September 13, 2017, DCP Payment Plans for Direct Analog Service are no longer available. Circuits already subject to a DCP Payment Plan, as of September 13, 2017, will continue to be provided under the then-current DCP term for the remainder of that term.

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Direct Analog Service<sup>(1)</sup> (Cont'd)

(N)

	USOC	Monthly Rate	Nonrecurring Charge
(D) Optional Features and Functions (Cont'd)			
(1) Bridging (Cont'd)			
(b) Data Bridging			
Two-Wire/our-Wire			
- Per Port			
- Two-Wire			
- All states	BCND2	\$5.75	None
- Four-Wire			
- All states	BCND4	7.50	None

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Direct Analog Service<sup>(1)</sup> (Cont'd)

(N)

(D) Optional Features and Functions (Cont'd)	USOC	Monthly Rate	Nonrecurring Charge
----------------------------------------------	------	--------------	---------------------

(2) Conditioning

- Per point of termination C - Type - All states	X1CPT	\$5.10	None
Improved Attenuation Distortion - All states	UHW	5.75	\$ 77.55
Improved Envelope Delay Distortion - All states	UHY	66.90	310.20
Sealing Current - All states	1HBPT	None	None

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Direct Analog Service<sup>(1)</sup> (Cont'd)

(N)

(D) Optional Features and Functions (Cont'd)	USOC	Monthly Rate	Nonrecurring Charge
(3) Improved Return Loss for Effective Two-Wire Transmission - Per point of termination - Two-Wire - All states	1RL2W	\$ 2.35	None
(4) Improved Termination - Per point of termination - Four-Wire All states	CP6	2.05	None
(5) Customer Specified Receive Level - Per point of termination - All states	RLS	.75	None
(6) Reserved for Future Use			
(7) Data Capability - Per point of termination - All states	XDCPT	6.00	\$310.20
(8) Reserved for Future Use			

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Direct Analog Service<sup>(1)</sup> (Cont'd)

(N)

(D) Optional Features and Functions (Cont'd)	USOC	Monthly Rate	Nonrecurring Charge
----------------------------------------------	------	--------------	---------------------

(9) Signaling Capability

- Per point of termination
- All states
- In lieu of ++, substitute appropriate two digit code from following list of signaling.

XSS++

\$2.00

None

- AB
- AC
- AH
- CT
- DS
- DX
- DY
- EA
- EB
- EC
- EX
- GO
- GS
- LA
- LB
- LC
- LO
- LR
- LS
- RV
- SE
- SF

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Direct Analog Service<sup>(1)</sup> (Cont'd)

(N)

(D) Optional Features and Functions (Cont'd)	USOC	Monthly Rate	Nonrecurring Charge
(12) DAL Improved Voice Transmission Improved Two-Wire transmission specifications - Per two-wire point of termination - All states	X2T	None	None
(13) Line-Powered Data Station Termination Unit (Available with VG-6) - Per Point of Termination -All States	LUN	7.97	None
(14) DS0 Fiber Hub Cross-Connection Direct Analog to 1 Day Notice 3 Days Notice	CX901 CX903	None None	206.80 155.10

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.4 Program Audio Service<sup>(1)</sup>

(N)

	USOC	Monthly Rate	Daily Rate
(A) Local Distribution Channel			
- Per point of termination			
- All States			
- 200 to 3500 Hz	TNJH2	\$31.00	\$2.29
- 100 to 5000 Hz	TNJH2	61.00	4.87
- 50 to 8000 Hz	TNJH2	61.00	4.90
- 50 to 15000 Hz	TNJH2	66.00	5.27
(B) Channel Mileage Termination			
- Per point of mileage termination			
- All States			
- 200 to 3500 Hz	CM6	16.00	1.32
- 100 to 5000 Hz	CM6	32.00	2.96
- 50 to 8000 Hz	CM6	45.00	3.97
- 50 to 15000 Hz	CM6	90.00	8.12
(C) Channel Mileage			
- Per Mile			
- All States			
- 200 to 3500 Hz	1L5XX	2.00	.10
- 100 to 5000 Hz	1L5XX	3.00	.20
- 50 to 8000 Hz	1L5XX	4.00	.28
- 50 to 15000 Hz	1L5XX	6.00	.56

