
Explanatory note on the Italy North TSOs amendment of
the long-term cross-zonal capacity calculation
Methodology

November 2026



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1. INTRODUCTION

The current long-term capacity calculation methodology (LT CCM) implies a statistical approach, based on historical cross-zonal capacity for day-ahead or intraday timeframes calculated in a coordinated manner in the Italy North Region, in order to properly take into account all sources of uncertainty related to the long-term capacity calculation timeframes (in line with Art. 4 of the LT CCM).

The historical series of NTC values is appropriately filtered to ensure that the analyzed statistical dataset is truly representative in order to determine the capacity in the long-term timeframe (in line with Art. 5 of the LT CCM).

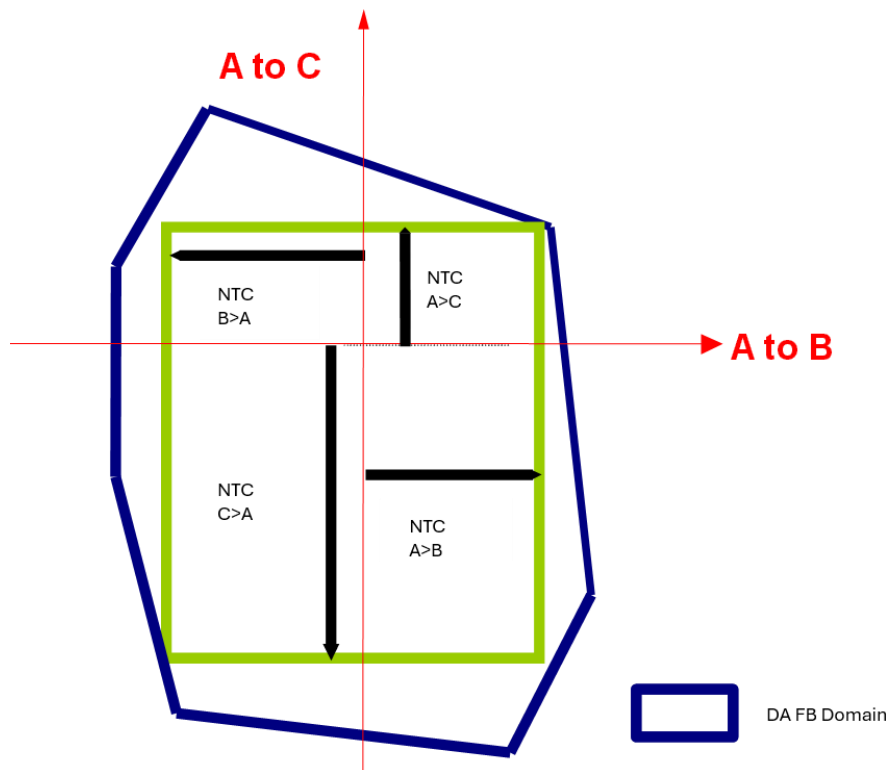
The purpose of this amendment is to address the planned Go-Live of CE FB DA capacity calculation in January 2028 and the consequent discontinuation of the IN Day-Ahead Capacity Calculation (DACC). Therefore a replacement for the D-2 NTC values needs to be identified in order to maintain the statistical dataset for the LTCC process.

The amendment does not change the statistical LTCC methodology itself. The amendment only replaces the source of the day-ahead capacity samples following the implementation of the CE Flow-Based Day-Ahead Capacity Calculation methodology.



2. EXPLANATION OF THE NTC EXTRACTION

Following the go-live of the CE FB DA methodology, historical D-2 NTC values will no longer be available. Therefore, NTC values extracted from the unconstrained CE Flow-Based domain will be used as replacement input for the LTCC statistical process. These extracted values represent the maximum bilateral exchange capability that can be derived from the Flow-Based domain and therefore provide an equivalent input for the existing LTCC statistical methodology. An example is given below.



In the CE DA FB calculation, there will be computation step where this extraction will be performed. From an unconstrained FB domain, the NTCs will be exported and submitted to the IN LTCC process. This step will be performed for each MTU of the CE FB DA calculation .

