
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

Explanatory note for the limits on the amount of exchange and sharing of RR between synchronous areas

08.08.2018

Explanatory note

1

2 **Regarding Article 3:**

3 The exchange and sharing of RR between synchronous areas is a process TSOs do not foresee to be
4 implemented at least before the implementation of the corresponding balancing platform performing cross-
5 border activation of RR according to EB GL. In this sense TSOs, at a first stage are not able to perform
6 security assessment of such exchange or sharing. TSOs' intention is not to block any kind of initiative in
7 future, this is why the only rules considered for exchange or sharing of RR where receiving synchronous
8 area is synchronous area CE are the same rules applied to LFC blocks within the synchronous area CE
9 itself: i.e. at least 50% of the RR capacity resulting from the RR dimensioning rules shall remain located in
10 the LFC block in case of exchange.

11 When synchronous area CE is the reserve connecting synchronous area, no limits are foreseen at this stage.

12 This proposal relies on the fact that if such an exchange or sharing of RR is going to be implemented in the
13 future, specific security analysis studies will be needed in any case and respective requirements and a
14 corresponding notification process among TSOs as well as procedures for reservation of cross-border
15 transmission capacities will have to be elaborated. Particularly, the ability of the synchronous area to
16 comply with the frequency quality target parameters defined and the FRCE target parameters defined in
17 accordance to articles 178 and 179 of SO GL shall be considered. In this context, additional requirements in
18 terms of limited amount of RR might be necessary leading to amendments of this proposal. In such a case,
19 TSOs' concerns would be as anticipated as possible with national regulatory authorities.