ENTSO-E : Emergency & Restoration Network Code

Amendments proposed by EURELECTRIC regarding the Market Interactions

ENTSO-E public workshop, Brussels - 08/01/2015

Description of Market Suspension Triggers

Approved by NRA and harmonised at the level of the synchronous area

One or several of following parameters can cause a Market Suspension:

- **a percentage of Demand Disconnection in the LFC area of the TSO, this percentage shall be related to the amount of load shedded in the first step of the Automatic Low Frequency Control Scheme according to Art.13 ;**
- **a percentage of generation disconnection in the LFC area of the TSO;**
- **a significant part of the LFC area in desynchronised operation with the rest of the LFC area of the TSO;**
- **a significant decrease of Cross Zonal capacities (i.e. going below the sum of the monthly and yearly allocations); or**
- **a percentage of Balancing Service Providers and/or Balance Responsible Parties not able to perform their market activities for reason(s) out of their control.**

For all mentioned triggers, a waiting period of time is set to 1 hour to exclude all events lasting for less than 1 hour

Description of Market Restoration Triggers

Approved by NRA and harmonised at the level of the synchronous area

All following parameters have to be present for a Market Restoration :

- **a percentage of Demand Disconnection in the LFC area of the TSO that shall be lower than the corresponding Market Activities Suspension Trigger under paragraph 3 of this article**
- **a percentage of generation disconnection in the LFC area of the TSO that shall be lower than the corresponding Market Activities Suspension Trigger under paragraph 3 of this article;**
- **a significant part of the LFC area in desynchronised operation with the rest of the synchronous area of the TSO that shall be lower than the corresponding Market Activities Suspension Trigger under paragraph 3 of this article;**
- **a significant decrease of Cross Zonal capacities that shall be lower than the corresponding Market Activities Suspension Trigger under paragraph 3 of this article; and**
- **a percentage of Balancing Service Providers and/or Balance Responsible Parties not able to perform their market activities for reason(s) out of their control that shall be lower than the corresponding Market Activities Suspension Trigger under paragraph 3 of this article.**

Communication procedure at Restoration

The procedure shall include at least following steps:

- **Notification of the suspension of market activities by the TSO according to Article [3], including the best estimate for the time and date of the restoration;**
- **Update on the restoration process by TSOs;**
- **Notification by the NEMO(s) and Market Participants that their market tools and communication systems are operational;**
- **Notification of the restoration of the network back to Normal State by the TSO(s);**
- **Consultation by the TSO of the NEMO(s) and Market Participants on the proposed time and date for the return to normal market activities;**
- **Approval by the NRA(s) of the proposed time and date for the restoration of Market Activities where practicable when the TSO(s) and Market Participants cannot agree**
- **Notification by the TSO of the best estimate for time and date when market activities will be restored; and**
- **Confirmation by the TSO and NEMO(s) and Market Participants that market activities have been restored.**

The details of this procedure for restoration shall be defined by the TSO and the market participants and approved by the NRA

Procedure for Restoration

Each TSO, in coordination with neighbouring TSOs, shall launch the restoration of suspended market activities when:

- **the Market Activities Restoration Triggers are cumulatively met;**
- **Market Participants have been duly informed sufficiently in advance;**
- **tools and communication means necessary for TSOs, NEMOs and the percentage of Balancing Service Providers and/or Balance Responsible Parties as defined in Article 1(3)(e) to operate the activities are properly functioning; and**
- **significant amount of Cross Zonal Capacities can be made available to Market Participants.**
- **When practicable, after approval of the NRA**

Settlement procedure

The rules and principles shall address all settlements of TSO's with Balance Responsible Parties, Balance Services Providers and other TSOs.

For the purpose of this settlement, TSOs shall act as settlement coordinator between generators and imports on the one hand and suppliers (or their respective balancing responsible parties) and exports on the other hand. The settlement shall be based on the meter readings and TSO's instructions during the Market Activities Suspension period. The detailed settlement rules, including the unit price for each period of time, has to be approved by the NRA. Upfront the TSOs and generators shall agree on a price formula for the energy injected in the affected networks. The DSOs shall provide their best estimates to allocate the consumed energy during the Market Activities Suspension period to each supplier.

Each NRA shall ensure the financial neutrality of all TSOs under its competence with regard to the financial outcome as a result of the settlement pursuant to this paragraph, over the regulatory grid access tariffs period as defined by the relevant NRA.

Each NRA shall determine the deadlines of provisional settlement and final settlement.

QUESTIONS ???