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )



**ACCESS SERVICE**

**7. Special Access Service (Cont'd)**

**7.5 Rates and Charges (Cont'd)**

**7.5.4 Program Audio Service<sup>(1)</sup> (Cont'd)**

(N)

(D) Optional Features and Functions	USOC	Monthly Rate	Daily Rate	Nonrecurring Charges	
				Monthly	Daily
(1) Bridging (Distribution Amplifier) - Per Port - All States	BCNPT	\$16.91 R	\$1.69 R	None	None
(2) Gain Conditioning - Per service - All States	XGC	.60 R	.07	\$300.00	\$300.00
(3) Stereo - Per service	XSC	ICB	ICB	\$400.00	\$400.00
	XSC	None	None	\$400.00	\$400.00

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.9 Base Rate Services, DS1 Service and DS3 Service

- Rates and Charges for Base Rate Services, DS1 Service and DS3 Service <sup>(1) (2)</sup>

(A) Base Rate Service<sup>(3)</sup>

	USOC	Monthly	12 Mo.**	Recurring Charges			60 Mo.	Discount Commitment Program		(N)
				Optional Payment Plan	24 Mo.**	36 Mo.		48 Mo.**	36 Mo	
(1) Local Distribution Channel - Per Point of Termination Terminating Bit Rates 2.4, 4.8, 9.6, 19.2, 56.0 and 64.0 Kbps - All States	T6ECS	\$135.00	\$80.00	\$80.00	\$65.00	\$65.00	\$56.85	\$75.40	\$67.50	
(2) DAL* - 56.0 Kbps - All States										
2-Wire	TNT72	\$117.00	\$95.00	\$95.00	\$70.00	\$70.00	\$65.00	\$78.85	\$74.70	
4-Wire	T6ECS	\$117.00	\$95.00	\$95.00	\$70.00	\$70.00	\$65.00	\$78.85	\$74.70	
(3) Channel Mileage Termination - Per Point of Mileage Termination - All States	CM6	21.40	14.00	14.00	10.00	10.00	9.00	12.00	10.75	
(4) Channel Mileage - Per Mile - All States	1L5XX	2.15	1.00	1.00	.80	.80	.68	.96	.90	

\* A Base Rate Service (56 Kbps) DAL is available only when used for terminating Public Switched Digital Service.

\*\* For 12 month Optional Payment Plans subscribed prior to February 26, 1999, and 24 and 48 month Optional Payment Plans subscribed to prior to July 1, 1999, see Section 7.5.16, following.

(1) Effective on September 13, 2017, 48- and 60-month Optional Payment Plans for DS1 and DS3 Services are no longer available, and Optional Payment Plans for Base Rate services are no longer available, including for any otherwise available renewals or conversions. Circuits already subject to an Optional Payment Plan, as of September 13, 2017, will continue to be provided under the then-current Optional Payment Plan term for the remainder of that term.

(2) Effective on September 13, 2017, 60-month DCP Payment Plans for DS1 Service are no longer available, and DCP Payment Plans for Base Rate Services are no longer available. Circuits already subject to a DCP Payment Plan, as of September 13, 2017, will continue to be provided under the then-current DCP term for the remainder of that term.

(3) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
|  
(N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd)

(A) Base Rate Service<sup>(2)</sup> (Cont'd) (N)

(5) Optional Features and Functions

	USOC	Monthly	12 Mo.*	Recurring Charges Optional Payment Plan			
				24 Mo.*	36 Mo.	48 Mo.*	60 Mo.
(a) Central Office Bridging							
- Per Port							
- All States	B5NGF	\$25.00	\$20.00	\$20.00	\$17.00	\$17.00	\$15.00
(b) NRS <sup>(1)</sup> System Location Port Termination							
- Per Base Rate Termination							
- All States	PT5	20.00	19.00	18.00	17.00	16.50	16.00
(c) Secondary Channel							
- Per Local Distribution Channel (2.4.4.8, 9.6 and 56.0** Kbps)							
- All States	SCA	\$0.00		None			

\* For 12 month Optional Payment Plans subscribed to prior to February 26, 1999, and 24 and 48 month Optional Payment Plans subscribed to prior to July 1, 1999, see Section 7.5.16 following.

