

Electricity Market Integration in SEE from TSOs perspective

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Energy Market Integration and Transition in SE Europe
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SEE needs: gaps and challenges

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Progress towards MI–Road Map (review)

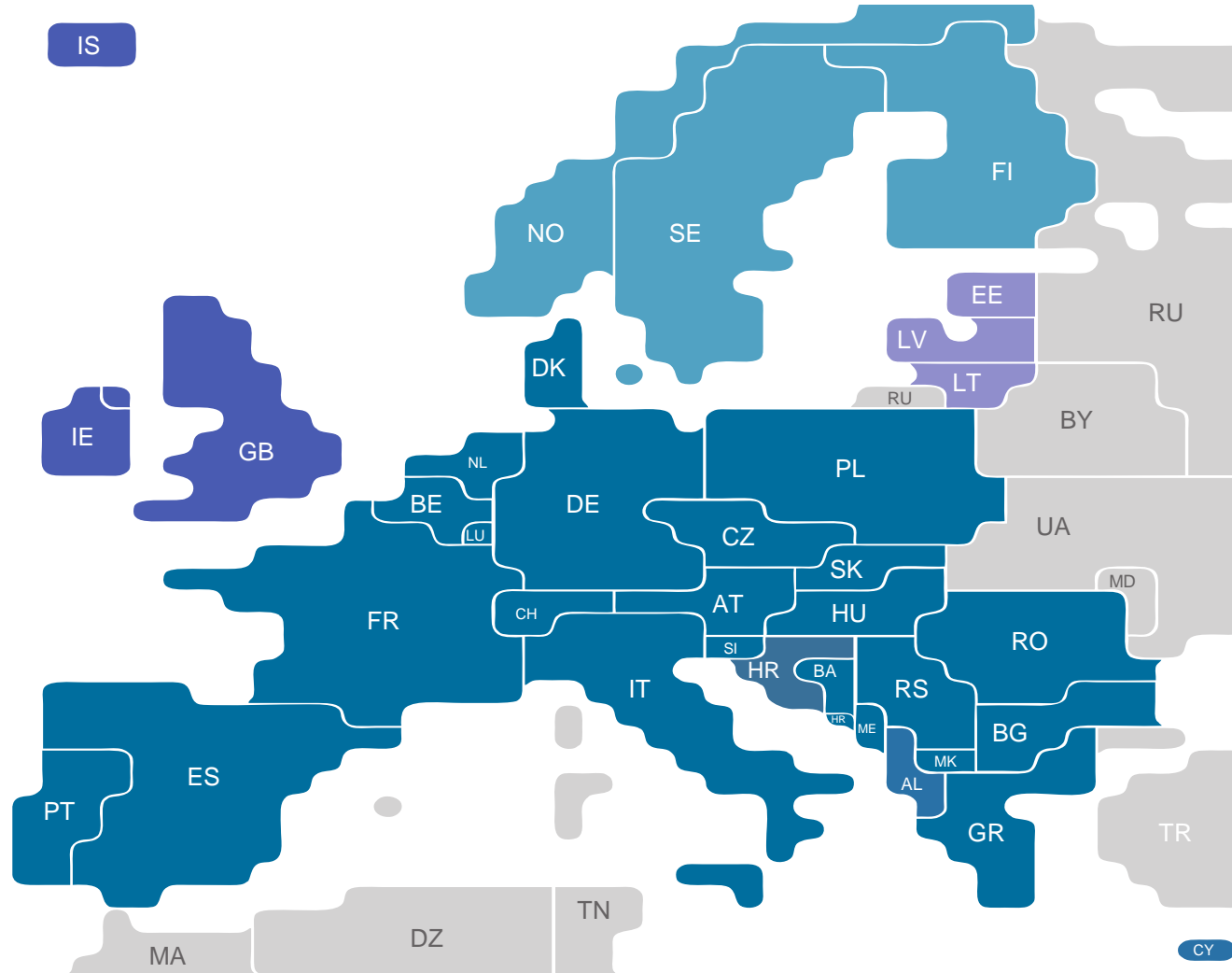
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Next Steps – Way Forward

