

ACCESS SERVICE

7. Special Access Service

7.2 Service Descriptions

7.2.5 Video Service

Video Services are full motion video transport services that deliver high quality video images and stereo quality audio. There are two digital video transport offerings: Serial Component Video Service (SCVS), the first generation for delivering a high definition video signal, and High Definition Video Transport (HDVT), the second generation.

(A) Basic Channel Description

(1) Serial Component Video Service (SCVS)

SCVS is a standards based 270 Mbps digital video transport for the limited purpose of providing one-way transport of high quality digital video signals and audio signals. (C)

The following standard formats are supported:

- (a) Serial Digital Interface (SDI) - ANSI/Society of Motion Picture and Television Engineers (SMPTE 259M); (C)

Audio embedding of either four analog audio channels at 20 KHz or two AES-EBU digital audio channels is available from the Telephone Company. (N)

- (b) Serial Data Transport Interface (SDTI SMPTE 305M); and

- (c) Digital Video Broadcasting-Asynchronous Serial Interface (DVB-ASI).

The customer is responsible for combining multiple MPEG video program stream(s) into a transport stream and encapsulating this into a 270 Mbps DVB-ASI format.

(D)
(D)

SVCS is available on a point-to-point basis, or between a customer premises and a Telephone Company Hub location, where available.

(T)
(D)

(D)

(2) High Definition Video Transport (HDVT)

HDVT provides one-way transmission of a digital video signal between customer designated premises or between customer designated premises and a Telephone Company Hub (where available) via fiber optic facilities.

The following standard formats are supported:

- (a) SMPTE 292M (1.485 Gbps);
- (b) SMPTE 310M (19.39Mbps);
- (c) ANSI/Society of Motion Picture and Television Engineers (SMPTE 259M);
- (d) Serial Data Transport Interface (SDTI SMPTE 305M); and
- (e) Digital Video Broadcasting-Asynchronous Serial Interface (DVB-ASI).

The customer can transmit video signals using any of the standard formats listed above; the network terminating equipment is designed to automatically detect and send the correct format.

HDVT will support the transport of digital video with or without embedded audio. Audio embedding or de-embedding is the customer responsibility.

HDVT is provided where facilities are available. Where facilities are not available, Special Construction charges may apply as specified in Part 1, Section 8 of this Guidebook.

(B) Optional Features and Functions

(1) Video Regenerator

Video Regenerators provide for the regeneration of the digital video signals. The Video Regenerator is available for Serial Component Video Service (SCVS) and High Definition Video Transport (HDVT). A Video Regenerator will be required for SCVS or HDVT when the distance between the designated SCVS or HDVT end user premises is greater than the single system optical power budget.

(2) Optical Handoff Options and Interfaces

(C)

(a) Optical Handoff Options

(N)

This option is available with SCVS and HDVT. The Telephone Company will encapsulate the customer's digital video signal into an OC-3c or OC-12c transport stream. This video transport stream will be carried over the Telephone Company's network via a dedicated fiber or a dedicated fiber and the existing transport network as determined by available facilities. The service will originate as an electrical SCVS or HDVT video signal at one end and terminate as an optical video signal at the other end. It is understood and agreed that the OC-3c or OC-12c transport stream must be converted by the end-user's CPE as a SCVS or HDVT video signal with an electrical interface. (T)

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

(N)

(2) Optical Handoff Options and Interfaces (Cont'd)(b) SMPTE 310M Digital Interface - SCVS

This interface is available with SCVS and provides customers with the ability to handoff a standard 19.4 Mbps SMPTE 310M interface at the transmit end of the SCVS circuit. The Telephone Company's output at the other end will be a 270 Mbps DVB-ASI video signal.

(c) NTSC Analog Interface - SCVS

This interface is available with SCVS and provides customers with the ability to have an NTSC interface with up to four analog audio channels at 20 KHz at one end of the service. This option is available at either end of the SCVS circuit. The interface at the other end will be an SDI video signal, as described in the SCVS service description above.

