



Modifications Federal Grid Code Topic CDS – Proposal for a Position Paper

WG Belgian Grid
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Topic CDS – Proposal for Position Paper



UG Position Paper

- Proposal : to adopt an Users' Group Position Paper on a competencies vision for CDS issues
- High level content:
 - To confirm the current federal/regional repartition of competencies
 - To complete the current regime
 - To set guidelines for proposing textual modifications for federal and regional grid codes

To write a proposal on textual modifications of FGC

- Based on the current federal/regional repartition of competencies
- Using the latest developments regarding the market related issues

A proposal based on competencies drivers

Reorganized topics



Topics	Examples	Federal regime driver	Regional regime driver	As Is / To be
General obligations	Discrimination prohibition ; Confidentiality obligation ; Coupling contract with other network operators (TSO-DSO) ; Remedies supply failures and interruptions	Transmission: parts of CDS operated at nominal voltage >70kV	Distribution & local transmission: parts of CDS operated at nominal voltage ≤ 70 kV	To be developed in FGC Existing in FI. GC To be developed in W. GC
Connection of CDS to another grid	Technical requirements; sound coordination and interaction between networks; planning criteria	Transmission: parts of CDS operated at nominal voltage >70kV	Distribution & local transmission: parts of CDS operated at nominal voltage ≤ 70 kV	To be developed in FGC Existing in FI. GC To be developed in W. GC
Internal functioning of CDS	System operation of CDS grid (security, reliability & efficiency)	Transmission: parts of CDS operated at nominal voltage >70kV	Distribution & local transmission: parts of CDS operated at nominal voltage ≤ 70 kV	To be developed in FGC Existing in FI. GC To be developed in W. GC
Connection and access of grid users within a CDS	<u>Connection</u> : CDS grid infrastructures maintenance & development; power quality <u>Access</u> : Access holder register ; access contract with CDS users ; Conditions for refusal, suspension or termination of access; metering rules ; energy allocation ; data exchange with all market actors	Transmission: parts of CDS operated at nominal voltage >70kV	Distribution & local transmission: parts of CDS operated at nominal voltage ≤ 70 kV	To be developed in FGC Existing in FI. GC To be developed in W. GC

A proposal based on competencies drivers

Reorganized topics

Topics	Examples	Federal regime driver	Regional regime driver	As Is / To be
Market related issues	Nominations of BRPs active in CDS ; roles of BRP in a CDS; balancing of the control area	Residual exclusive competence (because of technical & economic indivisibility); Economic & monetary union, property right, competition rules	Partial competence: Energy efficiency ; Distribution & local transmission (technical constraints for clients connected at DSO-PVN levels)	To be developed in FGC To be developed in regional legislations (GC and others)
Flexibility / demand response within a CDS	Definition of products delivered from CDS to TSO and to the market (flexibility, ToE, imbalance tariff, SA offered by CDS grid user ...) Rules on respective responsibilities and tasks regarding offer of flexibility/demand respons + relations with market actors and TSO/DSO	Transmission: parts of CDS operated at nominal voltage >70kV	Distribution & local transmission: parts of CDS operated at nominal voltage ≤ 70 kV	To be developed in FGC Existing in Fl. GC To be developed in W. GC
Tariffs	Tariffs principles and rules; ex-post approval by regulator	Transmission: parts of CDS operated at nominal voltage >70kV	Distribution & local transmission: parts of CDS operated at nominal voltage ≤ 70 kV	Regulatory rules at federal & regional levels

Elements for a Position Paper

To confirm existing rules set in the current legislation

- Based on global list of topics identified by WG BG
- Covering all aspects of CDS rules
- For each of topics, to propose where to set the rules: competency analysis (federal/regional regime)
- For each of topics, to compare the proposals with the existing rules set in TR in Flanders, at federal level and in Wallonia : gap analysis

What would be new in the proposal ?

- The 4 statutes of a CDS
- A chapter on CDS rules in the federal grid code
 - Whole set of rules for Federal CDS
 - Rules on global market issues
 - Rules on connection of CDS to Elia grid

Elements for a Position Paper (1/2)



Topics	Content	Additional information
Several 'market' statutes for CDS	CDS before declaration ; declaration process ; CDS offering flexibility / demand response ; third party access within a CDS	Depending the real situation of a CDS, not all rules are always applicable. Solution for existing CDS before declaration: even if not officially declared, a CDS is 'per definition' a CDS and has to comply with the legislation of the said region. With creating a statute 'CDS before declaration', it clarify this point
General obligations of CDS	Discrimination prohibition ; Confidentiality obligation ; organization of coupling with other network operators (connection/access contracts with TSO-DSO) ; Remedies supply failures and interruptions	Applicable to all CDS, even to CDS before declaration
Connection of CDS to another grid	Technical requirements of Elia and/or DSO for connection	<u>Flanders</u> : proposal to merge TRPVN & TRD's chapters related to CDS. Rules identical ; vision of VREG (except rules on coupling to another grid – chapter VI.3 of the TRD) <u>Federal</u> : to describe technical requirements for connection with TSO Applicable to all CDS, even to CDS before declaration
Internal functioning of CDS	Applicable to all CDS, as from CDS before declaration	Rules on technical operation valid for every CDS, whatever the statute of the CDS

Elements for a Position Paper (2/2)



Topics	Content	Additional information
Flexibility / demand response within a CDS	Rules on respective responsibilities and tasks regarding offer of flexibility/demand respons + relations with market actors and TSO/DSO (data management, definition of products delivered from CDS to TSO and to the market,,) Rules related to requirements of Elia and/or DSO for offer of flexibility/demand respons	Rules applicable to CDS when flexibility / demand response is furnished by grid users within the CDS (not necessarily with third party access)
Connection and access of grid users within a CDS	Relations of the CDS operator with the CDS grid users ; data exchanges with market actors (as for ex : regarding access register and energy flows); rules organizing the 1/3 party access	Rules applicable to CDS when third party access within a CDS is launched
Market related issues	Access & balancing (BRP issues) requirements of Elia: global market rules set at federal level (in FGC)	Rules applicable to CDS when third party access within a CDS is launched
Tariffs	Rules on tariffs at regional level	Rules applicable to CDS when third party access within a CDS is launched
Infrabel CDS	which specific rules would be needed ?	to be detailed