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| ITEM 528 | Local Broadcast Transmission Local Loop Service | N |
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| ITEM 528.1 | Service Description | |
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This service provides broadcast-quality uni-directional video transmission channels and embedded audio signals or associated audio signals, for fulltime use or occasional use, in a point to point configuration between service locations within the local service area. The service is provided over existing local access facilities and uses broadcast quality autosensing technology to transmit high definition digital video, standard definition digital video, data files or analogue signal and associated audio, in accordance with standards listed in Conditions of Service.

Definitions

For the purposes of this Tariff Item:

“Autosensing” means the use of technology which allows the transmission of video in different formats and does not require additional hardware to change the configuration of the incoming signal.

“Broadcast Quality” means a video signal that is acceptable to television broadcasters such as television stations.

“High Definition” refers to any video system of higher resolution than Serial Digital Interface, and involves display resolutions of 1024x768 pixels, 1280x720 pixels, 1440x1080 pixels, 1280x1080 pixels, and 1920x1080 pixels.

“1080i” video format with resolution of 1440x1080, uses half of the 1080p due to interlace.

“1080p” video format with resolution of 1920x1080, uses full HD resolution

“SDI” Serial Digital Interface provides the means to transmit an uncompressed digital video signal over coaxial cable. The speed is set for 270mbps when a standard 75ohm cable is used.

“NTSC or Analogue Video and two associated audio channels”, is an analogue video transmission that carries a standard definition video signal and associated audio signals

“Data files” involves video and audio files that can be transmitted over ethernet access for the purpose of file transfer application.

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ITEM 528.1 **Definitions - Continued**

“Early Termination Charge” as it applies to Fulltime and Seasonal Use means the amount which is obtained by multiplying the number of months remaining in the unexpired portion of the contract term by 50% of the monthly rate.

“Equipment in Place” means locations where suitable Company facilities or equipment is in place and where the Company does not require advance notice for the construction and installation of equipment for the broadcast transmission.

“Equipment Not in Place” means locations where suitable Company facilities or equipment is not available and the Company requires advance notice for the construction and installation of equipment for the broadcast transmission.

“In band” means the sharing of same facilities for management of signal transmission.

“Management” means the ability to manage end locations remotely through in band or out of band facilities for monitoring and fault management purposes

“Out of band” means not sharing of facilities for management for signal transmission.

“Data” means the use of a broadcast loop to transmit files between the customers’ studios or stations using Ethernet interfaces.

“Seasonal Use” means the use of a broadcast-quality video transmission channel for a minimum of 3 consecutive months per year on a contracted basis of one to five years.

“TOC” means Television Operations Centre.

“Uni-directional” means one-way signal or service.

“Video” means the signal frequencies that carry the television images.

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| ITEM 528 | Local Broadcast Transmission Local Loop Service - Continued | N |
| ITEM 528.2 | Conditions of Service | |
| | <ol style="list-style-type: none">1. Local Broadcast Transmission Local Loop Service is for use of facilities between Customer service locations or a customer premise to the Television Operations Centre (TOC).2. Local Exchange carriage of High Definition Digital Video signals conform to SMPTE standard 274M, 292M, 296M, 349M, 372M, 424M, and SMPTE 310 for ATSC. Audio signals may be embedded into the data stream by the customer; however, TELUS will not provide audio embedding devices. Local Exchange carriage of Digital Video signals conform to SMPTE standard 259M/A, 259M/B, 259M/C, ITU standard - 601, and DVB - ASI signals. Audio signals may be embedded into the data stream by the customer; however, TELUS will not provide audio embedding devices. Local Exchange carriage of Analogue Video signals conforms with NTSC , SMPTE 170 and ITU624-4 , for the transport of analogue video and associated audio signals. Local Exchange carriage of Video files as data are completed over Ethernet access RJ45 links.3. TELUS Communications Company shall provide Local Broadcast Transmission Local Loop Service within an exchange area or between serving rate centres where distances are less than 25 miles apart.4. The Location of the Customer Connection Point at the Customer's Premises shall be as stated in the Company's General Tariff (CRTC 21461), Item 104.5. The Customer is responsible to provide, install, maintain and repair the inside wiring within the Customer's Premises.6. Where the Customer requests the Company to provide and install inside wiring, the Customer shall pay to the Company all costs associated with the particular installation.7. The Customer is solely responsible for the installation, operation, upgrade and maintenance of Customer Provided Equipment. | |

