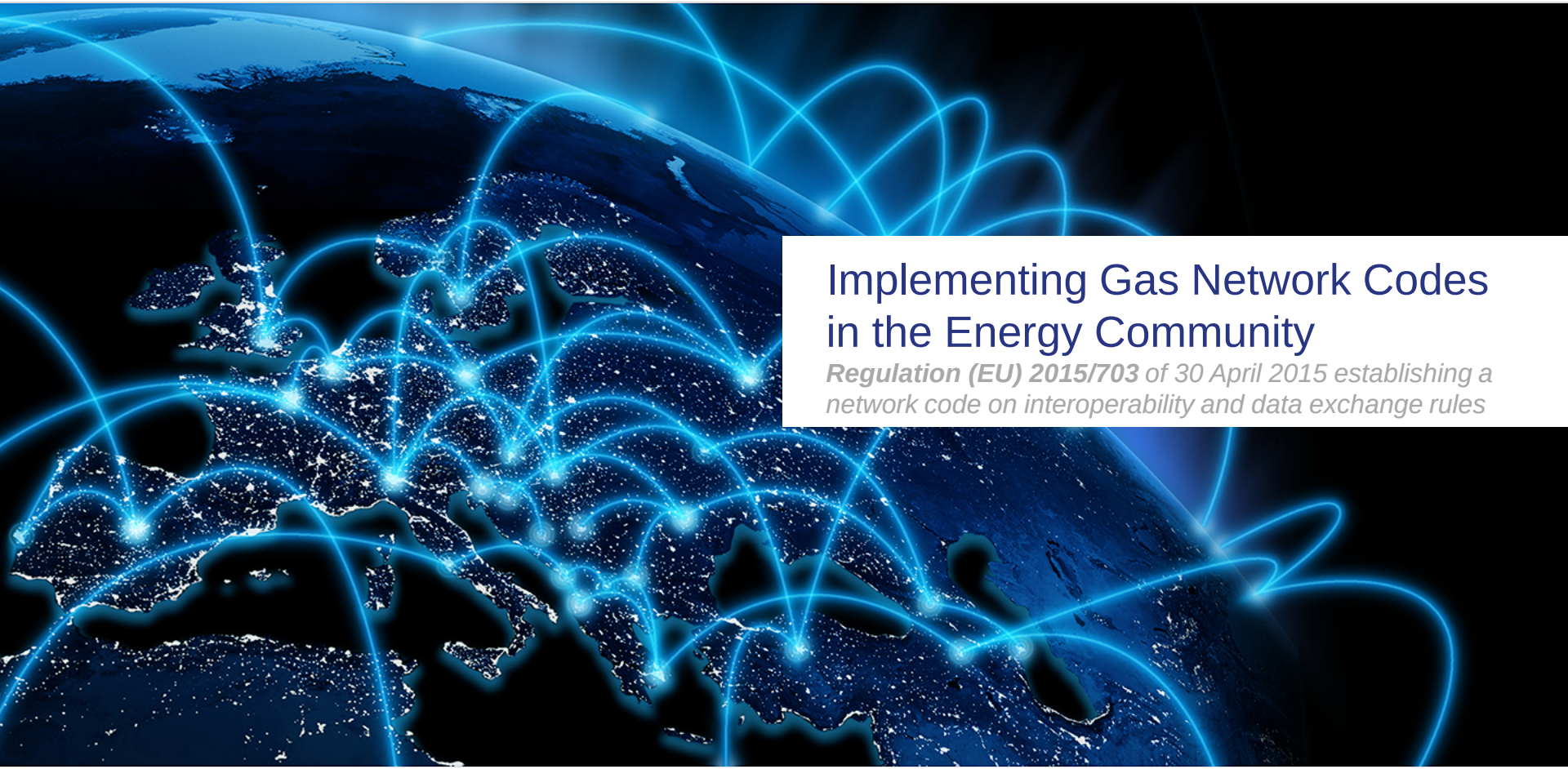


Implementing Gas Network Codes in the Energy Community

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

Outline

1. **Introduction**
   - CP-CP/MS-CP relevant IPs
   - ICAs status quo

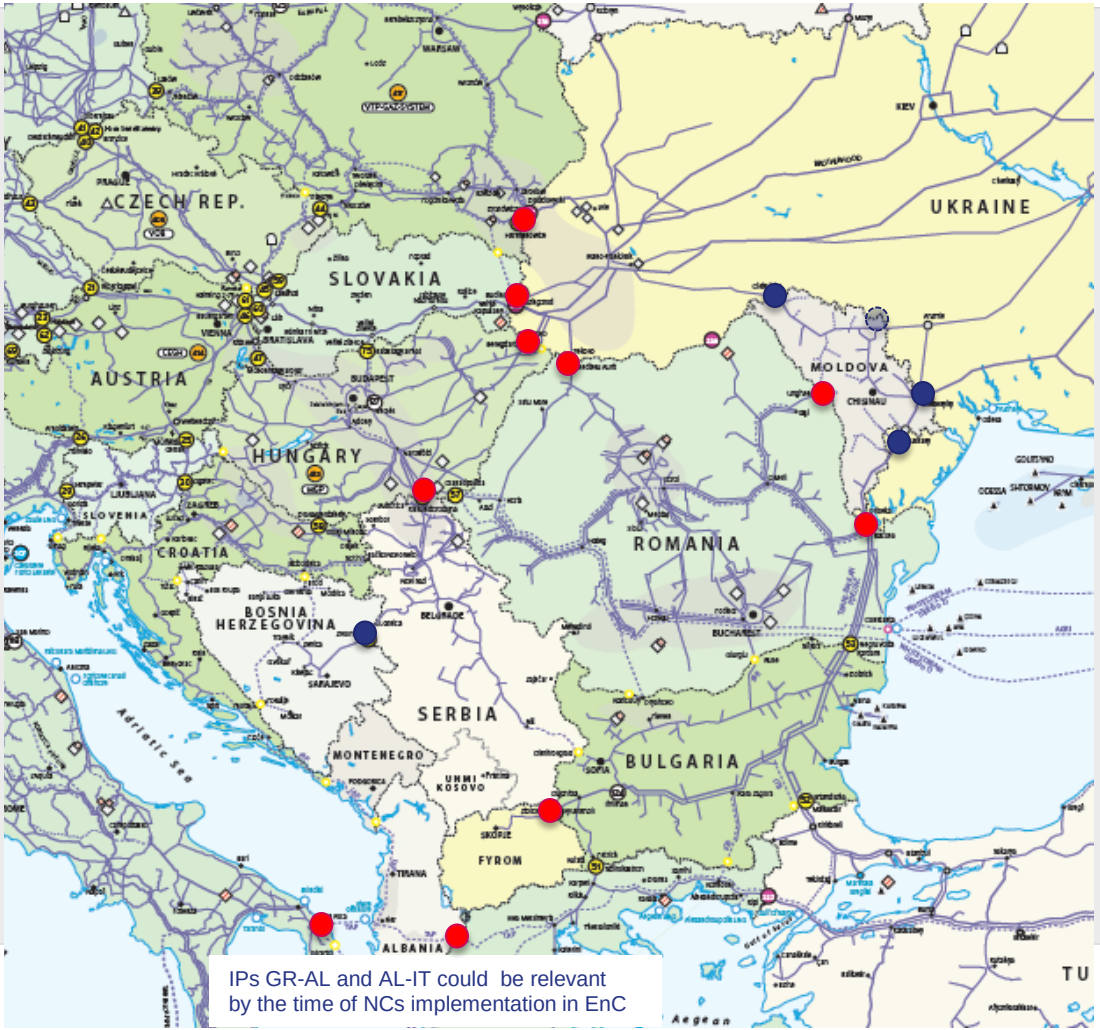
2. **Regulation (EU) 2015/703 in details**

3. **Way forward**

[1] Introduction$_1$ – 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¤	Oleksiivka·(UA)·/·Alekseevka·(MD)¤
17¤	GMS·Grebenyky·(UA)·/·Grebenyky·(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)¤



IPs GR-AL and AL-IT could be relevant by the time of NCs implementation in EnC

[1] Introduction$_2$ – 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 concluded ICA for T1; 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 Vestmoldtransgaz concluded TA for Iasi-Ungheni pipeline
7. **Hungary – Serbia:** Srbijagas has launched discussion with FGSZ on ICA (tbc)
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; ICA foreseen by the end of 2016 (within CESEC Action Plan 2.0)

[2] NC on interoperability and data exchange 1

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

[2] NC on interoperability and data exchange 2

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

[2] NC on interoperability and data exchange 3

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 (**publishing 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

•Future impact of gas quality standard EN16726:2015 (public discussion was open by 15 July)

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)
•Data exchange security (Art 22) goes in parallel with Art 21 and 23
