

COVID-19 Pandemic

Business Continuity for Transmission System Operators

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TSOs Business Continuity - Status

- ❑ Today, System Operation remains safe in Europe: all power systems are in normal state.
- ❑ Across Europe, due to extraordinary measures taken by Governments (e.g. restrictions on mobility) have led to a decrease of electricity consumption and resulting in stable generation unit availability. For the moment, there are no adequacy issues expected in short or medium term.
- ❑ In all countries, the electricity market (balancing, cross-border exchanges in day ahead and intraday) is functioning normally. Thus, currently there are no conditions to initiate market suspension. This is as long as adequacy and security of supply is ensured.
- ❑ In many cases, National Authorities have organised teleconferences with TSOs and stakeholders of energy sector, to ensure their continued capability to provide core activities and services. These discussions also there is sharing of measures and good coordination by the stakeholders concerned.
- ❑ In accordance with procedures of TSOs, teleconferences have been arranged with relevant stakeholders (DSOs, generation units, market players, IT and Telecommunication providers) to maintain close cooperation to ensure continuity of services and discuss possible interventions, if needed.

TSOs Core Activities to ensure Safety of the Grid

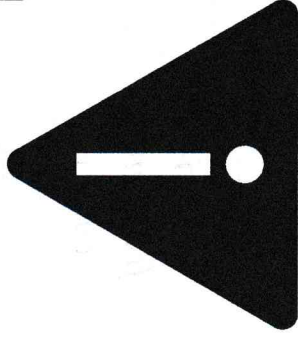


❑ TSOs have implemented, where needed, a doubling up of staff in terms of staffing the National main Control Center and National backup Control Center and the Regional Control Centers

❑ In some cases, grid maintenance works is being postponed or cancelled, due to travel restrictions without risking system operation in short or medium terms

COVID-19 Measures implemented by TSOs

- ❑ **Hygiene and sanitary measures**, especially for operational staff: intensified cleaning, scan temperature, no hand-shake, keep distance.
- ❑ **Travel restriction or cancellation of arrangements**, inside or outside the countries, to prevent virus contamination.
- ❑ **Organisational measures**, that could be expanded depending how the situation is evolving:
 - Restricted access to control rooms to people strictly needed for continuity of operation.
 - Partial confinement of operational staff in control room: people are required to stay at home when they are not in shift, with contacts limited to their families, and not to use public transportation.
 - Total confinement of operational staff in control room: for period of 7 days, operational staff (at least 3 teams for a 24 hours shift) stay inside the control room, without any contact outside.
 - Parallel work of 2 Control Rooms (main and back-up) + support/back-up offices (planning & balancing and IT support) + support/back-up from regional centres.
 - Operational staff is divided into separate teams with no mixing between the teams.
 - Clear and direct instruction to personnel on how to respect the new rules.
 - Teleworking for non-core activities.



Covid-19 Ongoing Measures for TSOs

- ❑ Covid19 is an unprecedented situation and represents a major challenge which is being managed in accordance with TSOs planning procedures, processes and systems.
- ❑ Continuous sharing and discussion of detailed measures amongst TSOs to manage the COVID-19 crisis.
- ❑ For future reference, TSOs can assess this experience of how to handle such an unprecedented situation especially in context of the development of risk preparedness regional scenarios.