



Implementing Gas Network Codes in the Energy Community

Regulation (EU) 2015/703 of 30 April 2015 establishing a network code on interoperability and data exchange rules

1. Introduction

- CP-CP/MS-CP relevant IPs
- ICAs status quo

2. Implementation proposal

- 1st step – 01.01.2018
- 2nd step – 01.01.2019

3. Regulation (EU) 2015/703 in details

4. Way forward



[1] Introduction₁ – relevant IPs

● EnC - EnC ● EnC - EU

#	IP-NAME/-LOCATION#
1#	Drozdovichi(UA)/-Drozdowicze(PL)-#
2#	Hermanowice(PL)/-(UA)#
3#	Uzhgorod-1(UA)/-Velké-Kapušany(SK)#
4#	Uzhgorod-2(UA)/-Velké-Kapušany(SK)#
5#	Uzhgorod-3(UA)/-Velké-Kapušany(SK)#
6#	Uzhgorod-4(UA)/-Velké-Kapušany(SK)#
7#	Budince(SK)/-(UA)#
8#	Beregovo(UA)/-Beregdaroc-1400(HU)#
9#	Beregdaroc-800(HU)/-Beregovo(UA)#
10#	GMS-Tekovo(UA)/-Mediesu-Aurit-(RO)#
11#	VIP-Mediesu-Aurit-Isacea-(RO)/-(UA)#
12#	Orlovka(UA)/-Isaccea-import-(RO)-#
13#	Orlovka(UA)/-Isaccea-I-(RO)#
14#	Orlovka(UA)/-Isaccea-II-(RO)#
15#	Orlovka(UA)/-Isaccea-III-(RO)#
16#	Oleksiiivka(UA)/-Alekseevka-(MD)#
17#	GMS-Grebnyky(UA)/-Grebnyky-(MD)#
18#	Kaushany(RU/MD)/-Kaushany(UA)#
19#	Kyustendil(BG)/-Zidilovo-(MK)#
20#	Kiskundorozsma(HU)/-Horgoš-(RS)#
21#	Mali-Zvornik-(RS)/-Zvornik-(BH)#
22#	Ungheni-(RO)/-Ungheni-(MD)#



[1] Introduction₂ – ICAs' status quo

- 1. Ukraine – Poland:** Uktransgaz and Gaz-System concluded in 2014 ICA for Hermanowice IP; update ICA for IP Drozdovichi-Drozdowicze (old ICA signed in 2006)
- 2. Ukraine – Slovakia:** Uktransgaz and Eustream concluded in 2015 ICA for Budince IP; no ICA yet for IPs Uzhgorod-Velke Kapusany
- 3. Ukraine – Hungary:** Uktransgaz and FGSZ concluded in 2015 ICA for both IPs; full operationally depends on matching shippers codes
- 4. Ukraine – Romania:** Uktransgaz and Transgaz have negotiated ICA(s) for all 5 IPs; for T1 is expected to be signed soon; T2 and T3 depends on availability of shippers codes
- 5. Ukraine – Moldova:** Uktransgaz approached Moldovagaz (3 IPs) ; no agreement yet
- 6. Moldova – Romania:** Transgaz and Westmoldtransgaz concluded TA for Iasi-Ungheni pipeline
- 7. Hungary – Serbia:** Srbijagas launched discussion with FGSZ on ICA
- 8. Serbia – Bosnia and Herzegovina:** discussion on ICA between Srbijagas and Gaspromet/BH Gas has not started yet
- 9. Bulgaria – fYR of Macedonia:** GAMA has TA with Bulgartransgaz; Gazprom export matching party at the border

[2] NC implementation₁ proposal – First step: 01.01.2018



Interoperability	CAM	CMP	Balancing
Chapter II Interconnection Agreements	Chapter II Principles of Cooperation	Entire act COM Decision of 24.08.2012 amending Regulation (EC) 715/2009 Annex I	Chapter II Balancing System
	Chapter III Allocation of Firm Capacity		Chapter IV Nominations (except re-nominations intraday)
Chapter VIII Information Provision (articles 32 (1)&(2); 33; 37 (2)&(3))			
Chapter X Interim Measures (to be applied as default before the BAL NC fully implemented) <u>or</u> application of Article 52 (Chapter XI)- Transitional provisions			
Chapter III Units + Annex	Chapter V Interruptible Capacity (with exception of within day interruptible capacity)		Chapter XI- Transitional provisions
Chapter I General provisions	Chapter VI Tariffs and Capacity Booking Platforms (with exception of rules related to bundled products)		
Chapter VI Final Provisions	Chapter VII Transposition, implementation & monitoring responsibilities		

Interoperability	CAM	Balancing
Chapter IV Gas Quality and Odourisation	Chapter II Principles of Cooperation (provisions related to data exchange and calculation of technical capacity with the purpose of offering bundled capacity)	Chapter III Operational Balancing
	Chapter IV Bundling of Cross- Border Capacity	Chapter IV Nominations (re-nominations intraday)
		Chapter V Daily Imbalance Charges
		Chapter VI Within Day Obligations
		Chapter VII Neutrality Arrangements
Chapter VIII Information Provision (articles 32 (3); 34-36; 37 (1); 38-44)		
Chapter V Data Exchange	Missing provisions related to within day capacity	Chapter IX Linepack Flexibility Service