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Local Broadcast Transmission Local Loop Service – Continued

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Conditions of Service - Continued

8. When it is necessary to install special equipment or incur an unusual expense to establish a Local Broadcast Transmission Local Loop Service, the customer shall pay an additional charge based on the equipment installed and the unusual expense incurred.
9. The service is for carriage of fulltime and occasional local broadcast quality video and associated embedded audio signals or associated audio signals. Transmission of other signals is permitted if applicable technology allows the use of the same facilities to be shared together with the local video and audio signals as well as other type of signals such as file transfer or data.
10. Channels are leased for transmission in one direction or bi-directional between points in the Company's serving territory.
11. The service is provided subject to the availability of suitable local facilities.
12. The Local Broadcast Transmission Local Loop Service is provided in the following configurations:
 - a. From service point to service point crossing at least one TELUS central office.
 - b. From service point to the Company's TOC, for circuit monitoring, switching to other local or inter-exchange video transmission channels as per customer request.
13. Distance measurement for the purpose of calculating channel distance is measured in airline mileage, service point to service point or service point to TOC:
14. Within the Company, local video transmission channels are available as follows:
 - a. Within an exchange;
 - b. Between adjoining exchanges, where the maximum distance between serving wire centres cannot exceed 25 miles; and
 - c. Between non-adjoining exchanges, where the maximum distance between serving wire centers cannot exceed 25 miles.

Dedicated Network Services

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| 528.2 | Conditions of Service – Continued | |
| | 15. Subject to General Tariff (CRTC 21461), Items 118 and 124, “General Terms of Service”, the Company does not guarantee uninterrupted working of its service and/or equipment. The Company shall not be financially liable to any customer, user or other person for damages resulting from mistakes, omissions, interruptions, delays, errors in transmission, defects in transmission, failures or defects in equipment, or from any other cause unless, stipulated otherwise in the Company’s Tariffs. | |
| | 16. A bulk discount is available based on the number of channels which the customer has connected between the same two transmission points. The bulk discount is available to customers on a contracted basis. | |

ITEM 528 **Local Broadcast Transmission Local Loop Service - Continued** N

ITEM 528.2 **Conditions of Service - Continued**

In addition to Conditions of Service 1 – 16 inclusive, the following Conditions of Service apply to Occasional Use of Local Broadcast Transmission – Autosensing Service:

17. Cancellation charges are applicable in the following circumstances:

- a. cancellation charge of 100% of the scheduled charges applies if the customer cancels after the beginning of the scheduled transmission time as booked by the customer or less than 24 hours prior to the beginning of the scheduled transmission time as booked by the customer.
- b. A cancellation charge of 50% of the scheduled charges applies if the customer cancels between 24 and 72 hours prior to the beginning of the scheduled transmission time as booked by the customer.
- c. No cancellation charges will apply if the occasional service is cancelled at least 72 hours prior to the scheduled transmission time as booked by the customer.
- d. Any change or rescheduling of a reservation within 72 hours of the beginning of the scheduled transmission time as booked by the customer will result in cancellation charges identified in 17.a and 17.b, except under the following conditions:
 - i. the customer changes the beginning of the transmission time to an earlier start time;
 - ii. the customer changes the end of the transmission time to a later end time;
 - iii. the customer reschedules the service to a later time. The rescheduled service must be the same service end points as the originally scheduled service. A reservation may be rescheduled only once. Reservations which are rescheduled and then cancelled are charged a cancellation charge of 100%.

ITEM 528 **Local Broadcast Transmission Local Loop Service - Continued** N

ITEM 528.2 **Conditions of Service - Continued**

In addition to Conditions of Service 1 – 16 inclusive, the following Conditions of Service apply to Full time and Seasonal Use of Local Broadcast Transmission – Autosensing Service:

18. The Customer may terminate the Agreement at any time prior to the expiration of the Term, by paying the Company the “Early Termination Charge”. The Early Termination Charge represents a genuine pre-estimate of damages by the parties, and shall be payable by the Customer as liquidated damages and not as a penalty.

