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

- 50 (5) The scope of the RR limits on exchange and sharing between synchronous areas proposal is to  
51 establish the limits on the amount of exchange and sharing of RR between synchronous areas in  
52 order to respect operational security.  
53
- 54 (6) According to Article 6(2)(d)(x) of the SO GL, it requires all TSOs to develop methodologies,  
55 conditions and values included in the synchronous area operational agreement in Article 118  
56 concerning the definition of limits on the amount of exchange of RR between synchronous areas in  
57 accordance with Article 178(1) SO GL and limits on the amount of sharing FRR between  
58 synchronous areas in accordance with Article 179(1) SO GL. The hereafter presented exchange and  
59 sharing between synchronous areas proposal shall define the requested methodologies, conditions  
60 and values.  
61
- 62 (7) The RR limits on exchange and sharing between synchronous areas proposal responds to the  
63 objective of SO GL to ensure the conditions for maintaining a frequency quality level of all  
64 synchronous areas throughout the Union, by permitting exchange and sharing between synchronous  
65 areas under certain limits in order to avoid detrimental effects on each synchronous area.  
66
- 67 (8) In conclusion, the RR limits on exchange and sharing between synchronous areas proposal  
68 contributes to the general objectives of the SO GL and to the benefit of all market participants and  
69 electricity end consumers.  
70

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

73 **Article 1**  
74 **Subject matter and scope**

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

78 **Article 2**  
79 **Definitions and interpretation**

- 80 1. For the purposes of the RR limits on exchange and sharing between synchronous areas proposal, terms  
81 used in this document shall have the meaning of the definitions included in Article 3 of the SO\_GL,  
82 Article 2 of Regulation (EC) 714/2009, Article 2 of Directive 2009/72/EC and Article 2 of Commission  
83 Regulation (EU) 543/2013.  
84
- 85 2. In this RR limits on exchange and sharing between synchronous areas proposal, unless the context  
86 requires otherwise:  
87 a) the singular indicates the plural and vice versa;  
88 b) the table of contents and headings are inserted for convenience only and do not affect the  
89 interpretation of this RR limits on exchange and sharing between synchronous areas proposal; and  
90 c) any reference to legislation, regulations, directive, order, instrument, code or any other enactment  
91 shall include any modification, extension or re-enactment of it then in force.

92 **Article 3**  
93 **Limits on the amount of exchange and sharing of RR between synchronous areas**

- 94 1. A reserve receiving TSO of a LFC block involved in the exchange of RR between synchronous areas,  
95 where synchronous area CE is the reserve receiving synchronous area, shall ensure that at least 50 % of  
96 its total RR capacity resulting from the RR dimensioning rules according to the Article 160 of the SO  
97 GL and before any reduction due to the sharing of RR according to Article 160(5) of the SO GL,  
98 remains located within its LFC block.  
99
- 100 2. Each TSO of a LFC block shall have the right to perform sharing of RR with a LFC block in an  
101 adjacent synchronous area. In particular:
- 102 a) in case the synchronous area CE is the reserve receiving synchronous area, the sharing of RR is  
103 performed within the limits set by the RR dimensioning rules in Article 160(4,5) and in Article 161  
104 of the SO GL.
- 105 b) in case the synchronous area of CE is the reserve connecting synchronous area, no limits shall  
106 apply.

107 **Article 4**  
108 **Publication and implementation of the RR limits on exchange and sharing between**  
109 **synchronous areas proposal**

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

117 **Article 5**  
118 **Language**

119 The reference language for this RR limits on exchange and sharing between synchronous areas proposal  
120 shall be English. For the avoidance of doubt, where TSOs need to translate this RR limits on exchange and  
121 sharing between synchronous areas proposal into their national language(s), in the event of inconsistencies  
122 between the English version published by TSOs in accordance with Article 8 of the SO GL Regulation and  
123 any version in another language, the relevant TSOs shall, in accordance with national legislation, provide  
124 the relevant national regulatory authorities with an updated translation of the RR limits on exchange and  
125 sharing between synchronous areas proposal.  
126