CRU DECISION ON THE

All TSOs’ proposal for a

Common Grid Model Methodology (CGMM) v3

(Articles 67(1) and 70 (1) of the System Operation Guideline)
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1 Introduction

1.1. Commission for Regulation of Utilities

The Commission for Regulation of Utilities (CRU) is Ireland’s independent energy and water regulator. The CRU’s mission is to regulate water, energy and energy safety in the public interest. Further information on the CRU’s role and relevant legislation can be found in [here](#).

2 Background of proposal and legal context

This document provides detail on the decision of the Commission for Utility Regulation (CRU), on the all TSOs’ proposal for a Common Grid Model Methodology in accordance with Articles 67(1) and 70(1) of Commission Regulation (EU) 2017/1485 of 02 August 2017 establishing a guideline on electricity transmission system operation (System Operation Guideline or SOGL).

The proposal was submitted on 12th March 2018 by the Irish Transmission System Operator (TSO) EirGrid, in line with Articles 67(1) and Article 70(1) of the SOGL and shall be subject to all National Regulatory Authorities (NRAs) approval, in line with Article 6(2) (b).

As per Article 67(1) of the SOGL, all TSOs shall jointly develop a proposal for the methodology for building the year-ahead common grid models from the individual grid models established in accordance with Article 66(1) and for saving them. Also, as per Article 70(1) of the SOGL, all TSOs shall jointly develop a proposal for the methodology for building the day-ahead and intraday common grid models from the individual grid models and for saving them. It was decided and agreed to cover both required proposals mentioned in this paragraph within one single methodology, i.e. the CGMMv3.

As per Article 67(1) of the SOGL, the CGMMv3 shall take into account, and complement where necessary, the operational conditions of the common grid model methodology developed in accordance with Article 17 of Regulation (EU) 2015/1222 Capacity Allocation and Congestion Management (CACM), and Article 18 of Regulation (EU) 2016/1719 Forward Capacity Allocation (FCA) as regards the following elements:

(a) deadlines for gathering the year-ahead individual grid models, for merging them into a common grid model and for saving the individual and common grid models;

(b) quality control of the individual and common grid models to be implemented in order to ensure their completeness and consistency; and
(c) correction and improvement of individual and common grid models, implementing at least the quality controls referred to in point (b).

Also, as per Article 70(1), the CGMMv3 shall take into account, and complement where necessary, the operational conditions of the common grid model methodology developed in accordance with Article 17 of Regulation (EU) 2015/1222 (CACM), as regards the following elements:

(a) definition of timestamps;

(b) deadlines for gathering the individual grid models, for merging them into a common grid model and for saving individual and common grid models. The deadlines shall be compatible with the regional processes established for preparing and activating remedial actions;

(c) quality control of individual grid models and the common grid model to be implemented to ensure their completeness and consistency;

(d) correction and improvement of individual and common grid models, implementing at least the quality controls referred to in point (c); and

(e) handling additional information related to operational arrangements, such as protection set points or system protection schemes, single line diagrams and configuration of substations in order to manage operational security.

3 All TSOs (or ENTSO-E) proposal

3.1 Consultation phase

All TSOs (or ENTSOE) conducted a public consultation on their proposed Common Grid Model Methodology from 6 November 2017 to 6 December 2017 in order to fulfil the requirements from article 11 of the SOGL and to invite feedback from stakeholders on the proposal.

3.2 Proposal by all TSOs

The Common Grid Model Methodology (CGMM) v3, as submitted on 12 March by EirGrid, constitutes the all TSOs’ proposal of a common methodology and outlines the data set agreed between all TSOs to describe the main characteristic of the power system (generation, loads and

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1 The ENTSO-E (All TSOs) CGMMv3 can be found [here](#).
grid topology) and the rules for changing these characteristics during the capacity calculation processes.

The CGMM developed under the SOGL constitutes the third version of the model. Version 1 relates to Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a guideline on capacity allocation and congestion management (CACM) and version 2 relates to Commission Regulation (EU) 2016/1719 of 26 September 2016 establishing a guideline on forward capacity allocation (FCA).

The main differences between the three methodologies relate to the timelines involved for the individual grid models. These are mainly detailed in Article 3 “Scenarios” and Article 4 “Individual Grid Models” of the various CGMMs.

4 CRU Regulatory Authority position and Approval

The CRU agrees with the all NRA decision to approve the CGMMv3. NRAs closely cooperated and reviewed the proposal development, responses to the TSO consultation and the final [proposed CGMMv3. Following this agreement was reached among the NRAs to approve the proposed CGMMv3. The methodology is considered to be compliant with the requirements of the Regulation 2017/1485 (SOGL)

Next Steps

Following national decisions by All Regulatory Authorities, All TSOs will be required to publish the CGMMv3 proposal as approved on the internet in line with Article 8 of Regulation 2017/1485 (SOGL), and must meet the implementation deadlines required by Article 24 of the CGMMv3 proposal.

If you have any queries regarding the information contained within this paper, please contact mcloonan@cru.ie