

APPENDIX A.

REGULATIONS FOR THE CONTROL OF ELECTRIC LIGHT AND POWER SUPPLY AND THE ERECTION OF ELECTRIC LIGHT, POWER, AND TRACTION WIRES.

I.—ELECTRIC LIGHT AND POWER.

DEFINITIONS.

In the following Regulations the expression “Order” means any Order of the Governor in Council granted or made pursuant to the Act.

The expression “the undertakers” means the undertakers for the purpose of the Order.

The expression “the consumer” means any body or person supplied or entitled to be supplied with energy by the undertakers.

The expression “consumer’s terminals” means the ends of the electric wires situate upon any consumer’s premises, and belonging to him, at which the supply of energy is delivered from the service conductors.

The expression “consumer’s wires” means any electric wires on a consumer’s premises which are connected with the service conductors of the undertakers at the consumer’s terminals.

The expression “constituted authorities” means the Board of Control or the authorities appointed by the several Australasian Governments.

The expression “local authority” means the municipal or other authority having control of the area within which the Order applies.

The expression “inspector” means any person appointed by the constituted authorities for the purposes of these regulations.

The expression “aerial conductor” means any wire or cable for the transmission of electrical energy for light or power purposes placed above ground in the open air.

The expression “service conductor” means any conductor used to connect any aerial or underground main conductor with a consumer’s premises.

The expression “efficient earth” means that when any casing, support for conductors, conducting wire, or other metallic body is required to be efficiently connected to earth, such casing, support, conducting wire, or metallic body shall be deemed to be so connected when it is connected to metallic mains for water supply, outside of buildings, or, where these are not available, to a mass of metal having a total surface of at least 4 square feet, buried to a depth of at least 3 feet in moist earth, by means of a conductor possessing a mechanical strength, and offering a passage to electrical discharges, equal to that of a strand of seven No. 16 S.W.G. galvanized-iron wires.

The expression “pressure” means the difference of electrical potential between any two conductors through which a supply of energy is given, or between any part of either conductor and the earth; pressure on any alternating current system being taken to be the equivalent of pressure on a continuous current system when it produces an equal heating effect if applied to the ends of a thin stretched wire or carbon filament; and—

- (a) Where the conditions of the supply are such that the pressure cannot at any time exceed 300 volts if continuous, or the equivalent of 150 volts if alternating, the supply shall be deemed a low-pressure supply—
- (b) Where the conditions of the supply are such that the pressure may exceed the limits of a low-pressure supply, but cannot exceed 3,000 volts or the equivalent of 3,000 volts, whether continuous or alternating, the supply shall be deemed a high-pressure supply;
- (c) Where the conditions of the supply are such that the pressure may on either system exceed 3,000 volts, or the equivalent of 3,000 volts, the supply shall be deemed an extra high-pressure supply

Mains, service, and other conductors and apparatus are referred to as low-pressure, high-pressure, and extra high-pressure mains, &c., according to the conditions of the supply delivered through the same or particular portions thereof

The expression “earth return” means that the earth is used as a passage for the return current solely or in conjunction with a metallic conductor.

The expression “electrical energy” means the capacity for doing work by electricity

REGULATIONS AS TO SAFETY

General.

1 *Low-pressure supply to consumers.*—Save as hereinafter provided, the supply of energy delivered to the consumer’s terminals shall be a low-pressure supply

2 *Limitations of high-pressure supply.*—A high-pressure supply shall not be delivered to any consumer’s terminals except for special purposes, and with the approval of the constituted authorities, on the joint application of the consumer and the undertakers, and subject to such further regulations as the constituted authorities may from time to time prescribe. But a high-pressure supply may be given to distributing or converting stations or points or to distributing mains, in accordance with the following Regulations.