
All CE TSOs' proposal for the limits on the amount of exchange and sharing of RR between synchronous areas in accordance with Article 178(1) and Article 179(1) of the Commission Regulation (EU) 2017/1485 of 2 August 2017 establishing a guideline on electricity transmission system operation

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All Transmission System Operators of synchronous area Continental Europe are taking into account the following;

8

Whereas

- 9 (1) This document is a common proposal developed by all Transmission System Operators of
10 synchronous area CE (hereafter referred to as “TSOs”) regarding the development of the limits on
11 the amount of exchange and sharing of RR between synchronous areas involving Continental Europe
12 (hereafter referred to as “RR exchange and sharing limits between synchronous areas”) in accordance
13 with Article 178(1) and 179(1) of Commission Regulation (EU) 2017/1485 of 2 August 2017
14 establishing a guideline on electricity transmission system operation (hereafter referred to as “SO
15 GL”). This proposal is hereafter referred to as “RR limits on exchange and sharing limits between
16 synchronous areas proposal”.
- 17
- 18 (2) The RR exchange and sharing limits between synchronous areas proposal takes into account the
19 general principles and goals set in the SO GL/Regulation as well as Regulation (EC) No 714/2009 of
20 the European Parliament and of the Council of 13 July 2009 on conditions for access to the network
21 for cross-border exchanges in electricity (hereafter referred to as “Regulation (EC) No 714/2009”).
22 The goal of the SO GL is the safeguarding of operational security, frequency quality and the efficient
23 use of the interconnected system and resources. For this purpose it sets requirements for limits on the
24 amount of exchange as well as sharing of RR between synchronous areas.
- 25
- 26 (3) The RR limits on exchange and sharing between synchronous areas proposal takes into account the
27 load-frequency control structure of each synchronous area in accordance with Article 139 of SO GL.
28 The operation of load-frequency control processes is based on operational areas, where every area
29 has their individual responsibilities with respect to the LFC structure. The superior structure is the
30 synchronous area in which frequency is the same for the whole area.
- 31
- 32 (4) Article 178(1) and 179(1) of SO GL require all TSOs of each synchronous area to define in the
33 synchronous area operational agreement a method to determine limits for the exchange and sharing
34 of RR with other synchronous areas. In particular:
- 35 • In accordance with Article 178(1), the method to determine limits for the exchange of RR shall
36 take into account the operational impact between the synchronous areas; the stability of the RRP
37 of the synchronous area; the ability of the synchronous area to comply with the frequency quality
38 target parameters defined in accordance with Article 127 and the FRCE target parameters defined
39 in accordance with Article 128 of SO GL; and the operational security.
 - 40 • In accordance with Article 179(1), the method for determining the limits for sharing of RR shall
41 take into account: the operational impact between the synchronous areas; the stability of the RRP
42 of the synchronous area; the maximum reduction of RR that can be taken into account in the RR
43 dimensioning rules in accordance with Article 160 as a result of the RR sharing; the ability of
44 the TSOs of the synchronous area to comply with the frequency quality target parameters defined
45 in accordance with Article 127 and the ability of the LFC blocks to comply with the FRCE target
46 parameters defined in accordance with Article 128; and the operational security.
- 47
- 48 (5) The scope of the RR limits on exchange and sharing between synchronous areas proposal is to
49 establish the limits on the amount of exchange and sharing of RR between synchronous areas in order
50 to respect operational security.
- 51

52 (6) According to Article 6(2)(d)(x) of the SO GL, it requires all TSOs to develop methodologies,
53 conditions and values included in the synchronous area operational agreement in Article 118
54 concerning the definition of limits on the amount of exchange of RR between synchronous areas in
55 accordance with Article 178(1) SO GL and limits on the amount of sharing FRR between
56 synchronous areas in accordance with Article 179(1) SO GL. The hereafter presented exchange and
57 sharing between synchronous areas proposal shall define the requested methodologies, conditions
58 and values.