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Q&A

ENTSO-E – pan-European TSOs Association

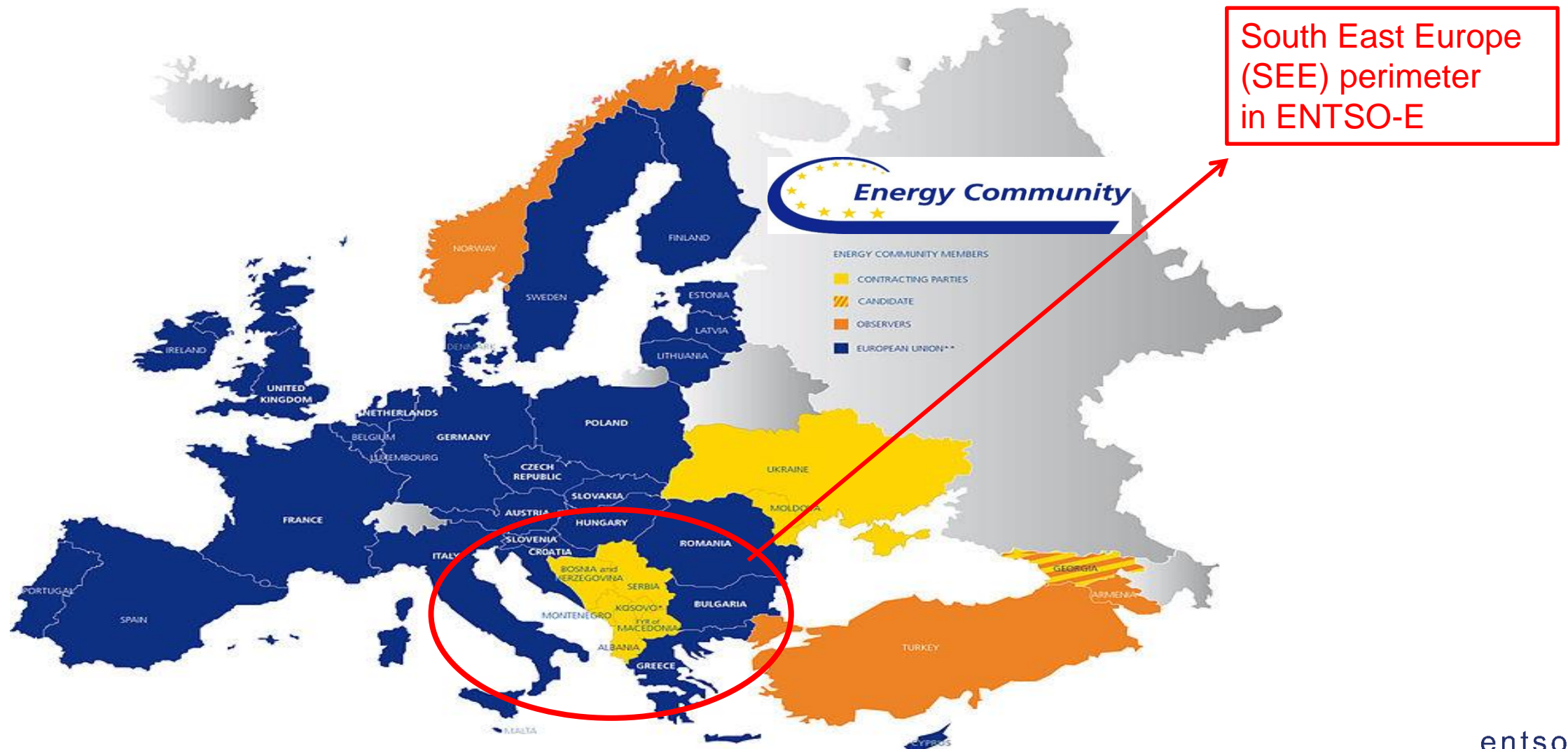


- 43 member TSOs from 36 countries
- 5 synchronous areas (represented by different colours on the figure left)
- Most of the ENTSO-E organisational elements (such as committies – SO, SD, Market, RDIC, LRG) are at association level, but there are several also at the regional levels

SEE needs

Gaps and challenges

SEE in European Union and Energy Community (EnC)



* This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo declaration of independence.

