

Commission Regulation (EU) 2017/2196 of 24 November 2017 establishing a network code on electricity emergency and restoration (Text with EEA relevance)

CHAPTER V

INFORMATION EXCHANGE AND COMMUNICATION, TOOLS AND FACILITIES

Article 40

Information exchange

1 In addition to the provisions of Articles 40 to 53 of Regulation (EU) 2017/1485, each TSO, when in the emergency, blackout or restoration states, shall be entitled to gather the following information:

- a from DSOs identified in accordance with Article 23(4), the necessary information about at least:
 - (i) the part of their network that is in island operation;
 - (ii) the ability to synchronise parts of their network that is in island operation; and
 - (iii) the capability to start island operation.
- b from SGUs identified in accordance with Article 23(4) and restoration service providers, information about at least the following conditions:
 - (i) the current status of the installation;
 - (ii) the operational limits;
 - (iii) the full activation time and the time to increase generation; and
 - (iv) the time critical processes.

2 During the emergency, blackout or restoration states, each TSO shall provide in due time and for the purposes of system defence plan procedures and restoration plan procedures, the following information, where available to the TSO:

- a to neighbouring TSOs, information about at least:
 - (i) the extent and borders of the synchronised region or synchronised regions to which its control area belongs;
 - (ii) the restrictions to operate the synchronised region;
 - (iii) the maximum duration and amount of active and reactive power that can be supplied via interconnectors; and
 - (iv) any other technical or organisational restrictions;
- b to the frequency leader of its synchronised region, information about at least:
 - (i) the restrictions to maintain island operation;
 - (ii) the available additional load and generation; and
 - (iii) the availability of operational reserves;

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) 2017/2196. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- c to transmission connected DSOs identified in accordance with Article 11(4) and 23(4), information about at least:
 - (i) the system state of its transmission system;
 - (ii) the limits of active and reactive power, block loading, tap and circuit breaker position at the connection points;
 - (iii) the information on the current and planned status of power generating modules connected to the DSO, if not available to the DSO directly; and
 - (iv) all necessary information leading to further coordination with distribution connected parties;
 - d to defence service providers, information about at least:
 - (i) the system state of its transmission system; and
 - (ii) the scheduled measures that require participation of the defence service providers;
 - e to DSOs and SGUs identified pursuant to Article 23(4) and to restoration service providers, information about at least:
 - (i) the system state of its transmission system;
 - (ii) the ability and plans to re-energise couplings; and
 - (iii) the scheduled measures that require their participation.
- 3 TSOs in emergency, blackout or restoration state shall exchange among themselves information concerning, at least:
- a the circumstances that led to the current system state of its transmission system, to the extent that they are known; and
 - b the potential problems making assistance for active power necessary.
- 4 A TSO in emergency, blackout or restoration state shall provide, in due time, information about the system state of its transmission system and, where available, additional information explaining the situation on the transmission system:
- a to the NEMO(s), who shall make this information available to their market participants, as provided for in Article 38;
 - b to its relevant regulatory authority in accordance with Article 37 of Directive 2009/72/EC, or when explicitly provided for in national law, to the entities referred to in Article 4(3); and
 - c to any other relevant party, as appropriate.
- 5 TSOs shall inform each affected party about the test plan developed pursuant to Article 43(2) and (3).

Article 41

Communication systems

- 1 Each DSO and SGU identified in accordance with points (b) and (c) of Article 23(4), each restoration service provider and each TSO shall have a voice communication system in place with sufficient equipment redundancy and backup power supply sources to allow the exchange of the information needed for the restoration plan for at least 24 hours, in case of

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) 2017/2196. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

total absence of external electrical energy supply or in case of failure of any individual voice communication system equipment. Member States may require a minimum backup power capacity higher than 24 hours.

2 Each TSO shall establish, in consultation with the DSOs and SGUs identified in accordance with Article 23(4) and with restoration service providers, the technical requirements to be fulfilled by their voice communication systems as well as by the TSO's own voice communication system in order to allow their interoperability and to guarantee that the TSO's incoming call can be identified by the other party and answered immediately.