•Art 24 imposing tasks to ENTSOG (to be defined by October 2016, will be relevant for EnC CPs)

[2] NC on interoperability and data exchange 4

Chapter VI Final provisions Art 25-26

Implementation monitoring – by ENTSOG? By ECS?

Entry into force

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.“

[3] Way forward

13:00 – 14:30	**NC on Interoperability and Data Exchange Rules** **Interconnection Agreements** Missing issues, reached agreements	**Ukraine, Poland, Slovakia, Hungary** TSOs, RAs	Regulation (EU) 703/2015 – adoption proposal
14:30 – 16:00	**NC on Interoperability and Data Exchange Rules** **Interconnection Agreements** Opening discussions, reached agreements	**Hungary, Serbia, Bosnia and Herzegovina** TSOs, RAs	Regulation (EU) 703/2015 – adoption proposal ENTSOG interconnection agreement template
16:00 - 17:30	**NC on Interoperability and Data Exchange Rules** **Interconnection Agreements** Opening discussions, reached agreements	**Ukraine, Moldova, Romania** TSOs, RAs	Regulation (EU) 703/2015 – adoption proposal ENTSOG interconnection agreement template
17:30 – 19:00	**NC on Interoperability and Data Exchange Rules** **Interconnection Agreements** Opening discussions, reached agreements	**Bulgaria, fYR of Macedonia** TSOs, RAs	Regulation (EU) 703/2015 – adoption proposal ENTSOG interconnection agreement template

Joint ENTSOG WS on NC INT on 19 October 2016; WG meeting on 20 October in Vienna (CAM in focus)

PHLG on 15 December 2016 – adaptation text with defined deadlines

ICA negotiations

Thank you
for your attention!

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