(3) Diversity Options

Diversity options are available where facilities exist. If appropriate facilities do not exist, Special Construction charges may apply. End-to-end diversity can be achieved by coupling Alternate Wire Center Diversity with Inter-Wire Center Diversity.

HDVT and SCVS offer four diversity options:

(a) Local Channel Diversity (LCD)

LCD provides for a transmission path between a designated customer premises and the standard serving wire center (SWC) that is diverse from the normal/standard transmission path. LCD requires two HDVT or SCVS services purchased by, or on behalf of, the same customer. With this arrangement, one or more local distribution channels will be provisioned over the standard route, and one or more local distribution channels will be provisioned over the diverse route. LCD does not provide for full diversity; it only allows for diversity from the splice point closest to the customer's property line to the SWC. If a customer desires full diversity, arrangements must be made for constructing dual entrance facilities into the customer's premises, at the customer's expense.

(N)

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

(N)

(3) Diversity Options (Cont'd)(b) Inter-Wire Center Diversity (IWCD)

IWCD arrangements presume that each end of a HDVT or SCVS local distribution channel is served out of a different serving wire center (SWC). This arrangement provides a transmission path between the customer's designated SWC and the SWC at the distant end of the circuit, over a transmission path that is separate from the standard transmission path between the two wire centers. Interoffice mileage will be calculated between the intermediate WC along the circuit path of the diversely routed HDVT or SCVS service. IWCD requires two HDVT or SCVS services purchased by, or on behalf of, the same customer.

IWCD does not provide for full diversity; it only offers interoffice diversity. If a customer desires full diversity, Alternate Wire Center Diversity must be implemented along with IWCD. Additionally, arrangements must be made for constructing dual entrance facilities at the customer's premises, at the customer's expense.

(c) Alternate Wire Center Diversity (AWCD)

AWCD is for the local loop only. It provides a local channel transmission path for HDVT or SCVS service between the customer's designated premises and a wire center that is not the customer's standard serving wire center. The Telephone Company will choose the alternate wire center closest to the customer's designated premises that is capable of providing HDVT or SCVS service over the alternate route. AWCD does not require the purchase of two HDVT or SCVS services by, or on behalf of, the same customer, nor does it require the customer to have an existing HDVT or SCVS circuit operating over the standard route to the customer's standard serving wire center. With this arrangement, one or more local distribution channels will be provisioned over the alternate route. If a customer desires full diversity, arrangements must be made for constructing dual entrance facilities into the customer's premises, at the customer's expense.

(d) Equipment Only Diversity (EOD)

EOD allows for a HDVT or SCVS circuit to terminate on separate equipment from another HDVT or SCVS circuit. The diverse circuit will be provisioned on its own Equipment, i.e., separate laser, separate encoder/decoder, chassis, and separate power supply.

The customer must order at least two circuits and request that one of the circuits terminate on different equipment from the other circuit(s). A circuit subscribing to EOD will not be provisioned over a diverse route unless the customer orders one of the diversity options (local channel, alternate wire center, or inter-wire center). EOD may be selected for one or both terminating ends.

(N)

7.5 Rates and Charges

(A) Serial Component Video Service (SCVS)

		Recurring Charges					
		Optional Payment Plan					
USOC	Monthly	12 Month	24 Month	36 Month	48 Month	60 Month	
(1) Local Distribution Channel							
(a) SCVS Standard (270 Mbps)							
- Per Point of Termination							
- All States	T7TXX	\$ 435.00	\$ 435.00	\$ 420.00	\$ 410.00	\$ 405.00	\$ 390.00
(b) SCVS Optional (45 Mbps)							
- Per Point of Termination							
- All States	TJ57X	2,000.00	1,900.00	1,825.00	1,750.00	1,700.00	1,650.00
(2) Channel Mileage Termination							
- Per Point of Mileage Termination							
- All States	CM6	45.00	35.00	30.00	25.00	20.00	17.00
(3) Channel Mileage -Per Mile							
- All States	1L5XX	65.00	65.00	60.00	60.00	58.00	55.00
(4) Optional Features and Functions							
-Per Each							
(a) Regenerator							
- All States	V8R	373.00	373.00	369.00	364.00	358.00	352.00

