

Italy North Quarterly report for Article 16.3 of EU Regulation 2019/943 – Reading guide

LTCC Coordinated Capacity Calculation on the Italy
North region

Version 1.0

RCC

Information Classification: *Public* *Restricted* *Confidential*



Version	1.0
Date	5 th February, 2024

Version history

Version	Date	Document status & Summary of changes
1.0	February 2025	Initial draft of the reading guide for IN CCR based on the reading guide documentation format from the Core region.



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List of Acronyms

CACM	Capacity Allocation and Congestion Management
CC	Capacity Calculation
CCR	Capacity Calculation Region
D2	D-2 process
ID	Intraday process
IN	Italy North
RCC	Regional Coordination Centre
TS	Timestamp
TSO	Transmission System Operator
NRA	National Regulatory Authorities
ACER	Agency for the Cooperation of Energy Regulators

1. INTRODUCTION

The capacity calculation (CC) process for Italy North (IN) Capacity Calculation Region (CCR) is performed by Coreso and TSCNET appointed by the Central Europe System Operation Region (Central SOR) as Regional Coordination Centre on the 1st of July 2022. The CC task is provided to IN region as described in the latest version of the Day-Ahead Capacity Calculation (D2CC), Intraday Capacity Calculation (IDCC) and Long-Term Capacity Calculation (LTCC) methodologies approved by IN NRAs.

“Methodology for an intraday common capacity calculation in accordance with Article 21 of Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a guideline on capacity allocation and congestion management within Italy North CCR”

And

“Methodology for a common D2 capacity calculation in accordance with Article 21 of Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a guideline on capacity allocation and congestion management within Italy North CCR”.

And

“Methodology for long-term cross-zonal capacity calculation for Italy North CCR in accordance with Article 10 of the Common Regulation (EU) 2016/1719 of 26 September 2016 establishing a Guideline on Forward Capacity Allocation”

Since entering into force on the 1st of July 2022, the Clean Energy Package (CEP) Commission Regulation (EU) 2019/943 mandated that as part of the roles and responsibility for Regional Coordination Centres (RCCs) that perform the reporting task as contained within Article 16.3 of the regulation for all RCC task contained within Article 37.1. This report is provided in fulfilment of the RCC reporting obligations as covered within the Article 16.3 of Commission Regulation (EU) 2019/943 starting from Q3 2024.

As a result of the latest amendment to the CEP regulation, Article 37(1) of the CEP has been updated to incorporate, in addition to the Capacity Allocation and Congestion Management guideline, the forward capacity allocation guideline as a responsibility of RCC. The new amended regulation went into force on the 17th of July 2024. As a consequence of the amendment, RCCs are now required to also deliver the Art. 16.3 reporting task to ACER and the NRAs for the LTCC timeframe.

2. DESCRIPTION OF THE REPORT

This guide helps interpret data detailing adjustments to cross-zonal capacities between Italy (IT) and its neighbouring regions, including borders with France (FR), Austria (AT),

Switzerland (CH), and Slovenia (SI). The report highlights reductions, reasons for adjustments, and associated metadata for Import and Export directions.

The report consists of multiple sections, each corresponding to a border of the Italy North (IT North) region:

Borders Covered:

- Italy – France (IT-FR)
- Italy – Austria (IT-AT)
- Italy – Switzerland (IT-CH)
- Italy – Slovenia (IT-SI)

Direction of Flow- Each border includes two sections:

- Import: Cross-zonal capacities for power flowing into Italy.
- Export: Cross-zonal capacities for power flowing out of Italy.

2.1. Reading Guide for LTCC Process Data

The raw data per MTU for the timestamps within each reporting quarter were the incidence of capacity reduction occurred because of the individual validation process step performed by the TSOs in the LTCC process are reported in the accompanying excel file for the reading guide with name format: **“IBWT_LTCC_YYYYQX_Report.xlsx”**. **The Excel file contains five different “sheets” namely {IT, FR, CH, AT, SI}**. The sheets represent the reported data for each quarter for the five Italy North TSOs: Italy (Terna), France (RTE), Switzerland (SwissGrid), Austria (APG) and Slovenia (ELES) respectively. Each sheet contains the same columns and rows formats as captured below in Table 1.2.1. The reduction for each TSO is reported either indicating it's in the import or export direction towards Italy.

2.1.1 Reading Guide for LTCC Process Data

Column Name	Expected Format	Description
Day	YYYYMMDD	The calendar day of the adjustment.
Position	Number (1-24)	Hourly position within the day (1 to 24).
Volume of Reduction (MW)	Number (in MW)	Adjustment in megawatts (MW): positive for increase, negative for reduction.
Exceptional Contingencies or Forced Outages	Text	Indicates whether the adjustment is due to contingencies or outages.
Detailed Reason(s)	Text	Explains the reason for the capacity adjustment.
Out Domain (Import) / In Domain (Export)	Text	Specifies the source (Import) or destination (Export) of capacity changes.

Coordinated/Individual	Text	Indicates if the adjustment was coordinated or individual.
Invoked by	Text	Specifies the entities initiating the adjustment (e.g., <Country1>-<Country2>).

3. CONCLUSION

This report provides a structured overview of cross-zonal capacity adjustments in the Italy North region, ensuring transparency and compliance with regulatory requirements. The report highlights a possibility to note key trends in capacity reductions and their underlying causes, supporting effective coordination among TSOs.

With the recent regulatory amendments expanding RCC responsibilities for LTCC, this report plays a crucial role in enhancing data-driven decision-making for capacity calculation. Future improvements will focus on refining validation processes and increasing data granularity to further optimize transparency and grid stability in the region.