

TELEPHONE SERVICE IN HAZARDOUS LOCATIONS

The surroundings, material and/or equipment used in certain industries are of such nature as to be potentially hazardous, or inaccessible to Telephone Company employees. Service will be provided at such locations subject to the following conditions.

A. CONDITIONS

1. The Telephone Company reserves the right to determine if the danger is sufficient to justify requiring special protective equipment or if Company personnel will be permitted to enter the hazardous area. The presence of customer employees in the area will not necessarily be construed to indicate that the area is sufficiently safe for Telephone Company employees.
2. The Telephone Company will determine if special equipment is required and will specify the requirements for any protective devices or action to be supplied by the customer. The cost of any special equipment or protective devices will be borne by the customer. Protective equipment provided by the customer may be connected to Telephone Company facilities if such equipment meets the Telephone Company specifications.
3. The Telephone Company may refuse to furnish, or may interrupt service without prior notification to the customer, if such action should be necessary to protect the service or employees of the Telephone Company, or the public, because of failure of the customer to comply with these conditions.
4. The Telephone Company, may, upon suitable notification to the customer, make such tests and inspections as may be necessary to determine that the prescribed safety measures are being taken by the customer.
5. The customer may be required to provide trained personnel to accompany, protect and advise the Telephone Company employees while they are in the hazardous area.
6. The customer may agree to install and maintain the Telephone Company equipment in the hazardous area as a condition of obtaining service. The customer is responsible for any interruption of service due to failure of any facilities that he agrees to maintain and no billing allowance will be made for loss of service due to this cause.

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B. TELEPHONE SERVICE IN AREAS WITH SPECIFIC TYPES OF HAZARD

1. Explosive Atmospheres

Sealed explosion resistant telephone equipment, approved by the National Board of Fire Underwriters, may be installed in locations containing various explosive or inflammable atmospheric mixtures of gases or combustible ducts, identified as Groups C through G in the National Electrical Code. This type of equipment is not approved for use in atmospheres classified as Groups A or B containing acetylene, hydrogen gas or manufactured gas. All wiring must be enclosed in sealed conduit.

The conduit, line cut off switch and sealing condulets are provided by the customer.

2. Areas with High Voltage Electric Currents

The presence of very high voltage near telephone facilities in electric power producing plants, substations and certain industrial plants requires protective arrangements in excess of those normally provided by the Telephone Company.

The technical complexity of the factors involved require that the determination of the type of protective arrangement be made by the Telephone Company for each installation, when:

- a. The substation or electric power producing plant is so located that a suitable metropolitan water system is not available for use as a ground.
- b. A metal building is used as a substation at any location.
- c. The maximum "ground fault potential" exceeds 1,000 Volts.

Typical protective equipment includes:

Insulating devices to protect the user by preventing his contact with any metal capable of carrying an electric current, such as insulated backboards, insulated platforms, wooden booths with insulated floors, short handset cords and heavily insulated cable.

Gas-tube or heavy fuse type protectors to limit the voltage that can pass over the facilities may be required to protect the equipment in addition to the fuse or carbon block protectors normally provided by the Telephone Company.

Wiring to a remote ground and/or insulating transformers are required for installations with high "ground fault potentials".

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B. TELEPHONE SERVICE IN AREAS WITH SPECIFIC TYPES OF HAZARD (Cont'd)

2. Areas with High Voltage Electric Currents (Cont'd)

Neutralizing transformers, connected to primary and secondary circuits so that the voltages in the various circuits will oppose and neutralize each other, are required if the service is of an essential control type, such as pilot wire or supervisory control, that must remain operative during an electrical fault.

3. Elevators

The customer is required to furnish, install and maintain a flexible cable within the elevator shaft as Telephone Company employees are not permitted to enter the shaft. The Telephone Company will connect the telephone in the cab with the cable if it is not necessary to enter the shaft in order to make the connection.

4. Mines

Facilities to be located below the surface will be furnished by the Telephone Company provided that conditions are such that the equipment will operate in accord with the Telephone Company standards. The customer is required to install and maintain all facilities below ground.

Customer owned and maintained magneto circuits may be terminated as stations on a common battery branch exchange provided by the Telephone Company above ground. Magneto line terminating equipment is required for each line terminated.

5. Other Types of Hazard

Services will only be provided in areas containing other types of hazard, such as: high explosive manufacturing plants; areas potentially subject to extreme radiation; open structures of exceptional height; other miscellaneous hazards; subject to procedures and protective devices dictated by the type of hazard.

C. RATES

1. Normal tariff charges apply for all services provided by the Telephone Company when installation and maintenance are performed by the customer due to the hazardous conditions.

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(Reserved for Future Use)

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