



Report assessing the progressive coordination and harmonisation of mechanisms and agreements for redispatching and countertrading

Core TSO's report in accordance with EU Regulation 1222/2015 article 35(3)

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1. INTRODUCTION

All Capacity Calculation Regions (CCRs) shall by 26 months after the regulatory approval of the CCRs publish a report assessing the progressive coordination and harmonisation of the appropriate mechanisms and agreements for redispatching applicable to each Transmission System Operators (TSOs) control area, including interconnectors.

In the Core region, the impact of redispatching (RD) and countertrading (CT) is not the same everywhere. Some TSOs apply RD/CT already for a long-time, whilst others only apply it occasionally or have developed non-costly remedial actions to solve their congestions. In this context, as well as due to the different cross border impact, it is very challenging to develop a common methodology for redispatching and countertrading in accordance with Guideline on Capacity Allocation and Congestion Management (CACM regulation) Article 35(1). Against this background the Core TSOs will introduce a common optimization, taking into account the different experiences and settings to use the costly and non-costly remedial actions in the most efficient way.

Core CCR TSOs are currently in an alignment process with European Commission (EC), Agency for the Cooperation of the Energy Regulators (ACER) and National Regulator Authorities (NRAs) regarding the development of Core CCR RD&CT methodologies according to CACM Art. 35+74, including experimentation. Generally, the agreements and mechanisms used for countertrading and redispatching are national, and they are often quite different due to historical reasons. The implementation of the requirements set out in the CACM Regulation is the next step.

2. THE CURRENT USE OF REDISPATCHING AND COUNTERTRADING

In this section, the redispatching and countertrading solutions currently in place within the CCR Core are described.

| TSO | RD/CT | How resources are selected | Resources used |
|-------|-------|--|---|
| APG | CT | mostly last resort: location (balancing market) | mostly last resort: balancing market |
| | RD | based on location/sensitivity/MW availability/price or costs | generation units/pumps/loads respecting technical constraints |
| CEPS | CT | not used | |
| | RD | based on location/sensitivity/MW availability/price or costs | spinning generators and fast activated generation |
| CREOS | CT | not used | |
| | RD | not used | |
| ELIA | CT | Merit Order | MW available on production units that are not reserved for contracted balancing products |
| | RD | based on location/sensitivity/MW availability/price or costs | MW available on production units that are not reserved for contracted balancing products respecting technical constraints |

| | | | |
|---|----|--|--|
| ELES | CT | merit Order | As a last resort: balancing market |
| | RD | based on location/sensitivity/MW availability/price or costs | all available generators /pumps respecting technical constraints |
| HOPS | CT | Not used | Not used |
| | RD | based on location/sensitivity/MW availability/price or costs | all available resources respecting technical constraints |
| MAVIR | CT | not used | |
| | RD | based on location/sensitivity/MW availability/price or costs | all available resources respecting technical constraints |
| PSE | CT | merit order according to balancing market offers | all available generators respecting technical constraints |
| | RD | based on location/sensitivity/MW availability/price - merit order according to balancing market offers | all available generators respecting technical constraints |
| RTE | CT | merit-Order on the Balancing market | balancing market |
| | RD | based on location/volume available and merit order. For the same costs, bids from RES are activated first. All available resources on the balancing market can be activated for congestion management. | balancing market, (MW available on production units that are not reserved for contracted balancing products) |
| SEPS | CT | not used | |
| | RD | not used | |
| Transelectrica | CT | balancing market, merit order based. Taking position in intraday market, minimum 2 hours before real time. | Generators respecting technical constraints |
| | RD | based on location/sensitivity/MW availability/price - merit order according to balancing market offers | Generators respecting technical constraints |
| 50Hertz Amprion TenneT Germany TransnetBW | CT | asking for bids at the German Intraday market | intraday market |
| | RD | based on location/sensitivity/MW availability/costs | generators loads pump storages storages for electrical energy respecting technical constraints |
| TenneT Netherlands | CT | not used | |
| | RD | based on location/sensitivity/MW availability/prices | generators loads storages for electrical energy respecting technical constraints available resources offered by the market |

In Core Region the Regional Security Centers (RSCs) TSCNET and CORESO have a coordination role to support the Day-ahead-Congestion-Forecast (DACF) and Intraday-Congestion-Forecast (IDCF). In these processes, tools for data exchange and security assessments (CTDS) to effective day ahead, intraday, and real time grid security analyses are used. Based on that, a dedicated security analysis is performed to suggest the most appropriate remedial actions that could be taken.

3. FUTURE

At the time of writing, the CCR Core TSOs do not yet have an approved methodology for the coordination of redispatching and countertrading or a methodology for cost sharing of redispatching and countertrading. Therefore, it is premature to decide upon which measures and mechanisms will be most appropriate to solve the future needs. For the consideration of non-costly and costly remedial actions, an approved methodology regarding Article 76 System Operation Guideline (SOGL) together with articles 77 and 78 is needed. Currently the Core CCR TSOs concentrate on finalising the Core CCR RD&CT methodologies. However, Core CCR TSOs will actively participate in an ENTSO-E workshop scheduled for December 2018 on further alignment between the regions.