

Electricity Industry Participation Code 2010

Part 1 Preliminary provisions

Contents

1.1 Interpretation

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- (1) In this Code, unless the context otherwise requires,—

...

associated equipment, for the purposes of the definition of **distribution network** and Part 6, means any equipment that is used, or designed or intended for use, in connection with any works or ~~electrical-consumer installation~~, if such use is for **construction**, maintenance, or safety purposes and not for purposes that relate directly to the generation, conversion, transformation, conveyance, or use of **electricity**

...

~~**capacity**, in relation to a **distribution network**, means the capability of the **network** to convey **electricity** under a range of load and generation conditions in accordance with **reasonable and prudent operating practice**~~

...

connect, in relation to **distributed generation**, means to be ~~electrically~~ connected electrically to a **distribution network** or to a **consumer installation** that is ~~electrically~~ connected electrically to a **distribution network**, and **connected** has a corresponding meaning

connection and operation standards, in relation to a **distributor** or **distributed generation**,—

- (a) means requirements, as amended from time to time by the **distributor**, that—
- (i) are set out in written policies and standards of the **distributor**; and
 - (ii) relate to the connection of **distributed generation** and the operation of the **distribution network**, including requirements

relating to the planning, design, construction, testing, inspection, and operation of **assets** that are, or are proposed to be, **connected** ~~connected to the **distribution network**~~; and

- (iii) are made publicly available in accordance with clause 6.3; and
 - (iv) reflect, or are consistent with, ~~reasonable and prudent operating practice~~ **reasonable and prudent operating practice**; and
- (b) includes the following, as amended from time to time by the **distributor**:
- (i) the **distributor's congestion management policy**, as referred to in clause 6.3(2)(d); and
 - (ii) the **distributor's** emergency response policies; and
 - (iii) the **distributor's** safety standards

...

consumer installation, for the purposes of the definitions of **associated equipment**, **connect**, ~~**distributed generation**~~, ~~**electrical installation**~~, ~~**fittings**~~, and Part 6, ~~means~~ includes—

- (a) ~~an **electrical installation** means all **fittings** that are part of a system for conveying **electricity** from a **consumer's point of supply** to any point from which **electricity** conveyed through that system may be consumed; and~~
- (b) ~~includes any **fittings** that are used, or designed or intended for use, by any person in or in connection with the generation of **electricity**—~~
 - (i) ~~for that person's use and not for supply to any other person; or~~
 - (ii) ~~so that **electricity** can be injected into a **distribution network**; ~~but~~ and~~
- (c) ~~does not include any appliance that uses, or is designed or intended to use, **electricity**, whether or not it also uses, or is designed or intended to use, any other form of energy~~

...

distributed generation means ~~equipment used, or proposed to be used, for generating **electricity**~~ **generating plant** that is **connected**, or proposed to be **connected**, but does not include—

- (a) ~~is connected, or proposed to be connected, to a~~
distribution network, or to a ~~consumer installation~~
~~that is connected to a~~ **distribution**
~~network~~**generating plant connected** and operated by
a **distributor** for the purpose of maintaining or
restoring the provision of **electricity** to part or all of
the distributor's distribution network; and~~or~~
- (i) ~~as a result of a planned~~ **distribution network**
outage; or
- (ii) ~~as a result of an unplanned~~ **distribution**
network outage; or
- (iii) ~~during a period when the~~ **distribution**
network capacity would otherwise be
exceeded on part or all of the **distribution**
network; or
- (b) ~~is capable of injecting~~ **electricity** ~~into that~~
~~distribution~~**generating plant** ~~that is only~~
~~momentarily~~ **synchronised** ~~with the~~ **distribution**
network for the purpose of switching operations to
start or stop the **generating plant**, for example,
standby generation

distributed generator, for the purposes of Part 6, means a
person who owns or operates, or intends to own or operate,
distributed generation

...

distribution network means the **electricity lines**, and
associated equipment, owned or operated by a **distributor**,
~~but does not include~~