		Optional Payment Plan						
USOC	Monthly	12 Month	24 Month	36 Month	48 Month	60 Month	Nonrecurring Charge ⁽¹⁾	

(b) Optical Handoff Options and Interfaces

-OC-3 Handoff	VOF3X	\$750.00	\$650.00	\$560.00	\$300.00	\$285.00	\$275.00	\$700.00
-OC-12 Handoff	VOF1X	1,675.00	1,450.00	1,250.00	675.00	650.00	625.00	700.00
-SMPTE 310M Digital Interface	V1F3X	400.00	350.00	340.00	315.00	305.00	300.00	500.00
-NTSC Analog Interface	V1FNX	200.00	190.00	185.00	180.00	175.00	170.00	500.00

(C)

(N)

(N)

⁽¹⁾Nonrecurring charge is waived when feature is ordered and installed concurrently with associated Channel Termination.

7.5 Rates and Charges (Cont'd)

(N)

(A) Serial Component Video Service (SCVS) (Cont'd)

		Recurring Charges						Nonrecurring Charge
		Optional Payment Plan						
USOC	Monthly	12 Month	24 Month	36 Month	48 Month	60 Month		
(4) Optional Features and Functions (Cont'd)								
(c) Diversity Options:								
-Local Channel Diversity	CPAMX	\$410.00	\$350.00	\$300.00	\$260.00	\$240.00	\$225.00	N/A
-Alternate Wire Center Diversity	CPABX	660.00	570.00	490.00	420.00	400.00	360.00	N/A
-Inter-Wire Center Diversity	CPAUX	290.00	250.00	210.00	180.00	165.00	150.00	N/A
-Equipment Only Diversity	CPACX	415.00	370.00	320.00	270.00	255.00	245.00	N/A

(N)

Certain material previously appearing on this page now appears on Original Sheet 85.2.

7.5 Rates and Charges (Cont'd)

(B) High Definition Video Transport (HDVT)

		Recurring Charges					Nonrecurring Charge ⁽¹⁾	
		Optional Payment Plan						
	USOC	Monthly	12 Month	24 Month	36 Month	60 Month		
(1) Channel Termination -per end	TZ4DX	\$750.00	\$700.00	\$625.00	\$585.00	\$525.00	\$1500.00	(N)
(2) Interoffice Fixed Mileage	FQY2X	\$50.00	\$48.00	\$48.00	\$45.00	\$43.00	N/A	(N)
(3) Variable Mileage -per mile	1A4FX	\$110.00	\$100.00	\$95.00	\$90.00	\$80.00	N/A	(N)
(4) Optional Features and Functions -per each								
(a) Regenerator	V8R	\$440.00	\$440.00	\$430.00	\$430.00	\$420.00	N/A	(N)
(b) Optical Handoff Options								
-OC-3 Handoff	VOF3X	\$750.00	\$650.00	\$560.00	\$300.00	\$275.00	\$700.00 ^(1,2)	
-OC-12 Handoff	VOF1X	\$1,675.00	\$1,450.00	\$1,250.00	\$675.00	\$625.00	\$700.00 ^(1,2)	(M)
(c) Diversity Options								(N)
-Local Channel Diversity	CPAMX	\$410.00	\$350.00	\$300.00	\$260.00	\$225.00	N/A	
-Alternate Wire Center Diversity	CPABX	\$660.00	\$570.00	\$490.00	\$420.00	\$360.00	N/A	
-Inter-Wire Center Diversity	CPAUX	\$290.00	\$250.00	\$210.00	\$180.00	\$150.00	N/A	
-Equipment Only Diversity	CPACX	\$415.00	\$370.00	\$320.00	\$270.00	\$245.00	N/A	(N)

⁽¹⁾ Nonrecurring charge will not apply when the customer subscribes to a 24-Month or longer Optional Payment Plan.

