



EXPLANATORY NOTE RELATED TO THE PUBLIC CONSULTATION OF THE TERMS AND CONDITIONS FOR RESTORATION SERVICE PROVIDERS

14/10/2019

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1. Practical information

This note aims to contextualize the documents to be submitted by ELIA as required by Regulation EU 2017/2196 establishing a network code on electricity emergency and restoration (NC ER).

At the end of the public consultation, all comments will be made public on Elia's website, with an explanation of how Elia responded to these remarks or the reasons why they were not considered. Elia will respect the potential request for confidentiality and/or anonymity of respondents.

Comments concerning items outside the scope of the documents will not be considered by Elia.

The documents submitted for consultation can be consulted on the Elia website.

Stakeholders have one month to comment. Reactions must be sent no later than Thursday 14/11/2019 using the online form available on the Elia website.

Questions relative to the consultation can be sent to the following email address: consultations@elia.be.

2. Introduction

Regulation (EU) 2017/2196 establishes requirements for the management, coordination and operation of the network in the European Union in a state of emergency, blackout or restoration.

In accordance with this regulation, Elia makes available the Terms and Conditions for Restoration Service Providers on a contractual basis.

A first version of the Terms and Conditions to act as a Restoration Service Providers was submitted to the CREG for approval on December 18th, 2018¹. The CREG rejected this version in its decision [\(B\)1928](#). The CREG made comments on this first proposal of the T&C RSP and asked Elia to re-submit an adapted proposal, after public consultation, according to those comments. The updated version is subject to this consultation.

This explanatory note gives a brief description of the main modifications brought by Elia and justifies the way these principles have been developed.

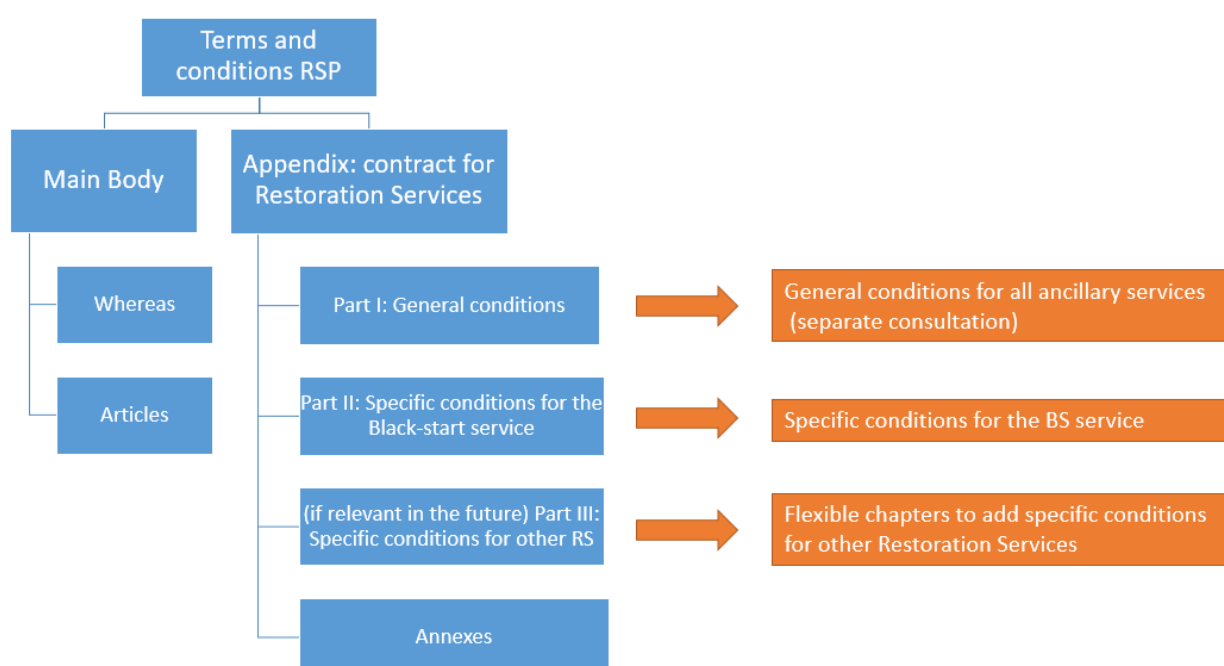
¹ After public consultation for which information can be found on the [Elia website](#)

3. Terms and conditions for Restoration Service Providers explanation

3.1. Structure of the T&C RSP

The structure of the T&C RSP is modified according to CREG's comments. This new version of the T&C RSP is composed of the following parts:

- General Terms and Conditions containing the articles that are applicable for all ancillary services
- Specific Terms and Conditions for the Black-start contract containing the specificities of the Black-start service
- Annexes



3.2. Participation to the Restoration services

3.2.1. Compliancy with Art. 236 § 2 of the Federal Grid Code

In application of Art. 236 § 2 of the Federal Grid Code, the RSP contract defines that the RSP can be the Grid User of a certain Restoration Facility or another party designated by the Grid User. Besides that, a specific template is foreseen in Annex 6 for the designation of the RSP by the Grid user.