Key Messages on Transmission Infrastructure Development in SEE Region

The main challenges and drivers of transmission grid development in the region are:

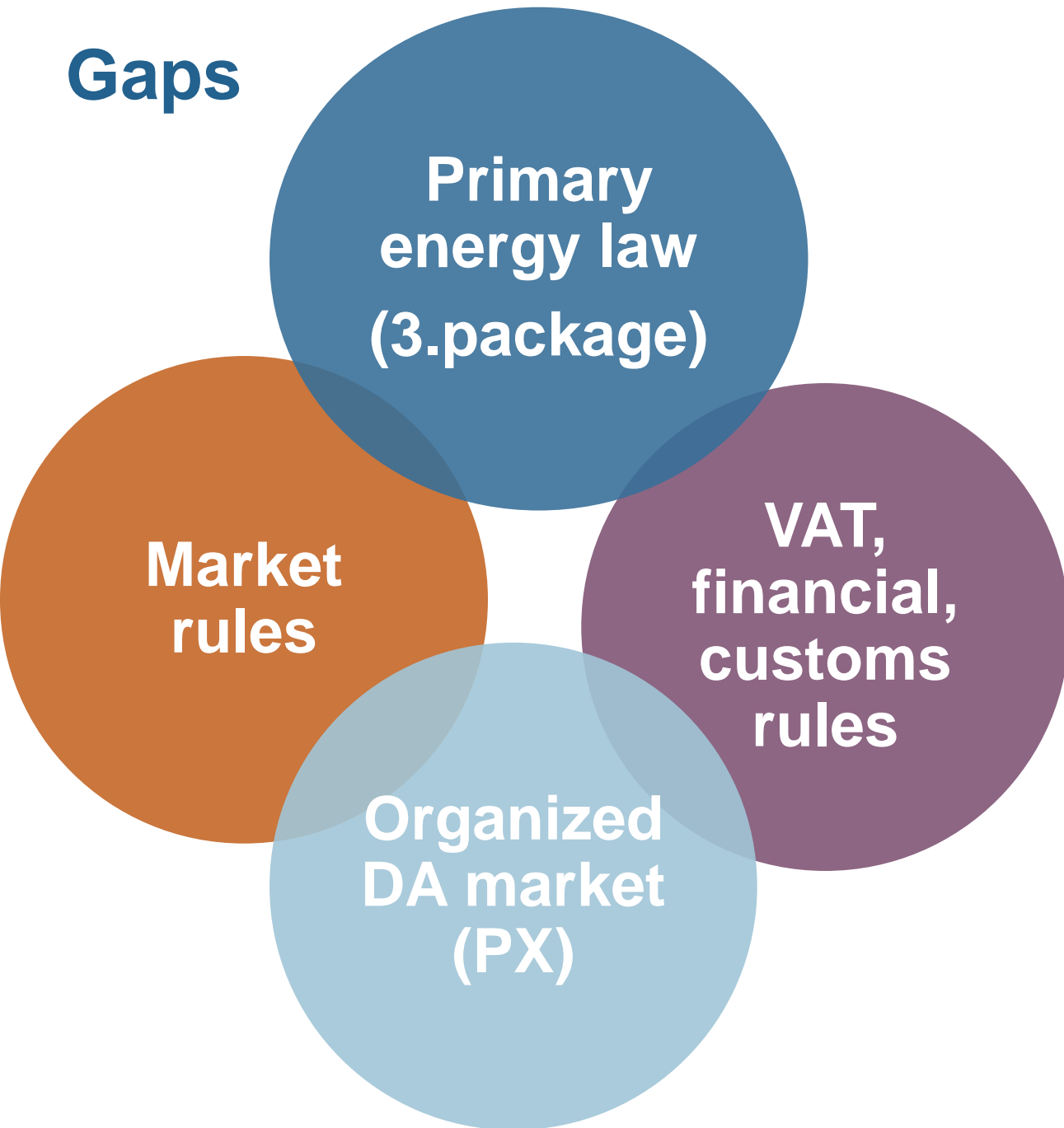
- Increase of Transfer Capacities (cross-border and internal alike) as a prerequisite for Market Integration facilitation.
- Massive RES integration in order to achieve EU and national targets.
- Flexibility needs, especially for the countries with the highest RES penetration in the region.
- Extensions of ENTSO-E system to the East and South.

These challenges are reflected in the planned projects and confirmed by the system needs identified by 2040.



ENTSO-E Regional Group
Continental South East:(CSE)
for System Development :
AL, BA, BG, HR, CY, GR, HU, IT, ME,
MK, RO, RS and SI.