⁽²⁾ Nonrecurring charge is waived when feature is ordered and installed concurrently with associated Channel Termination.

Certain material now appearing on this page previously appeared on 1st Sheet 85.1.

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		
Serial Component Video Service	50.00	440.00	140.00		
High Definition Video Transport	50.00	440.00	140.00	(N)	(N)
OC-3 Service - 155.52 Mbps	60.00	375.00	450.00		
OC-12 Service - 622.08 Mbps	60.00	375.00	450.00		
OC-48 Service - 2488.32 Mbps	60.00	500.00	600.00		
OC-192/OC-192c Service - 9953.28 Mbps	60.00	2,250.00	600.00		
Ethernet 100 Base	60.00				
Ethernet 1000 Base	60.00				
OC-3 Dedicated Ring	60.00	600.00 ⁽¹⁾	N/A		
OC-12 Dedicated Ring	60.00	600.00 ⁽¹⁾	N/A		
OC-48 Dedicated Ring	60.00	600.00 ⁽¹⁾	N/A		
OC-192 Dedicated Ring	60.00	2,250.00 ⁽¹⁾	N/A		

⁽¹⁾ Per circuit charge for Dedicated Ring Service is applied once per original ring installed.

21.5.2.5 Video Service

(E) Serial Component Video Service (SCVS)

		Optional Payment Plan					
USOC	Monthly	12 Month	24 Month	36 Month	48 Month	60 Month	
(1) Local Distribution Channel							
(a) SCVS Standard (270 Mbps)							
-Per Point of Termination							
-All States	T7TXX	\$ 435.00	\$ 435.00	\$ 420.00	\$ 410.00	\$ 405.00	\$ 390.00
(b) SCVS Optional (45 Mbps)							
-Per Point of Termination							
- All States	TJ57X	2,000.00	1,900.00	1,825.00	1,750.00	1,700.00	1,650.00
(2) Channel Mileage Termination							
-Per Point of Mileage Termination							
- All States	CM6	45.00	35.00	30.00	25.00	20.00	17.00
(3) Channel Mileage							
-Per Mile							
- All States	1L5XX	72.66	70.00	69.00	68.00	67.00	66.00
(4) Optional Features and Functions							
-Per Each							
(a) Regenerator							
- All States	V8R	373.00	373.00	369.00	364.00	358.00	352.00

		Optional Payment Plan						
USOC	Monthly	12 Month	24 Month	36 Month	48 Month	60 Month	Nonrecurring Charge ⁽¹⁾	
(b) Optical Handoff Options and Interfaces								
-OC-3 Handoff	VOF3X	\$750.00	\$650.00	\$560.00	\$300.00	\$285.00	\$275.00	\$700.00
-OC-12 Handoff	VOF1X	1,675.00	1,450.00	1,250.00	675.00	650.00	625.00	\$700.00
-SMPTE 310M Digital Interface	V1F3X	400.00	350.00	340.00	315.00	305.00	300.00	500.00
-NTSC Analog Interface	V1FNX	200.00	190.00	185.00	180.00	175.00	170.00	500.00

⁽¹⁾ Nonrecurring charge is waived when feature is ordered and installed concurrently with associated Channel Termination.

21.5.2.5 Video Services (Cont'd)

(N)

(E) Serial Component Video Service (SCVS) (Cont'd)

		Recurring Charges						Nonrecurring Charge
		Optional Payment Plan						
USOC	Monthly	12 Month	24 Month	36 Month	48 Month	60 Month		
(4) Optional Features and Functions (Cont'd)								
(c) Diversity Options:								
-Local Channel Diversity	CPAMX	\$410.00	\$350.00	\$300.00	\$260.00	\$240.00	\$225.00	N/A
-Alternate Wire Center Diversity	CPABX	660.00	570.00	490.00	420.00	400.00	360.00	N/A
-Inter-Wire Center Diversity	CPAUX	290.00	250.00	210.00	180.00	165.00	150.00	N/A
-Equipment Only Diversity	CPACX	415.00	370.00	320.00	270.00	255.00	245.00	N/A

