

Commission Regulation (EU) 2016/1388 of 17 August 2016 establishing
a Network Code on Demand Connection (Text with EEA relevance)

TITLE II

**CONNECTION OF TRANSMISSION-CONNECTED
DEMAND FACILITIES, TRANSMISSION-CONNECTED
DISTRIBUTION FACILITIES AND DISTRIBUTION SYSTEMS**

CHAPTER I

General requirements

Article 13

General voltage requirements

1 Transmission-connected demand facilities, transmission-connected distribution facilities and transmission-connected distribution systems shall be capable of remaining connected to the network and operating at the voltage ranges and time periods specified in Annex II.

2 Equipment of distribution systems connected at the same voltage as the voltage of the connection point to the transmission system shall be capable of remaining connected to the network and operating at the voltage ranges and time periods specified in Annex II.

3 The voltage range at the connection point shall be expressed by the voltage at the connection point related to reference 1 per unit (pu) voltage. For the 400 kV grid voltage level (or alternatively commonly referred to as 380 kV level), the reference 1 pu value is 400 kV, for other grid voltage levels the reference 1 pu voltage may differ for each system operator in the same synchronous area.

4 Where the voltage base for pu values is from 300 kV to 400 kV included, the relevant TSO in Spain may require transmission-connected demand facilities, transmission-connected distribution facilities and transmission-connected distribution systems to remain connected in the voltage range between 1,05 pu-1,0875 pu for an unlimited period.

5 Where the voltage base for pu values is 400 kV, the relevant TSOs in the Baltic synchronous area may require transmission-connected demand facilities, transmission-connected distribution facilities and transmission-connected distribution systems to remain connected to the 400 kV network in the voltage ranges and for time periods that apply to the Continental Europe synchronous area.

6 If required by the relevant TSO, a transmission-connected demand facility, a transmission-connected distribution facility, or a transmission-connected distribution system shall be capable of automatic disconnection at specified voltages. The terms and settings for automatic disconnection shall be agreed between the relevant TSO and the transmission-connected demand facility owner or the DSO.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) 2016/1388. 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](#)

7 With regard to transmission-connected distribution systems with a voltage below 110 kV at the connection point, the relevant TSO shall specify the voltage range at the connection point that the distribution systems connected to that transmission system shall be designed to withstand. DSOs shall design the capability of their equipment, connected at the same voltage as the voltage of the connection point to the transmission system, to comply with this voltage range.

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Changes and effects yet to be applied to :

- Regulation revoked by [S.I. 2019/533 reg. 5\(b\)](#) (This amendment not applied to legislation.gov.uk. Reg. 5 revoked on the day before IP completion day by S.I. 2019/1104, regs. 1(2), 2)
- Art. 13(4)(5) omitted by [S.I. 2020/1006 Sch. 2 para. 9](#)