Gaps



SEE countries with different legal obligations (EU and non-EU)

SEE countries with different level of allingment of market rules (NC&GL)

SEE countries with different level of harmonisation of other rules & laws

SEE countries in different stages of market development

- Ready for DA market coupling with feasible neighbours
- Completing remaining rules
- Establishing an organized DA market

Network Codes and Guidelines Transposition in EnC

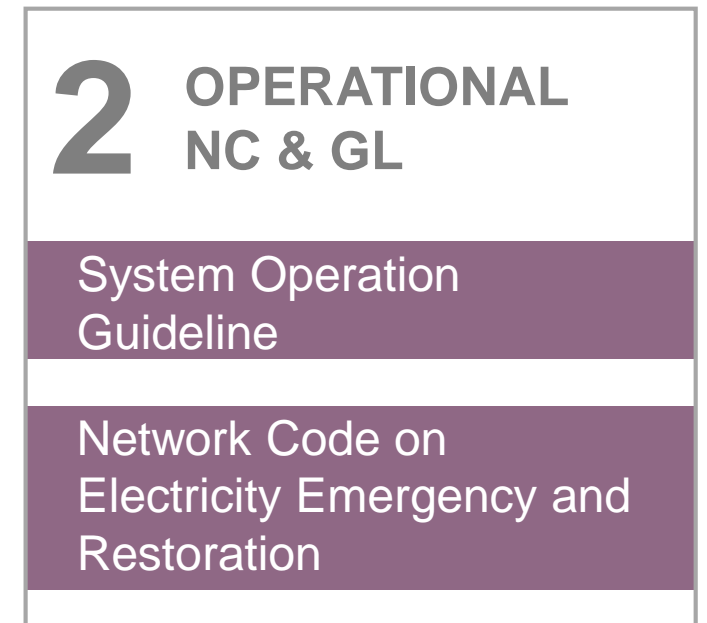
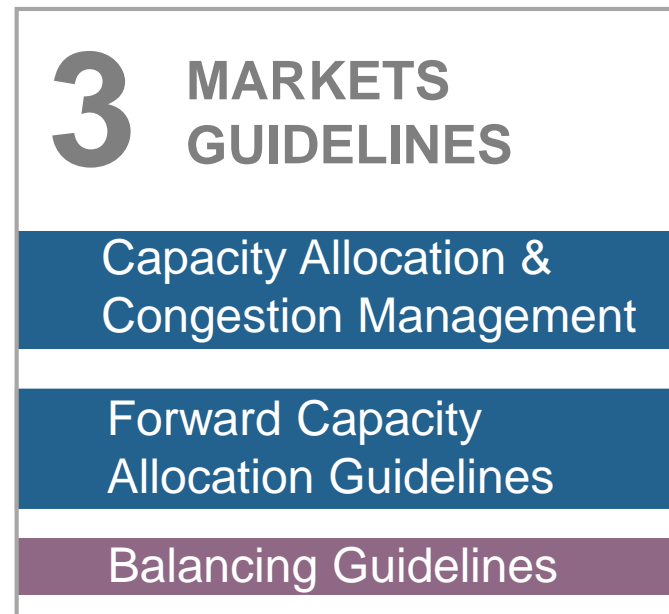
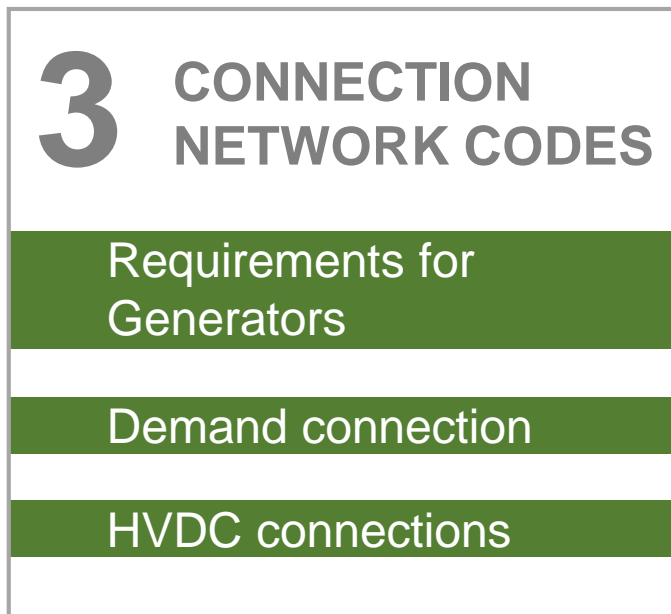
State of play

■ Adopted by PHLG (in addition adoption needed in CPs)

■ Not addressed yet by EnCS

■ Drafts under preparation in EnCS ?