3 Each TSO shall establish, in consultation with its neighbouring TSOs and the other TSOs of its synchronous area, the technical requirements to be fulfilled by their voice communication systems as well as by the TSO's own voice communication system in order to allow their interoperability and to guarantee that the TSO's incoming call can be identified by the other party and answered immediately.

4 Notwithstanding paragraph 1, those SGUs identified in accordance with Article 23(4) that are type B power generating modules and those restoration service providers that are type A or B power generating modules, shall have the possibility to have only a data communication system, instead of a voice communication system, if agreed upon with the TSO. This data communication system shall fulfil the requirements laid down in paragraphs 1 and 2.

5 Member States may require that, in addition to the voice communication system, a complementary communication system be used to support the restoration plan; in that case, the complementary communication system shall fulfil the requirements laid down in paragraph 1.

Article 42

Tools and facilities

1 Each TSO shall make available critical tools and facilities referred to in Article 24 of Regulation (EU) 2017/1485 for at least 24 hours in case of loss of primary power supply.

2 Each DSO and SGU identified pursuant to Article 23(4) as well as restoration service provider shall make available critical tools and facilities referred to in Article 24 of Regulation (EU) 2017/1485 and used in the restoration plan for at least 24 hours in case of loss of primary power supply, as defined by the TSO.

3 Each TSO shall have at least one geographically separate backup control room. The backup control room shall include at least the critical tools and facilities referred to in Article 24 of Regulation (EU) 2017/1485. Each TSO shall arrange a backup power supply for its backup control room for at least 24 hours in case of loss of primary power supply.

4 Each TSO shall prepare a transfer procedure for moving functions from the main control room to the backup control room as quickly as possible, and in any case in a maximum time of three hours. The procedure shall include the operation of the system during the transfer.

5 Substations identified as essential for the restoration plan procedures pursuant to Article 23(4) shall be operational in case of loss of primary power supply for at least 24 hours. For substations in the synchronous area Ireland and Latvia, the duration of operation in case of loss of primary power supply may be lower than 24 hours and shall be approved by the regulatory authority or other competent authority of the Member State, on proposal of the TSO.

Changes to legislation:

There are outstanding changes not yet made to Commission Regulation (EU) 2017/2196. Any changes that have already been made to the legislation appear in the content and are referenced with annotations.

[View outstanding changes](#)

Changes and effects yet to be applied to the whole legislation item and associated provisions

