
Chairman

Regulator for Energy and
Water Services

Minister for Energy and
Water Management

Prime Minister

L.N. of 2020

Regulator for Energy and Water Services Act

(CAP. 545)

Electrical Installations (Amendment) Regulations, 2020

IN exercise of the powers conferred by article 37(1) of the Regulator for Energy and Water Services Act, the Minister for Energy and Water Management, after consultation with the Regulator for Energy and Water Services, has made the following regulations:

Title. S.L.545.24.

- 1.** The title of these regulations is the Electrical Installations (Amendment) Regulations, 2020, and these regulations shall be read and construed as one with the electrical Installations Regulations, hereinafter referred to as "the principal regulations".

Amends Regulation 2 of the principal regulations.

- 2.** Regulation 2 of the principal regulations shall be amended as follows:

- (a) immediately after the definition "authorised provider", there shall be added the following new definitions:

“ “ backup equipment” means the additional hardware and control system other than the anti-islanding protection that disconnects the generators and/or energy storage from the distribution system and changes over to a backup operation mode;

“backup operation mode” means the disconnection from the distribution system and continuing operation of a generator or energy storage in the event of the loss of power from the distribution system with complete effective isolation from the distribution system while in this mode of operation;

27.4.2016 L 112/1.

“Commission Regulation (EU) 2016/631” means Commission Regulation (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators;”;

(b) immediately after the definition “customers”, there shall be added the following new definition:

“distribution system” shall have the same meaning as under the Electricity Market Regulations;

(c) immediately after the definition “electricity service meter”, there shall be added the following new definitions:

“ “energy storage” means, in the electricity system, the deferring of the final use of electricity to a moment later than when it was generated, or the conversion of electrical energy into a form of energy which can be stored, the storing of such energy, and the subsequent reconversion of such energy into electrical energy or use as another energy carrier;

“energy storage facility” means, in the electricity system, a facility where energy storage occurs.”;

(d) immediately after the definition “I.E.E. Regulations”, there shall be added the following new definition:

“interface protection system” means an automatic switch that disconnects the energy storage facility from the distribution system in the event of loss of supply

from the distribution system or deviation of the voltage or frequency at the supply terminals from values declared for normal supply;

(e) the definition of "Minister" shall be substituted by the following new definition:

““Minister" means the Minister responsible for energy;”;

(f) immediately after the definition of "Minister", as amended, there shall be added the following new definition:

““MSA EN 50549-1” means MSA EN 50549-1 Requirements for generating plants to be connected in parallel with distribution networks - Part 1: Connection to a LV distribution network - Generating plants up to and including Type B;”;

(g) immediately after the definition "Network code", there shall be added the following new definition:

““new generator” means a power generating module which is not considered existing within the meaning of Article 4 of Commission Regulation 2016/631”.

Substitutes regulation 19 of the principal regulations.

3. Regulation 19 of the principal regulations shall be substituted by the following new regulation:

“Generators operating in parallel with the electricity distribution system.

19. Generators operating in parallel with the electricity distribution system:

(a) shall comply with the Network Code; and

(b) a new generator shall comply with Commission Regulation and unless specified otherwise in the Network Code, shall also comply with MSA EN 50549-1 or an equivalent standard thereof when so considered by the Standards and Metrology Institute within the Malta Competition and Consumer Affairs Authority;

(c) shall be provided with backup equipment when designed to operate in backup operation mode which backup equipment shall use hardware that physically breaks the connection with the distribution system. Solid state relays or other semiconductors to break the connection are not permitted:

Provided that the protection of the internal electrical installation shall remain functional also when supplied through the generator operating in backup operation mode.

The anti-islanding protection in all cases shall automatically disconnect from the distribution system in the event of loss of supply from the distribution system, and/or deviation of voltage and/or frequency from normal supply conditions.

(d) There must be appropriate signage indicating the presence on the premises of a generator equipped with Backup operation mode function.”.

Adds new regulation 19A to the principal regulations.

4. Immediately after regulation 19 of the principal regulations, as amended, there shall be added the following new regulation:

“Energy storage facilities.

19A An energy storage facility operated in parallel with the electricity distribution system shall include an interface protection system:

- (a) that complies with the Network Code; and
- (b) which, unless the Network Code provides otherwise, complies with MSA EN 50549-1 or an equivalent standard thereof when so considered by the Standards and Metrology Institute within the Malta Competition and Consumer Affairs Authority;
- (c) shall be provided with backup equipment when designed to operate in backup operation mode which backup equipment shall use hardware that physically breaks the connection with the distribution system. Solid state relays or other semiconductors which break the connection are not permitted.

Provided that the protection of the internal electrical installation shall remain functional also when supplied through the generator operating in backup operation mode.

The interface protection system in all cases shall automatically disconnect from the distribution system in the event of loss of the supply from the distribution system, and/or deviation of voltage and/or frequency from normal supply conditions.”.

(d) there must be appropriate signage indicating the presence on the premises of an energy storage facility equipped with backup operation mode function.”.