Not yet shared with stakeholders



Progress towards market integration

Review of the Road Map from 2017 report
„Enhancing Market Coupling of SEE Region”

Tentative road map for DA coupling

Main Steps envisaged in 2017

- 
- Northern part of the region » 2-4 borders coupled

- 
- WB6 target » 6-8 borders coupled

- 
- Coupling of the remaining borders

Tentative road map for DA coupling comparison with notified DA MC projects (e.g. in WB6 and or CESECe)

SI-HR

HU/RO-RS

ME-RS; HR-HU

AL-KS; BG-RO

GR-IT; HR-RS

BG-FYROM; IT-ME

FYROM-RS; AL-ME

BG-GR; BiH-HR; BiH-RS

AL-FYROM; KS-RS;

FYROM-GR



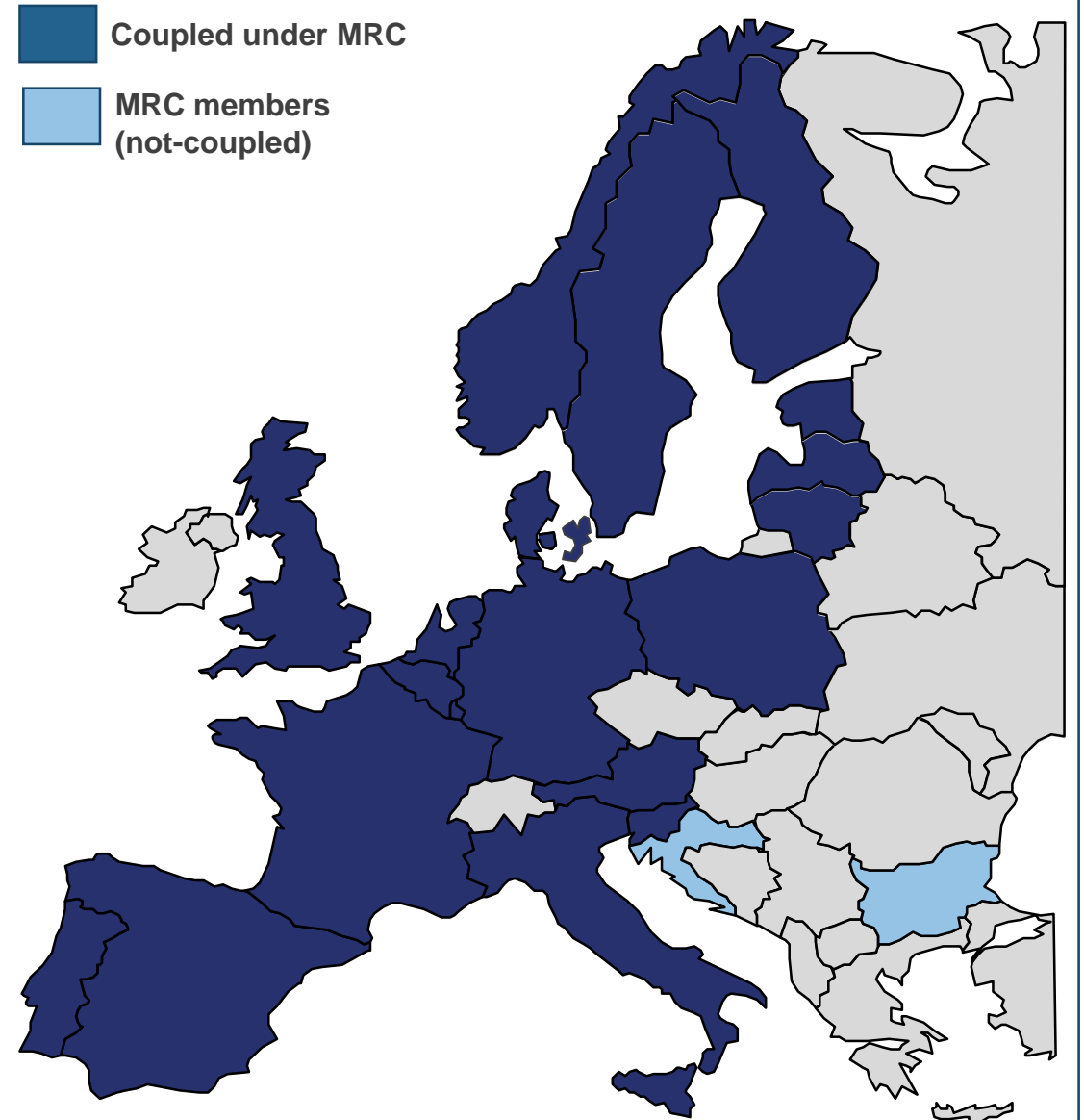
Day- Ahead

Multi Regional Coupling (MRC)