(N)

21.5.2.5 Video Service (Cont'd)

(M)

(F) High Definition Video Transport (HDVT)

	USOC	Monthly	Recurring Charges				Nonrecurring Charge ⁽¹⁾	
			Optional Payment Plan					
			12 Month	24 Month	36 Month	60 Month		
(1) Channel Termination -per end	TZ4DX	\$750.00	\$700.00	\$625.00	\$585.00	\$525.00	\$1500.00	(N)
(2) Interoffice Fixed Mileage	FQY2X	\$50.00	\$48.00	\$48.00	\$45.00	\$43.00	N/A	(N)
(3) Variable Mileage -per mile	1A4FX	\$110.00	\$100.00	\$95.00	\$90.00	\$80.00	N/A	(N)
(4) Optional Features and Functions -per each								
(a) Regenerator	V8R	\$440.00	\$440.00	\$430.00	\$430.00	\$420.00	N/A	(N)
(b) Optical Handoff Options								
-OC-3 Handoff	VOF3X	\$750.00	\$650.00	\$560.00	\$300.00	\$275.00	\$700.00 ^(1,2)	
-OC-12 Handoff	VOF1X	\$1,675.00	\$1,450.00	\$1,250.00	\$675.00	\$625.00	\$700.00 ^(1,2)	(M)
(c) Diversity Options								(N)
-Local Channel Diversity	CPAMX	\$410.00	\$350.00	\$300.00	\$260.00	\$225.00	N/A	
-Alternate Wire Center Diversity	CPABX	\$660.00	\$570.00	\$490.00	\$420.00	\$360.00	N/A	
-Inter-Wire Center Diversity	CPAUX	\$290.00	\$250.00	\$210.00	\$180.00	\$150.00	N/A	
-Equipment Only Diversity	CPACX	\$415.00	\$370.00	\$320.00	\$270.00	\$245.00	N/A	(N)

⁽¹⁾ A nonrecurring charge will not apply when the customer subscribes to a 24-Month or longer Optional Payment Plan.

⁽²⁾ Nonrecurring charge is waived when feature is ordered and installed concurrently with associated Channel Termination.

Certain material now appearing on this page previously appeared on 1st Revised Page 10.5.

21.5.2.11 Installation and Rearrangement

	Administrative Charge per order	Design and Central Office Connection Charge, per circuit	Customer Connection Charge per termination	
USOC	ORCMX	NRBCL	NRBBL	
Serial Component Video Service	\$50.00	\$440.00	\$ 140.00	
High Definition Video Service	50.00	440.00	140.00	(N) (N)
GigaMAN® All States				
12 Month	60.00	N/A	1,500.00	
36 Month	60.00 ⁽¹⁾	N/A	1,500.00 ⁽¹⁾	
60 Month	60.00 ⁽¹⁾	N/A	1,500.00 ⁽¹⁾	
Renewal GigaMAN® Service 1, 3,& 5 Year TPP	60.00	N/A	N/A	
OC-3 Service - 155.52 Mbps	60.00	375.00	450.00	
OC-12 Service - 622.08 Mbps	60.00	375.00	450.00	
OC-48 Service - 2488.32 Mbps	60.00	500.00	600.00	
OC-192 Service - 9953.28 Mbps	60.00	2,250.00	600.00	
Ethernet 100 Base	60.00			
Ethernet 1000 Base	60.00			
OC-3 Dedicated Ring	60.00	600.00 ⁽²⁾	N/A	
OC-12 Dedicated Ring	60.00	600.00 ⁽²⁾	N/A	
OC-48 Dedicated Ring	60.00	600.00 ⁽²⁾	N/A	
OC-192 Dedicated Ring	60.00	2,250.00 ⁽²⁾	N/A	

⁽¹⁾ The Administrative and Customer Connection non-recurring charges will be waived for 36 and 60-month terms for new service.

⁽²⁾ Per circuit charge for Dedicated Ring Service is applied once per original ring installed.