60 (7) The RR limits on exchange and sharing between synchronous areas proposal responds to the objective
61 of SO GL to ensure the conditions for maintaining a frequency quality level of all synchronous areas
62 throughout the Union, by permitting exchange and sharing between synchronous areas under certain
63 limits in order to avoid detrimental effects on each synchronous area.

65 (8) In conclusion, the RR limits on exchange and sharing between synchronous areas proposal
66 contributes to the general objectives of the SO GL and to the benefit of all market participants and
67 electricity end consumers.

69 SUBMIT THE FOLLOWING RR LIMITS ON EXCHANGE AND SHARING BETWEEN
70 SYNCHRONOUS AREAS PROPOSAL TO ALL REGULATORY AUTHORITIES:

71 **Article 1** 72 **Subject matter and scope**

73 The RR limits on exchange and sharing between synchronous areas as determined in this proposal shall be
74 considered as the common proposal of all TSOs of CE, in accordance with Article 178 and 179 of the SO
75 GL. This proposal does not apply to exchange or sharing of RR within the synchronous area CE.

76 **Article 2** 77 **Definitions and interpretation**

78 1. For the purposes of the RR limits on exchange and sharing between synchronous areas proposal, terms
79 used in this document shall have the meaning of the definitions included in Article 3 of the SO_GL,
80 Article 2 of Regulation (EC) 714/2009, Article 2 of Directive 2009/72/EC and Article 2 of Commission
81 Regulation (EU) 543/2013.

83 2. In this RR limits on exchange and sharing between synchronous areas proposal, unless the context
84 requires otherwise:

- 85 a) the singular indicates the plural and vice versa;
- 86 b) the table of contents and headings are inserted for convenience only and do not affect the
87 interpretation of this RR limits on exchange and sharing between synchronous areas proposal; and
- 88 c) any reference to legislation, regulations, directive, order, instrument, code or any other enactment
89 shall include any modification, extension or re-enactment of it then in force.

90 **Article 3** 91 **Limits on the amount of exchange and sharing of RR between synchronous areas**

92 1. A reserve receiving TSO of a LFC block involved in the exchange of RR between synchronous areas,
93 where synchronous area CE is the reserve receiving synchronous area, shall ensure that at least 50 % of
94 its total RR capacity resulting from the RR dimensioning rules according to the Article 160 of the SO GL

- 95 and before any reduction due to the sharing of RR according to Article 160(5) of the SO GL, remains
96 located within its LFC block.
97
- 98 2. Each TSO of a LFC block shall have the right to perform sharing of RR with a LFC block in an adjacent
99 synchronous area. In particular:
- 100 a) in case the synchronous area CE is the reserve receiving synchronous area, the sharing of RR is
101 performed within the limits set by the RR dimensioning rules in Article 160(4,5) and in Article 161
102 of the SO GL.
- 103 b) in case the synchronous area of CE is the reserve connecting synchronous area, no limits shall apply.

104 **Article 4**

105 **Publication and implementation of the RR limits on exchange and sharing between** 106 **synchronous areas proposal**

- 107 1. The TSOs shall publish the RR limits on exchange and sharing between synchronous areas proposal
108 without undue delay after all NRAs have approved the proposal or a decision has been taken by the
109 Agency for the Cooperation of Energy Regulators in accordance with Article 6(8) of the SO GL.
110
- 111 2. The TSOs shall implement the RR limits on exchange and sharing between synchronous areas proposal
112 provided one month after the regulatory authorities have approved the proposal in accordance with
113 Article 6(3) SO GL or a decision has been taken by the Agency in accordance with Article 6(8) SO GL.

114 **Article 5** 115 **Language**

116 The reference language for this RR limits on exchange and sharing between synchronous areas proposal shall
117 be English. For the avoidance of doubt, where TSOs need to translate this RR limits on exchange and sharing
118 between synchronous areas proposal into their national language(s), in the event of inconsistencies between
119 the English version published by TSOs in accordance with Article 8 of the SO GL Regulation and any version
120 in another language, the relevant TSOs shall, in accordance with national legislation, provide the relevant
121 national regulatory authorities with an updated translation of the RR limits on exchange and sharing between
122 synchronous areas proposal.
123