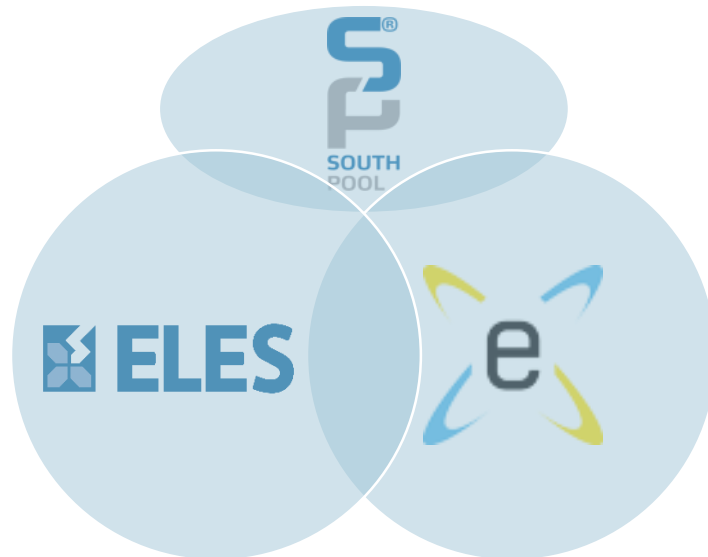
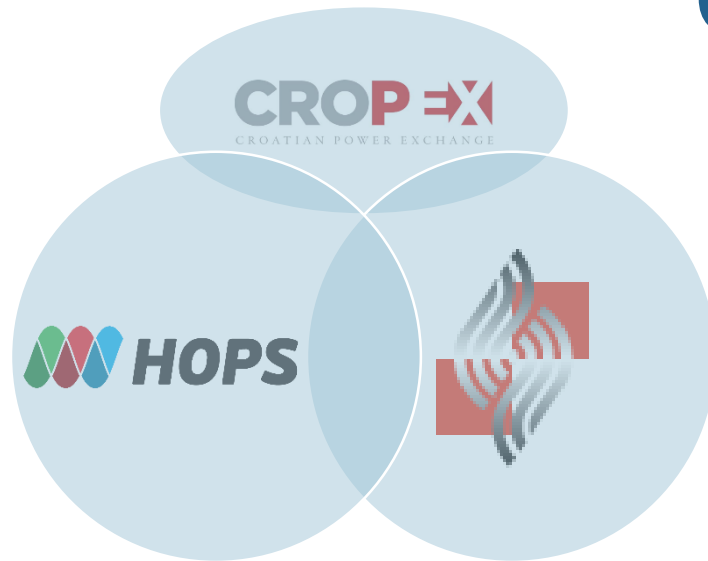
Scope: Operation and evolution of single Day Ahead Market Coupling (Single DA Solution)

TSOs: 50HERTZ, AFFARSVERKETSVENSKAKRAFTNAT, AMPRION, APG, AST, BRITNED, CREOS, ELERING, ELES, ELIA, ENERGINET.DK, FINGRID, LITGRID, NATIONAL GRID, PSE, REE, REN, RTE, STATNETT, TENNET B.V, TENNET GMBH, TERNA & TRANSNET

NEMOs (PXs): BSP, CROPEX, EPEX, GME, IBEX, Nordpool, OMIE & TGE



MRC Extension Project underway at the edge of SEE: Coupling of the HR & SI markets