[3] NC on interoperability

Chapter I General provisions

Chapter II Interconnection Agreements

Chapter III Units

Chapter IV Gas quality and odourisation

Chapter V Data exchange

Chapter VI Final provisions



Chapter II Interconnection Agreements Art 3-12

- ICA content (Art 3) and template (Art 5); information obligation (Art 4)
- Rules for flow control (Art 6), matching procedures (Art 8) and allocation of gas quantities (Art 9); measurement principles for quantity and quality (Art 7) ; communication in exceptional events (Art 10); settlement of disputes (Art 11) and amendment of ICA (Art 12)
 - ***All subject of agreement between adjacent TSOs***
 - ***Relevant agreements/obstacles to be taken into discussions for other NCs***

Chapter III Units Art 13-14

- Common set of units (in line with Regulation (EC) 715/2009) for pressure, temperature, volume, GCV, energy, Wobbe index
- Possibility for additional units, based on actual gas composition and EN ISO 13443 standard

Annex Conversion factors between reference conditions

Chapter IV Gas quality and odourisation Art 15-19

- Managing cross-border restrictions due to gas quality differences (art 15) and due to different odourisation practices (art 19) should be acceptable: if there is a problem, NRAs have power to request TSOs to find solutions in reasonable time
- Short term monitoring on gas quality by TSO (art 16) – time for adequate equipment (**once per hour in a gas day**)?
- Long term monitoring on gas quality by ENTSOG (art 18) – ENTSOG acceptance?; TSOs obligation to deliver data?
- Information on short term gas quality variation (art 17) – TSO to decide on frequency and receivers

Chapter V Data exchange Art 20-24

- Scope of data (Art 20) – related to NC TR, NC BAL, NC CAM provisions – what defined by this NC to be taken into account by other NCs
- IT required for common data exchange solutions (Art 21) and their implementation (Art 23) – **sufficient IT in place? If not, by when is possible?** Crucial for defining overall implementation deadline of phase 2
- Data exchange security (Art 22) goes in parallel with Art 21 and 23
- Art 24 imposing tasks to ENTSOG (will be relevant for EnC CPs), but ENTSOG role in Art 21 requires prior acceptance

Chapter VI Final provisions Art 25-26

Implementation monitoring – by ENTSOG? By ECS?

Entry into force – 2 package deadlines

Chapter I General provisions Art 1-2

Definitions :

exceptional event; initiating transmission system operator; matching transmission system operator; matching process; lesser rule; operational balancing account; measured quantity; processed quantity; steering difference

Subject matter and scope:

Application on which (interconnection) points? Legal gap – MS-CP

Possible to be implemented by MS: „This Regulation may also apply at entry points and exit points to third countries, subject to the decision of the national authorities.“

[4] Way forward



Acceptable Deadlines?

Further discussions needed?

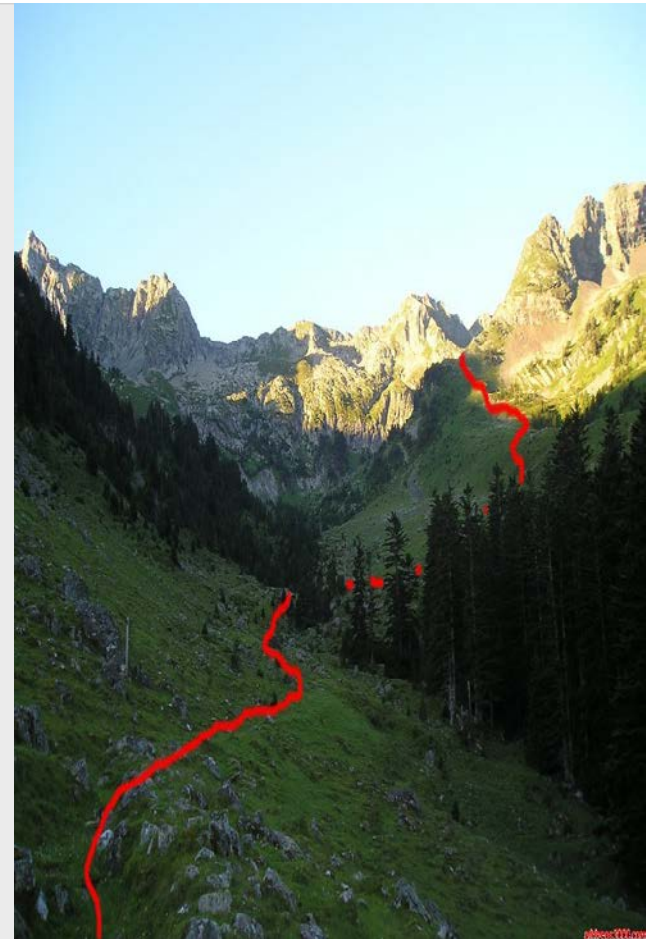
Adaptation text for EnC CPs?

IP MS-CP from MS side?

Further work on ICAs?

ECS support?

EC support?



The background is a satellite-style image of the Earth at night, showing city lights. Overlaid on this are numerous glowing blue lines that represent energy or data connections, crisscrossing the globe.

*Thank you
for your attention!*

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