

ITEM
516**Signal Transmission Service (BC-only)**ITEM
516.1**Service Description**

Signal Transmission Service (STS) provides for Company channels that support the transmission of signal pulses between items of equipment of the Customer that are connected to the Company's STS channels for the following purposes:

- Remote reading of electric, water, steam, oil and gas meters;
- Remote operation of electric, radio, water, steam, oil and traffic systems and rail switching positions; or
- Operation of signalling devices of the Customer (such as: police, fire, watchman, sprinkler or burglar alarms and clocks; messenger call boxes and buzzer equipment).

Definitions

For the purposes of this Tariff item, the Company provides three (3) classes of STS channels, defined as follows:

“Class A” means channels suitable for the transmission of signal pulses up to 30 bauds.

“Class B” means channels suitable for the transmission of signal pulses up to 55 bauds.

“Class C” means channels similar in transmission characteristics to those provided for full-period private line data telephone service.

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516.2**Conditions of Service**ITEM
516.2A**Conditions of Service - General**

1. STS channels are provided for continuous use between Customer service points in one or more exchanges, on a two-point or multi-point basis.
2. The Company shall provide a suitable termination of the STS channel on the Customer's premises reasonably close to the Customer's terminating equipment. On request of the Customer, the Company provides, installs and maintains certain items of terminating equipment, for which charges are based on cost. All additional equipment and wiring are to be provided, installed, owned and maintained by the Customer, in accordance with the following conditions:
 - a. The potential of a direct-current power supply from Customer-provided equipment is not to exceed 130 volts conductor to ground or 260 volts conductor to conductor.
 - b. The potential of an alternating-current power supply below 160 hertz from Customer-provided equipment is not to exceed 95 volts root mean square value between conductors or between any conductor and ground. The current and voltage limitations for a single frequency above 160 hertz are a function of the frequency used and are to be within such limits as the Company specifies.
 - c. The operating electrical current used in the Customer's system, as applied to the Company's facilities, shall not exceed 62.5 milliamperes at speeds up to 75 baud and 20 milliamperes up to 180 baud.
 - d. All the Company's STS channels operating at speeds above 180 baud must make use of tone type subsets.
 - e. The Customer's system is to be so designed that it cannot give rise to voltages substantially higher than specified in Items 516.2A.2.a and b above and is to conform to the requirements of a communication circuit as defined in the Canadian Electrical Code, Part I, issued by the Canadian Standards Association; and to the requirements of any other competent authority, from time to time, in force.
 - f. The noise value of the signal current impressed on the signal channel is to be within such limits as the Company specifies and must not create interference with services furnished by the Company, or other channels provided by the Company.

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516.2A **Conditions of Service - General - Continued**

3. The Customer is to specify the use to be made of each STS channel, which is subject to the Company's approval and may be changed only with the Company's consent. F
4. STS channels may not be connected with equipment or wiring used for telephone or radio broadcasting, nor with any other channel whose basic facility is not provided by the Company. |
5. Transmission may be in one direction or alternately in either direction, without additional charge. Duplex operation is also provided.
6. The Company does not guarantee uninterrupted working of its service and/or equipment. The Company shall not be 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; provided, however, that in any such case the Company shall on Customer's request make a refund of charges proportionate to the length of the interruption to the service. |

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516.2B **Conditions of Service – Specific to Distribution Equipment**

1. Bunching Block:
 - a. Bunching Block distribution equipment shall be provided at no additional charge for up to twenty (20) terminations in any one central office involved in serving a multi-point Class A or B alarm or signal network. The STS Local Channels to each termination shall be measured and charged on a quarter airline mile basis subject to the Minimum Monthly Rate. STS Intraexchange Channels interconnecting central offices involved in the network shall be measured and charged on a quarter airline mile basis.
 - b. The Service Charge shall be \$100.00 for the first terminal at each Customer service point and \$60.00 for each additional terminal on continuous property. When connecting to the distributing equipment, the Service Charge shall be \$60.00 at each terminal.
 - c. Under unusual circumstances and subject to the Company's approval, more than twenty (20) terminations may be provided at the central office. The additional cost shall be determined and may be chargeable based on the individual circumstances. |
2. Dedicated Loop Service: The rates and conditions for Dedicated Loop Service are specified in Item 513, Dedicated Loop Service.

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Rates

The Customer shall pay to the Company the following rates and charges for Signal Transmission Service. Such rates and charges are in addition to any other rates and charges that may be applicable.

1. Local Channels: (Note 1)
 - a. Class A & B channels: (Note 2)
 - i. Service points in different exchanges:

Intraexchange channel for an Inter-exchange Service; or
Local channel with interexchange channel

Service Item	Monthly Rate	Service Charge
Each channel to a building in which there are one or more service points:		
5 level – 60-speed (45 baud)	\$ 84.70	---
– 75-speed (55 baud)	84.70	---
First terminal at each service point	---	\$121.00
Each terminal in excess of one on continuous property	---	72.60
Channel Termination, each	\$ 31.46 (Note 3)	---

- ii. Service points on different properties in the same exchange:

Service Item	Monthly Rate	Service Charge
Each channel, each quarter mile between the centres of buildings where service located	\$ 15.73 (Note 4)	---
Minimum Monthly Rate, each channel	77.64	---
First terminal at each service point	---	\$ 121.00
Each terminal in excess of one on continuous property	---	72.60

- b. Class C channels: Rates and charges per Private Line Service – Data/Local Channels specified in TELUS General Tariff (CRTC 21461), Item 522.

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Rates - Continued

2. Interexchange Channels: (Notes 1 & 5)

a. Class A & B channels: (Note 2) - Intraprovincial

Service Item	Monthly Rate	Service Charge
Each channel, each mile of rate distance between rate centres of the terminal exchanges: 75-speed (55 baud), 0–100 miles	\$ 12.48	---
Minimum Monthly Rates, each channel: (except that the minimums are not applicable to the Canadian portion of an international service)		
60-speed (45 baud)	\$320.65	---
75-speed (55 baud)	321.46	---

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b. Class C channels: Rates and charges per Interexchange Line Mileage - Data specified in TELUS General Tariff (CRTC 21461), Item 522.

Note 1: Subject to availability of metallic facilities. Service will not be available for new installations, moves, additions or changes after 1993 03 31.

Note 2: The STS channel rates and charges specified are for two-point channels. Multi-point channels are rated on a leg-by-leg basis (shortest total routing), each leg being rated as a two-point channel. Minimum Monthly Rates as specified in Item 516.3.2.a apply to the total of these combined charges.

Note 3: A Channel Termination charge is applicable in each rate centre in which a service point is located.

Note 4: For a multi-point service, end service point is designated as the control point. The mileage charge is determined separately for the portion of channel between the control point and each of the other service points. When a distributing or switching arrangement is provided, the point where the arrangement is located is designated as the control point.

Note 5: “Interexchange” shall mean between different rate centers, whether Extended Area Service is provided or not.