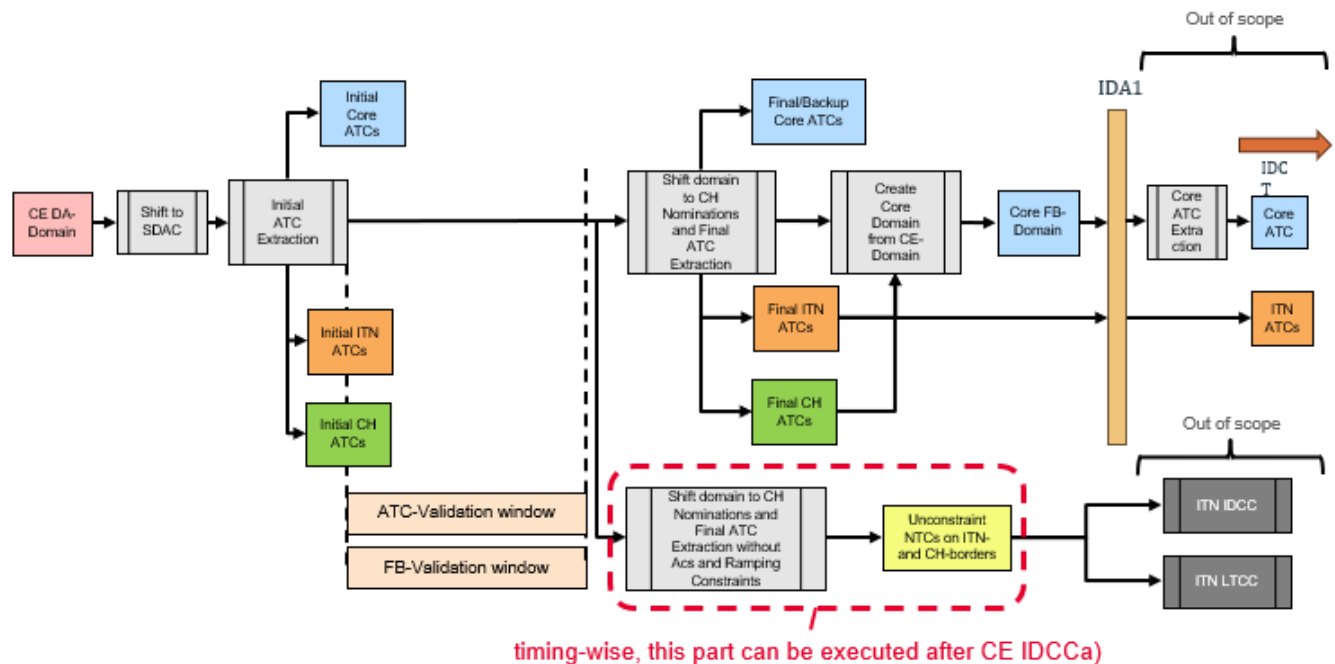
With this solution, the IN LTCC process can substitute the IN DA CC NTC values by the NTC extracted values from CE FB DA calculation. The input from the IN ID CC process stays unchanged. In graph below the extraction of NTC values in CE FB DA is shown:



3. EXPLANATION OF THE FILTERING

Additional filtering criteria are introduced to ensure that only representative market time units are considered in the LTCC statistical dataset. Therefore, timestamps affected by CE DA process failures or Individual Validation Adjustments from IN TSOs and Technical Counterparty are excluded from the historical sample selection.

IVA applications correspond to situations where the calculated CE DA capacities were adjusted during the validation process for operational security reasons. Such situations are considered non-representative for the construction of historical LTCC datasets and are therefore excluded during statistical sample selection when IVA is applied by IN TSOs and Technical Counterparty.





4. EXPLANATION OF THE AMENDED ARTICLES

For the use of the NTC Extraction method of CE FB DA CC the following parts of the LT CCM have been amended to reflect the above consideration:

- Article 4.3 has been amended to replace D-2 NTC samples with NTC values extracted from the unconstrained CE FB DA domain following the CE FB DA go-live.
- Article 5.1.a has been amended accordingly to reflect the new source of historical day-ahead samples.
- Article 5.1.f has been updated to remove references to the discontinued D-2 process.
- Article 5.1.g introduces IVA applications and CE DA process failures as additional filtering criteria.
- Article 6 has been updated accordingly to reflect the revised sample filtering process.
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5. IMPACT OF THE AMENDMENT

The amendment has a limited scope and is required due to the implementation of the CE FB DA methodology. It does not modify the LTCC statistical approach itself but ensures the continued availability of representative day-ahead input data following the discontinuation of the Italy North D-2 capacity calculation process.