19. Services provisioned under an existing Special Facilities tariff may migrate to this General Tariff Item as per the following conditions:

- a. Applicable service charges and termination charges will be waived if the contract length remains the same or is extended.
- b. The termination charges for the current service will be reduced by one half of the new committed revenues if the contract length is modified. The maximum reduction in termination charges would result in a total waiver of termination charges for the current item.

20. The sports venues shall be connected to the TELUS TOC only and not directly to a customer’s premise.

21. The sports venues connection to the TOCs will not be charged on a daily, weekly or monthly rate.

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Section V

ITEM 528 **Local Broadcast Transmission Local Loop Service – Continued** N

ITEM 528.3 **Rates**

a. Full time Local Broadcast Service Schedule

The Customer shall pay to the Company the following range monthly rates and charges for Local Broadcast Video Transmission High Definition Digital Service

| Contract Term (years) | Minimum Monthly Rate per channel | Maximum Monthly Rate per channel | Minimum Service Charge per channel | Maximum Service Charge per channel |
|-----------------------|----------------------------------|----------------------------------|------------------------------------|------------------------------------|
| 1 | # | \$ 3,500.00 | # | \$2,000 |
| 2 | # | \$ 3,200.00 | # | \$2,000 |
| 3 | # | \$ 3,000.00 | # | \$2,000 |
| 4 | # | \$ 2,700.00 | # | \$2,000 |
| 5 | # | \$ 2,500.00 | # | \$2,000 |

b. Multiple Channel Discount

If the customer installs more than one local video transmission channel, with the same contract term and the same termination points, the following percentage discount will apply to the per channel Monthly Rate.

| No. of Channels | Discount % (See Note 1) |
|-----------------|-------------------------|
| 2 | 3 |
| 3 | 6 |
| 4 | 9 |
| 5+ | 12 |

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ITEM 528 Local Broadcast Transmission Local Loop Service- Continued

ITEM 528.3 Rates – Continued

c. Seasonal Use Schedule

| Contract Term (years) | Minimum Monthly Rate per channel | Maximum Monthly Rate per channel | Minimum Service Charge per channel | Maximum Service Charge per channel |
|-----------------------|----------------------------------|----------------------------------|------------------------------------|------------------------------------|
| 1 | # | \$ 3,900.00 | # | \$2,000 |
| 2 | # | \$ 3,800.00 | # | \$2,000 |
| 3 | # | \$ 3,600.00 | # | \$2,000 |
| 4 | # | \$ 3,400.00 | # | \$2,000 |
| 5 | # | \$ 3,200.00 | # | \$2,000 |

d. Occasional Use Schedule

| Usage | Minimum Occasional Use Rate | Maximum Occasional Use Rate | Minimum Service Charge (Equipment in Place) | Maximum Service Charge (Equipment in Place) | Minimum Service Charge (Equipment not in Place) | Maximum Service Charge (Equipment not in Place) |
|----------------------------|-----------------------------|-----------------------------|---|---|---|---|
| 15 Minutes | # | \$125 | # | \$250 | # | \$750 |
| 30 Minutes | # | \$175 | # | \$250 | # | \$750 |
| 45 Minutes | # | \$225 | # | \$250 | # | \$750 |
| 60 Minutes | # | \$275 | # | \$250 | # | \$750 |
| Each additional 15 Minutes | # | \$68.75 | # | \$250 | # | \$750 |
| Daily | # | \$1000.00 | # | \$250 | # | \$750 |
| Weekly | # | \$2000.00 | # | \$250 | # | \$750 |
| Monthly | # | \$4000.00 | # | \$250 | # | \$750 |

e. Additional Audio Channels

| Number of Channels | Minimum Charge | Maximum Charge | Minimum Service Charge | Maximum Service Charge |
|--------------------|----------------|----------------|------------------------|------------------------|
| First | # | \$30.00 | # | \$50.00 |
| Second | # | \$20.00 | # | \$50.00 |

f. Manned Operation

In addition to the applicable Service Charges, there is a Manned Operations charge at # per hour minimum and \$120.00 maximum.

g. Switching Charges

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| Network configuration | Minimum Service Charges | Maximum Service Charges |
|--|-------------------------|-------------------------|
| First switch | Included | Included |
| Each additional switch | # | \$85.00 |
| Flat rate monthly switch port fee | # | \$500.00 |
| Contracted 1 to 5 Year switch port fee | # | \$450.00 |