

Insert your logo here



# **Best practices in electricity TSO monitoring based on EU Regulations and other national legislation**

## **ANRE Romania**



**Joint Meeting of the NG & EMER Committees**  
October 11, 2023

Hosted by:



# Main Monitoring Directions for TSO Activity

## **on annual basis**

- 1. Costs recorded in the electricity transport activity, included system services costs;**
- 2. Use of congestion income from capacity allocation on interconnection lines;**
- 3. Service Performance Indicators;**
- 4. Fulfillment of investment and maintenance plans.**

## **by 2 years basis**

**Fulfillment of Ten Years Developing Investment Plans**

**Fulfillment of Unbundling Certification Conditions**

# Monitoring of Costs (1)

---

ANRE monitors TSO activity on three main cost categories:

- CAPEX costs;
- OPEX costs;
- variable costs: acquisition costs for network losses).

OPEX costs are monitored in four categories:

- maintenance costs;
- personnel costs;
- labor security costs;
- other operating costs.

# Monitoring of Costs(2)

---

ANRE monitors the costs incurred by the TSO in the relationship with the affiliated companies, in order to ensure compliance with the market value principle in the case of works, products and services purchased from them.

For all cost categories, annual corrections are made to the forecasted values in relation to the realized values recognized according to the methodological rules.

# Revenues from Capacity Allocation on Interconnection Monitoring

---

- The Romanian TSO is responsible for the management of congestion income resulting from the allocation of interconnection capacities between Romania and Serbia, Hungary and Bulgaria and Ukraine and Moldova;
- ANRE approves and monitors annually the way in which the revenues obtained from the allocation of cross-border interconnection capacity are used in relation to the provisions of art. 19 para. (2) and (3) of EU regulation 2019/943.
- ANRE annually informs ACER about the destination of the revenues obtained from the allocation of cross-border interconnection capacity.

# Performance Service Indicators Monitoring (1)

---

The transport and system operator (TSO) has the obligation to provide the service in accordance with **the quality level** stipulated in the performance standard.

**General performance indicators** regarding the use of network: Losses Level, INDLIN and INDTRA indicators, system service and coordination of system operation;

- Performance indicators regarding the **continuity of service** that refer to interruptions in the supply of users connected to the TSO network, through indicators such as **ENS** and **AIT**.

# Performance Service Indicators monitoring (2)

---

- **technical quality** of electrical energy by monitoring of compliance with the standardized domains for voltage, frequency, harmonic distortion factors, asymmetry and flicker;
- **commercial quality** relate to the commercial relationship between TSO and network users regarding the **connection** process, data and information exchanges, as well as the **customer notifications** and **complaints**.

# Investment and Maintenance Plans Monitoring

---

## INVESTMENT PLANS

TSO makes 10-year network development plans, regulatory period investment plans and annual plans:

- **10-year network development plans** are made by the TSO once every 2 years and are subject to approval by the regulatory authority;
- **Investment plans for a regulatory period** are submitted by the TSO in year [t-1] of the regulatory period, with the aim of substantiating the approved tariffs for this period;
- **Annual Investment Plan** is submitted in the 1st quarter of that year and is revised in the 3rd quarter of the same year.



# Annual Investment Plans

---

The projects included in these investment plans must comply with the following criteria: **necessity, opportunity and efficiency** of the investment.

With a view to including the investments commissioned in the year [t] in the regulated asset base, TSO submits in the year [t+1] the related documents regarding fulfilling the acceptance criteria, and proof of obtaining the market value price.

The additional works carried out, not declared in the plan, must prove the fulfillment of obligations imposed by the legal framework.

# Annual Maintenance Plans

---

OTS schedule maintenance works on an annual plan, broken down by types of installations and types of maintenance works, respectively preventive maintenance for scheduled works and corrective maintenance regarding works needed after accidental events in the electrical network.

This plan is submitted by TSO in the 1st quarter of every year and, in the following year, the achievements are reported to the regulatory authority for the purpose of monitoring the fulfillment of this plan.

# Unbundling Certification Conditions Monitoring

---

- Romanian TSO Transelectrica was certified by ANRE as Ownership unbundling model- ANRE Order nr. 164/2015 and European Commission Consent C(2015) 7053 final, 12.10.2015
- TSO reports to ANRE any change regarding:
  - Ownership structure
  - Appointment of High level management persons : Survey Council and Directorate
  - Affiliates

ANRE has legal competencies to verify if TSO respect all legal provisions regarding independence versus market participants interest



**THANK YOU  
FOR YOUR ATTENTION!**

[Emailaddress@domain](mailto:Emailaddress@domain)