

# Regional Coordination Processes Data Exchange Specification (RCP-DES)

## Release 2.5

Document Version 1.0.0

ICTC approved on 10 September 2026

## Release notes

ENTSO-E develop and maintain the CIM-based Network Code Profiles extensions and associated artefacts, the so-called *Application Profiles* (PROF, RDFS, and SHACL), incorporating new use-cases and correcting identified bugs.

### Release 2.5

- Changes magnitude: minor.
  - Many functionalities are added in a backward compatible manner.
    - Nevertheless, some changes may be considered as breaking changes (not backwards compatible) like changes in attributes/classes names or addition of new ones.
  - The technical agreement is to tag the release as a minor release due to the fact that there is no real implementation of v2.4 of NCP in any of the Regional Coordination Processes (RCPs), and therefore, the expected impact of release 2.5 is not deemed as major.
  - The structural part of the data does not change. However, there are new behaviours of the information model in comparison to the previous version.
  - Addition of functionalities.
  - Change in the way the classes attributes in the information model (UML) are used and interlinked.
  - Addition of use-cases: implementers add new reasons to use the standard.
  - Addition of test use-cases: implementers add/provide test models to showcase such functionalities.
  - Application Profiles are updates; Simple SHACL constraints are generated for all profiles.
- Changes nature: specifications, information model (UML) and Application Profiles (PROF, RDFS, and SHACL) change.

The release 2.5 of the RCP-DES features the following main changes

- Changes' description:
  - Subsection added on "Generating Unit Dependency"
  - Subsection added on "SchedulingArea, BiddingZone and ControlArea Relationship"
  - Added guidance Subsection on "Representation of HVDC Interconnections"
  - Chapter added on "Shared Remedial Action in Boundary Data Set"
  - Chapter added on "Restricting HVDC Flow Polarity in Time"
  - Description updated on "List of SPS/SIPS"
  - Chapter added on "Voltage Angle Limit"

- Chapter added on " Acknowledgment Mechanism for Outage Planning Coordination"
- Chapter added "By-passing Configuration"
- Subsection added "Active/Reactive Power Restriction SGU"
- Chapter added on "Control Model"
- Chapter added on "Usage of Difference Datasets"
- Chapter added on "Dataset Validation"
- Chapter added on "Security Analysis Result"
- Remove the references to ReliCapGrid. Keep it general.
- Update the IDs of examples from ReliCapGrid.