Currently assets participating to the black-start service as the PGM(s) of a Restoration Facility have to be located behind one connection point to the Elia Grid. As described in the design note consulted [in 2018](#) Elia intends to open, in the future design evolutions of the restoration services, the participation to the restoration services also to technical units located in Distribution Grid conform Art. 236§2 of the Federal Grid Code.

3.2.2. CIPU contract

The signature of a CIPU contract is required to participate to the black-start service because the outage planning, provided to Elia through CIPU procedures, is necessary for the availability control of each PGM participating to the black-start service. Although the signature of the CIPU contract is a pre-condition for the participation to the black-start service, any power plant can sign a CIPU contract with Elia in order to fulfill that condition for the participation to the black-start service. Therefore, the black-start service **is not limited to** units with a nominal power larger than 25MW.

Moreover, according to the Federal Grid Code, the RSP can be the Grid User or another party designated by him and is not limited to the CIPU Holder. The RSP contract foresees (in annex 6) situations where the RSP is the GU or another party (potentially different from the CIPU Holder). In case the Grid User designates an RSP different from the CIPU Holder/BRP the Grid User commits to transfer all the relevant information to those parties regarding the participation of its technical unit to the black-start service allowing those parties to fulfill their own obligations.

3.3. Test plan

The Test Plan is elaborated by ELIA, taking into account the prescriptions of Commission Regulation (EU) 2017/2196 of 24 November 2017 establishing a network code on electricity emergency and restoration (NC ER). According to the NC ER, the test plan has to describe a.o. the modalities of the tests for the black-start service.

The test plan contains, among others, the modalities related to the organization and frequency of the tests for the restoration services. Hence, to avoid any overlap and conflict or competence between the T&C RSP and the Test Plan, the RSP contract refers to the test plan for the description of the tests. This Test Plan is consulted in parallel with the T&C RSP and will be submitted to the Minister for approval conform art. 259 of the Federal Grid Code and conform art. 4 (3) of the NC ER.

The applicable Test Plan will be annexed to the RSP contract at the moment of the signature.

3.4. Possibility of aggregation and geographical repartition of black-start units

According to Art.4.4 of the NC ER, the following elements are defined in the RSP contract:

- The characteristics of the service to be provided;
- The geographical repartition of the black-start units according to the restoration plan in Art II.2.5
- The possibility of and conditions to aggregate PGMs to deliver the black-start service is in Art II.3.2.

3.5. Introduction of Restoration facilities with a limited Energy Reservoir

The notion of Limited Energy Reservoir Restoration Facility has been introduced to distinguish the Restoration Facilities that have constraints on the energy they can supply during a black-out (due to fuel supply or energy content) and the Restoration Facilities without energy limits.

For these specific Limited Energy Reservoir Restoration Facilities, an energy threshold has to be determined together with Elia according to the role of the Restoration Facility in the

restoration plan. A non-exhaustive list of criteria to define this threshold has been provided in the contract:

- The **MW capability** of the Restoration Facility
- The **distance between the Restoration Facility and the power plant** that needs to be re-energized in the restoration plan considering
 - The necessary power to re-energize the auxiliaries of the target power plant
 - The losses on the network elements
 - The minimum time necessary for the start-up of the to be re-energized power plant
 - The obligation to be able to start three times during the application of the restoration plan as provided in Art II.3.3
- The **type of restoration** (zonal/380kV or for an adjacent zone)

This list is non-exhaustive as the Energy Threshold will be defined by Elia after discussion with the RSP and taking into account the above mentioned criteria, any other relevant technical parameters as well as the possible scenarios in the restoration plan.

3.6. Availability check

The availability check has been adapted according to CREG's comments and will reflect the availability of Restoration Facilities providing the black-start service based on the number of quarter-hours of availability on a day instead of the state of availability on a specific moment of the day. Note that this was also foreseen as an evolution towards the new design.

3.7. Remuneration of the black-start tests

As requested by the CREG, the remuneration of the tests will be part of the offer of the RSP but will form a distinct component.