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

- Title 6 omitted by [S.I. 2020/1006 Sch. 2 para. 22](#)
- Signature words omitted by [S.I. 2020/1006 Sch. 2 para. 24](#)
- Annex 1 word substituted by [S.I. 2020/1006 Sch. 2 para. 25\(c\)\(i\)](#)
- Annex 1 word substituted by [S.I. 2020/1006 Sch. 2 para. 25\(c\)\(ii\)](#)
- Annex 1 word substituted by [S.I. 2020/1006 Sch. 2 para. 25\(c\)\(iii\)](#)
- Annex 1 word substituted by [S.I. 2020/1006 Sch. 2 para. 25\(c\)\(iv\)](#)
- Annex 1 word substituted by [S.I. 2020/1006 Sch. 2 para. 25\(c\)\(v\)](#)
- Annex 1 word substituted by [S.I. 2020/1006 Sch. 2 para. 25\(c\)\(vi\)](#)
- Annex 1 word substituted by [S.I. 2020/1006 Sch. 2 para. 25\(c\)\(vii\)](#)
- Annex 1 words omitted by [S.I. 2020/1006 Sch. 2 para. 25\(a\)](#)
- Annex 1 words omitted by [S.I. 2020/1006 Sch. 2 para. 25\(b\)](#)
- Annex 1 words omitted by [S.I. 2020/1006 Sch. 2 para. 25\(d\)](#)
- Annex 1 words omitted by [S.I. 2020/1006 Sch. 2 para. 25\(e\)](#)
- Annex 2 word substituted by [S.I. 2020/1006 Sch. 2 para. 26\(a\)\(iii\)\(aa\)](#)
- Annex 2 word substituted by [S.I. 2020/1006 Sch. 2 para. 26\(a\)\(iii\)\(bb\)](#)
- Annex 2 word substituted by [S.I. 2020/1006 Sch. 2 para. 26\(b\)\(iii\)\(aa\)](#)
- Annex 2 word substituted by [S.I. 2020/1006 Sch. 2 para. 26\(b\)\(iii\)\(bb\)](#)
- Annex 2 word substituted by [S.I. 2020/1006 Sch. 2 para. 26\(b\)\(iii\)\(cc\)](#)
- Annex 2 words omitted by [S.I. 2020/1006 Sch. 2 para. 26\(a\)\(i\)](#)
- Annex 2 words omitted by [S.I. 2020/1006 Sch. 2 para. 26\(a\)\(ii\)](#)
- Annex 2 words omitted by [S.I. 2020/1006 Sch. 2 para. 26\(a\)\(iv\)](#)
- Annex 2 words omitted by [S.I. 2020/1006 Sch. 2 para. 26\(a\)\(v\)](#)
- Annex 2 words omitted by [S.I. 2020/1006 Sch. 2 para. 26\(b\)\(i\)](#)
- Annex 2 words omitted by [S.I. 2020/1006 Sch. 2 para. 26\(b\)\(ii\)](#)
- Annex 2 words omitted by [S.I. 2020/1006 Sch. 2 para. 26\(b\)\(iv\)](#)
- Annex 2 words omitted by [S.I. 2020/1006 Sch. 2 para. 26\(b\)\(v\)](#)
- Art. 2(5) words substituted by [S.I. 2020/1006 Sch. 2 para. 1\(4\)\(b\)\(i\)](#)
- Art. 2(5) words substituted by [S.I. 2020/1006 Sch. 2 para. 1\(4\)\(b\)\(ii\)](#)
- Art. 3(2)(a) words substituted by [S.I. 2020/1006 Sch. 2 para. 2\(3\)](#)
- Art. 4(1)(a)(iii) word omitted by [S.I. 2020/1006 Sch. 2 para. 3\(2\)\(b\)\(i\)](#)
- Art. 4(1)(a)(iii) words omitted by [S.I. 2020/1006 Sch. 2 para. 3\(2\)\(b\)\(ii\)](#)
- Art. 4(1)(a)(ii) word omitted by [S.I. 2020/1006 Sch. 2 para. 3\(2\)\(a\)\(i\)](#)
- Art. 4(1)(a)(ii) words omitted by [S.I. 2020/1006 Sch. 2 para. 3\(2\)\(a\)\(ii\)](#)
- Art. 4(1)(b) words substituted by [S.I. 2020/1006 Sch. 2 para. 3\(2\)\(c\)](#)
- Art. 4(2)(b) words substituted by [S.I. 2020/1006 Sch. 2 para. 3\(3\)\(a\)\(i\)](#)
- Art. 4(2)(b) words substituted by [S.I. 2020/1006 Sch. 2 para. 3\(3\)\(a\)\(ii\)](#)
- Art. 4(2)(b) words substituted by [S.I. 2020/1006 Sch. 2 para. 3\(3\)\(a\)\(iii\)](#)
- Art. 4(4)(b) word omitted by [S.I. 2020/1006 Sch. 2 para. 3\(5\)\(a\)](#)
- Art. 4(4)(b) words omitted by [S.I. 2020/1006 Sch. 2 para. 3\(5\)\(b\)](#)
- Art. 6(3)(d) words omitted by [S.I. 2020/1006 Sch. 2 para. 4\(4\)\(b\)](#)
- Art. 6(3)(f) word substituted by [S.I. 2020/1006 Sch. 2 para. 4\(4\)\(c\)](#)

- Art. 19(1)(c)(i) word substituted by [S.I. 2020/1006 Sch. 2 para. 11](#)
- Art. 29(2)(f) word substituted by [S.I. 2020/1006 Sch. 2 para. 12\(b\)](#)
- Art. 29(2)(g) word substituted by [S.I. 2020/1006 Sch. 2 para. 12\(c\)\(i\)](#)
- Art. 29(2)(g) word substituted by [S.I. 2020/1006 Sch. 2 para. 12\(c\)\(ii\)](#)
- Art. 42(3)(a) words substituted by [S.I. 2020/1006 Sch. 2 para. 13](#)
- Art. 48(3)(b) words omitted by [S.I. 2020/1006 Sch. 2 para. 14\(2\)](#)
- Art. 49(2)(c) words substituted by [S.I. 2020/1006 Sch. 2 para. 15](#)