\*\* Since all 56.0 Kbps lines are not capable of furnishing Secondary Channel Services, a service inquiry must be made to determine availability.

(1) Effective December 5, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers, and NRS service agreements may no longer be renewed. Effective July 31, 2022, the Telephone Company will no longer accept new requests for physical changes to existing service arrangements including the upgrade or downgrade of access/port speed, installation of new service, or moves to different service addresses.

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd)

(A) Base Rate Service<sup>(1)</sup> (Cont'd) (N)

(5) Optional Features and Functions (Cont'd)

	USOC	Nonrecurring Charges Customer Requested Response Time in Work Days	
		3 Day	1 Day
(d) Cross-Connection of Services			
DSO to DSO (Base Rate to Base Rate) Cross-Connect - All States	CX903 CX901	\$150.00	\$200.00
	USOC	Nonrecurring Charge	
(e) Shared Network Arrangement			
- Processing Charge Per Service Order - All States	NRBOP	\$30.00	

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 Installation and Rearrangement Charges

All States		Administrative Charge, per order	Design and Central Office Connection Charge, per circuit	Customer Connection Charge, per termination	
	USOC	ORCMX	NRBCL	NRBBL	
Metallic Service <sup>(2)</sup>		\$62.04	\$155.10	\$258.50	(N)
Telegraph Service <sup>(2)</sup>					(N)
- Two-wire		62.04	155.10	258.50	
- Four-wire		62.04	155.10	258.50	
Direct Analog Service <sup>(2)</sup>					(N)
- Two-wire		50.00	140.00	185.00	
- Four-wire		50.00	140.00	185.00	
- Dedicated Access Line <sup>(2)</sup>					(N)
- Two-wire		50.00	150.00	200.00	
- Four-wire		50.00	150.00	200.00	
Program Audio Serv. <sup>(3)</sup>					(N)
Monthly					
- All bandwidths Daily		45.00	180.00	225.00	
- All bandwidths		50.00	190.00	275.00	
Video Service					
Monthly, 12, 24, 36, 48 and 60 Month					
- TV1, TV2,					
Video Service <sup>(1)</sup>					
Daily					
- TV1 and TV2		50.00	None**	None**	

\*\* Special Construction charges may apply, subject to regulations set forth in the special construction tariff defined in Section 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](http://www.att.com/guidebook).

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(3) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(This page filed under Transmittal No. 1882 )

(N)  
 |  
 (N)

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 Installation and Rearrangement Charges (Cont'd)

	All States				
	Administrative Charge, per order		Design and Central Office Connection Charge, per circuit	Customer Connection Charge, per termination	
	USOC	ORCMX	NRBCL	NRBBL	
Base Rate Service <sup>(1)</sup>					(N)
- All Speeds		50.00	150.00	200.00	

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 Installation and Rearrangement Charges (Cont'd)

Hub Rearrangement - Record Charge (Cont'd)

- Per DS1 to Voice/Base Rate<sup>(1)</sup>  
 Multiplexer Rearranged

(N)

	USOC	Nonrecurring Charge
<b>Illinois</b>		
Zone 1	NRBE1	500.00
Zone 2	NRBE2	500.00
Zone 3	NRBE3	500.00
Zone 4	NRME4	500.00
Zone 5	NRME5	500.00
<b>Indiana</b>		
Zone 1	NRBE1	500.00
Zone 2	NRBE2	500.00
Zone 3	NRBE3	500.00
Zone 4	NRME4	500.00
Zone 5	NRME5	500.00
<b>Michigan</b>		
Zone 1	NRBE1	500.00
Zone 2	NRBE2	500.00
Zone 3	NRBE3	500.00
Zone 4	NRME4	500.00
Zone 5	NRME5	500.00
<b>Ohio</b>		
Zone 1	NRBE1	500.00
Zone 2	NRBE2	500.00
Zone 3	NRBE3	500.00
Zone 4	NRME4	500.00
Zone 5	NRME5	500.00
<b>Wisconsin</b>		
Zone 1	NRBE1	500.00
Zone 2	NRBE2	500.00
Zone 3	NRBE3	500.00
Zone 4	NRME4	500.00
Zone 5	NRME5	500.00

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(N)  
 |  
 (N)

(This page filed under Transmittal No. 1882 )