DA project
under IBWT
regional
governance

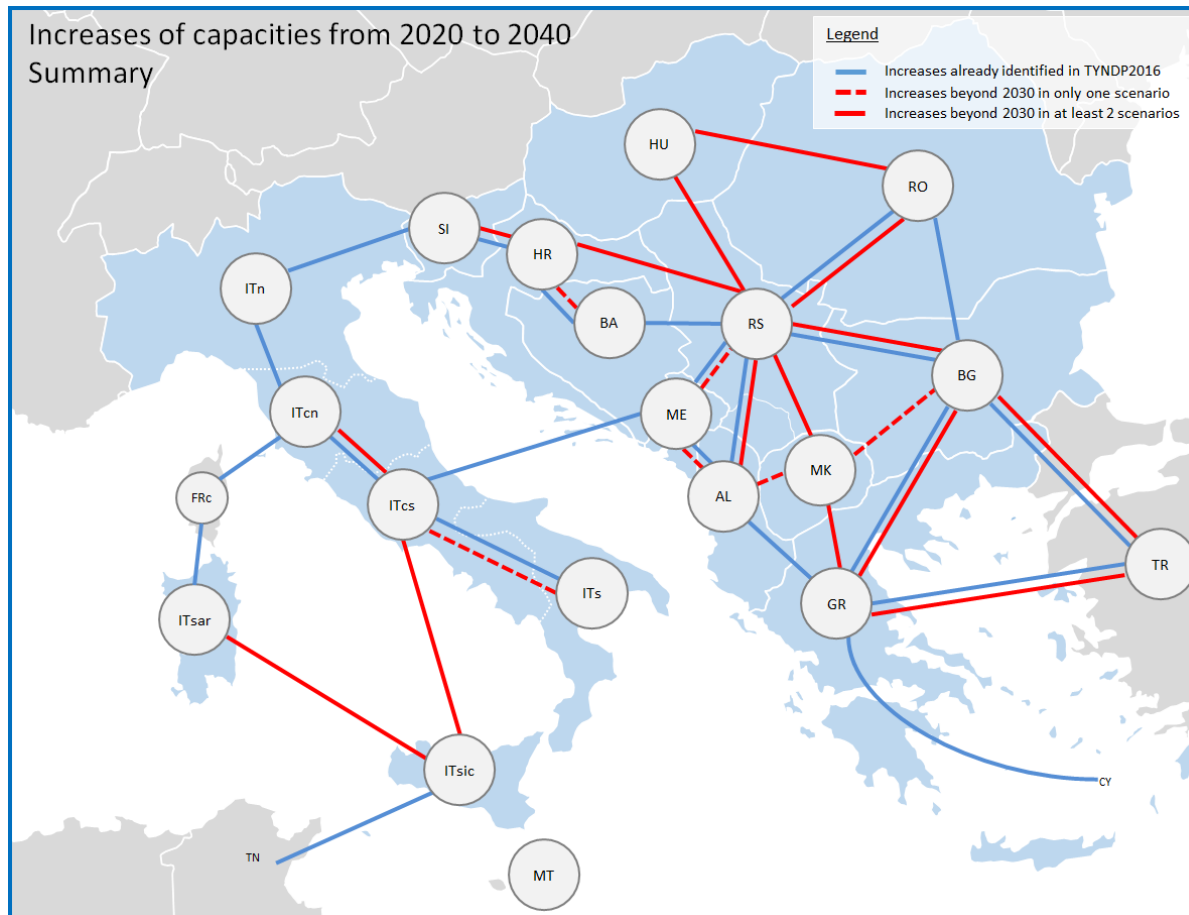
go live by
end of
Q2 2018

Next steps

Way forward in regional cooperation

Main Identified Infrastructure Needs

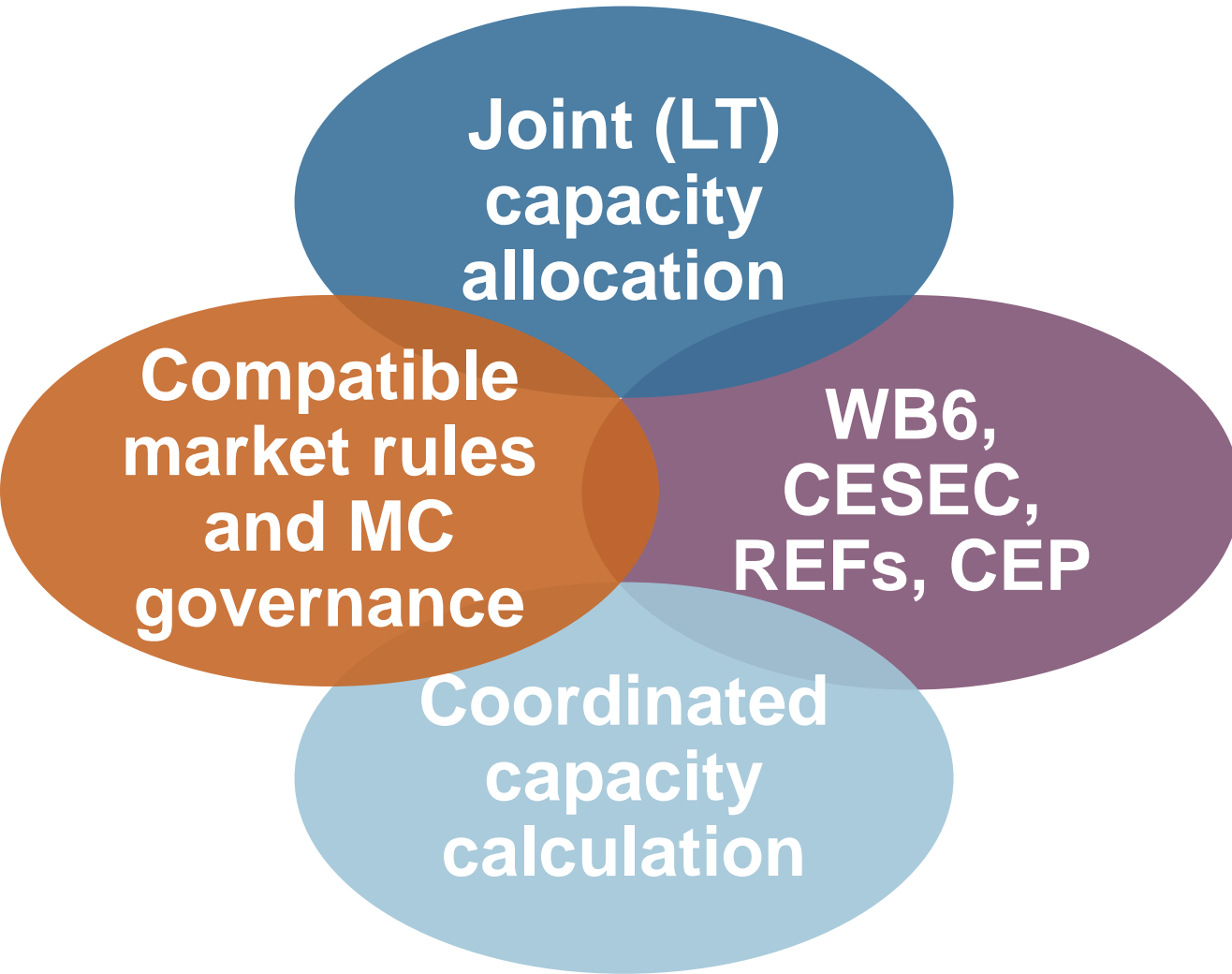
(in ENTSO-E Regional Investment Plan for SEE – a part of TYNDP)



Strengthen the E-W and N-S axis by increasing transfer capacities at the respective borders in order to:

- Cope with the assumed high RES penetration (e.g. in TR, RO and GR)
- Cope with high transit power flows (e.g. in RS)
- Support market integration in SEE Region and with neighbouring regions

Regional cooperation—drivers and challenges for way forward



- WB6 initiative - EnC
- CESEC-e (market, infrastructure, SoS) – EC
- Finalisation of CEP (Clean Energy Package) – EC & EP
- RGs and future REFs (Regional Energy Forum) – ENTSO-E

- Decentralized process of national/bilateral projects (with a close view on CACM)
- Contractual basis and operative governance (MRC model)

- Two auction offices provide services for (not yet all) SEE borders

- One of basic 5 RSC services (two RSCs likely to be involved)

SEE CCR – now and in the future

- Legal implementation of SEE CCR currently binding only for 3 EU TSOs
- Scope of the future CACM and FCA implementation
- Preparation for voluntary implementation underway in the framework of WB6



- Future SEE CCR („*SEE Shadow region*”) according to „all –TSOs” proposal for CCRs from 2015 (Annex 1 to Explanatory document)
- Includes EU SEE CCR , non-EU (WB6) and EU/non-EU bidding zone borders (with 3 additional EU TSOs)

Q&A

THANK YOU FOR YOUR ATTENTION

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