- Signature words omitted by [S.I. 2019/533 Sch. 2 para. 31](#)
- Art. 1(b) words omitted by [S.I. 2019/533 Sch. 2 para. 2](#)
- Art. 2(7A) inserted by [S.I. 2019/533 Sch. 2 para. 3\(5\)](#) (This amendment not applied to legislation.gov.uk. Sch. 2 para. 3(5) omitted (15.9.2020) by virtue of S.I. 2020/1016, regs. 1(2), 6(4)(a))
- Art. 3(1) inserted by [S.I. 2019/533 Sch. 2 para. 4\(2\)](#) (This amendment not applied to legislation.gov.uk. Sch. 2 para. 4(2) omitted (16.9.2020) by virtue of S.I. 2020/1006, reg. 3(3)(a))
- Art. 3(1) words substituted in earlier amending provision S.I. 2019/533, Sch. 2 para. 4(2) by [S.I. 2020/1016 reg. 6\(4\)\(b\)\(i\)](#)
- Art. 3(2) first existing paragraph renumbered as Art. 3(2) by [S.I. 2019/533 Sch. 2 para. 4\(3\)](#) (This amendment not applied to legislation.gov.uk. Amending words in Sch. 2 para. 4(3) substituted (16.9.2020) by S.I. 2020/1006, reg. 3(3)(b))
- Art. 3(2) words inserted by [S.I. 2019/533 Sch. 2 para. 4\(3\)\(a\)](#)
- Art. 3(2) words omitted by [S.I. 2019/533 Sch. 2 para. 4\(3\)\(b\)](#)
- Art. 3(2) words omitted by [S.I. 2019/533 Sch. 2 para. 4\(3\)\(c\)](#) (This amendment not applied to legislation.gov.uk. Sch. 2 para. 4(3)(c) substituted (16.9.2020) by S.I. 2020/1006, reg. 3(3)(c))
- Art. 3(2) words omitted by virtue of S.I. 2019/533, Sch. 2 para. 4(3)(c) (as substituted) by [S.I. 2020/1006 reg. 3\(3\)\(c\)](#)
- Art. 3(2) words omitted by virtue of S.I. 2019/533, Sch. 2 para. 4(3)(d) (as substituted) by [S.I. 2020/1006 reg. 3\(3\)\(c\)](#)
- Art. 3(2) words substituted by S.I. 2019/533, Sch. 2 para. 4(3)(ba) (as inserted) by [S.I. 2020/1016 reg. 6\(4\)\(b\)\(ii\)](#)
- Art. 3(3) second existing paragraph renumbered as Art. 3(3) by [S.I. 2019/533 Sch. 2 para. 4\(4\)](#) (This amendment not applied to legislation.gov.uk. Amending words in Sch. 2 para. 4(4) substituted (16.9.2020) by S.I. 2020/1006, reg. 3(3)(d)(i))
- Art. 3(4)(5) inserted by [S.I. 2019/533 Sch. 2 para. 4\(5\)](#) (This amendment not applied to legislation.gov.uk. Sch. 2 para. 4(2) omitted (16.9.2020) by virtue of S.I. 2020/1006, reg. 3(3)(e))
- Art. 3.3(14)(15) inserted by [S.I. 2019/533 Sch. 2 para. 4\(4\)](#)
- Art. 3.3(14) omitted in earlier amending provision S.I. 2019/533, Sch. 2 para. 4(4) by [S.I. 2020/1006 reg. 3\(3\)\(d\)\(ii\)](#)
- Art. 4(1)(h) word omitted by [S.I. 2019/533 Sch. 2 para. 5\(2\)\(b\)](#)
- Art. 4(2)(d) words omitted by [S.I. 2019/533 Sch. 2 para. 5\(3\)\(b\)](#)
- Art. 35(2)(a) omitted by [S.I. 2019/533 Sch. 2 para. 20\(2\)\(a\)](#)
- Art. 35(2)(e) words omitted by [S.I. 2019/533 Sch. 2 para. 20\(2\)\(b\)](#)
- Art. 35(5)(a) omitted by [S.I. 2019/533 Sch. 2 para. 20\(3\)\(a\)](#)
- Art. 35(5)(c) omitted by [S.I. 2019/533 Sch. 2 para. 20\(3\)\(a\)](#)
- Art. 35(5)(e) omitted by [S.I. 2019/533 Sch. 2 para. 20\(3\)\(b\)](#)
- Art. 36(3)(a) omitted by [S.I. 2019/533 Sch. 2 para. 21\(3\)\(a\)](#)
- Art. 36(3)(e) words omitted by [S.I. 2019/533 Sch. 2 para. 21\(3\)\(b\)](#)
- Art. 36(4)(c)(ii) omitted by [S.I. 2019/533 Sch. 2 para. 21\(4\)\(a\)](#)
- Art. 36(4)(d)(iii) omitted by [S.I. 2019/533 Sch. 2 para. 21\(4\)\(b\)](#)
- Art. 36(4)(e)(i) omitted by [S.I. 2019/533 Sch. 2 para. 21\(4\)\(c\)\(i\)](#)
- Art. 36(4)(v) words omitted by [S.I. 2019/533 Sch. 2 para. 21\(4\)\(c\)\(ii\)](#)
- Art. 38(2)(e) words substituted by [S.I. 2019/533 Sch. 2 para. 23\(2\)](#)
- Art. 38(3)(c) omitted by [S.I. 2019/533 Sch. 2 para. 23\(3\)](#)
- Art. 38(3)(g) omitted by [S.I. 2019/533 Sch. 2 para. 23\(3\)](#)

- Art. 38(3)(h) omitted by S.I. 2019/533 Sch. 2 para. 23(3)
- Art. 40(2)(a) omitted by S.I. 2019/533 Sch. 2 para. 25(2)
- Art. 40(4)(a) omitted by S.I. 2019/533 Sch. 2 para. 25(3)(a)
- Art. 40(4)(b) substituted by S.I. 2019/533 Sch. 2 para. 25(3)(b)
- Art. 51(1)(d) omitted by S.I. 2019/533 Sch. 2 para. 27