- (a) ~~the national grid; or~~
- (b) ~~an embedded network that is used to convey less~~
~~than 5 GWh per annum~~

distribution network capacity means the capacity of ~~the~~
distribution network to convey **electricity** under a range of
load and **generation** conditions in accordance with
reasonable and prudent operating practice

distributor means as follows:

- (a) except in Part 12A, and as provided in paragraphs (b)
and (c), a **participant** who supplies **line function**
services to another person:
- (b) in Parts 1 (except for the definitions of **connection**
and operation standards, **distributed generation**,
distribution network, and **specified participant**), 8,

and 10 to 15, a **participant** who owns or operates a **local network**; and—

- (i) in Part 8, includes a **direct consumer**; and
- (ii) in Parts 10, 11, 13 and 15 includes an **embedded network owner**;

(c) for the purposes of the definitions of **connection and operation standards, distributed generation and distribution network** and Part 6, a **participant** who owns—

- (i) a **local network**; or
- (ii) an **embedded network** that is used to convey 5 GWh or more per annum; or
- (iii) a system of **lines** that—
 - (A) is used for providing **line function services** to a person other than the owner of those **lines**; and
 - (B) has no direct or indirect connection to the **grid**; and
 - (C) conveys 5 GWh or more of **electricity** per annum

...

electrical installation means,—

~~(a) —for the purposes of the definitions of **associated equipment** and **consumer installation**—~~

- ~~(i) —all **fittings** that form part of a system for conveying **electricity** at any point from the **point of supply** to a **consumer** to any point from which **electricity** conveyed through that system may be consumed; and~~
- ~~(ii) —includes any **fittings** that are used, or designed or intended for use, by any person, in or in connection with the generation of **electricity** for that person's use and not for supply to any other person; but~~
- ~~(iii) —does not include any appliance that uses, or is designed or intended to use, **electricity**, whether or not it also uses, or is designed or intended to use, any other form of energy;~~

~~(b) —for the purposes of the rest of this Code, all ~~fittings~~**fittings** that form part of a system for~~

conveying **electricity** at any point from an **ICP** to any point from which **electricity** conveyed through that system may be consumed (including any fittings that are used or designed or intended for use by any person in, or in connection with, the generation of **electricity** for that person's use and not for supply to any other person), but does not include any electrical appliance

...

fittings, for the purpose of the definition of **consumer installation** ~~and paragraph (a) of the definition of **electrical installation**~~, means everything used, or designed or intended for use, in or connection with the generation, conversion, transformation, conveyance, or use of **electricity**

...

incremental costs, for the purpose of Part 6, means the reasonable costs that an efficient **distributor** would incur in providing **electricity** distribution services with connection services to the **distributed generation**, less the costs that the efficient **distributor** would incur if it did not provide those connection services

...

lines, for the purpose of the definition of **distribution network**, ~~**distributor**~~ and Part 6, means works that are used or intended to be used for the conveyance of **electricity**

...

nameplate capacity means the lesser of—

- (a) the full-load continuous rating of **generating plant** under conditions as specified by its designer and measured in **MW** or kilowatts; ~~or~~ and
- (b) the full-load continuous rating of the **generating plant's** inverter (if any) under conditions specified by its designer and measured in **MW** or kilowatts

...

~~**national grid**, for the purposes of the definition of **distribution network**, has the meaning given to it in section 5 of the Act~~

...

reasonable and prudent operating practice, in relation to **distributed generation**, includes—

- (a) the industry operating standards; and

- (b) measures to avoid the injection of **electricity** from **distributed generation** that—
- (i) exceeds the **distribution network capacity** of the ~~**distribution network**~~ at the point of injection; or
 - (ii) results in excessive power flow at feeder points or ~~excessive power flow at feeder points~~ or a significant adverse effect on 1 or more of the following:
 - (A) voltage levels; ~~or~~
 - (B) ~~active power~~ **active power** flows; ~~or~~
 - (C) ~~reactive power~~ **reactive power** flows; or
 - (iii) results in a significant adverse effect on the quality and reliability of ~~supply~~ **electricity conveyed** to other users of the **distribution network**; and
- (c) the use or proposed use of reasonable and prudent measures to enable the connection of **distributed generation**

...