EBGL IMPLEMENTATION ORGANIZATION
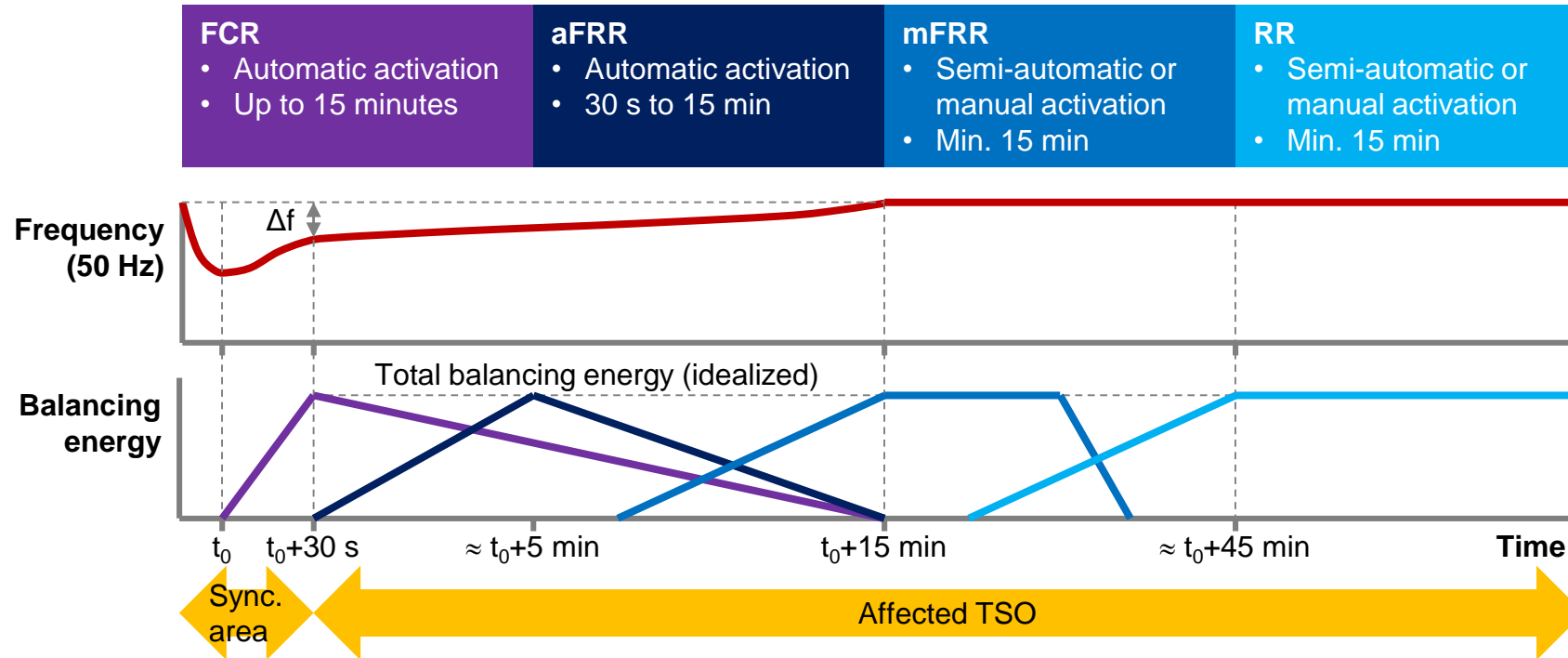
Kjell Barmsnes, Convenor WG AS, ENTSO-E

BSG Meeting

7 June 2017

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Balancing Qualities

- Balancing qualities according to activation time (without imbalance netting)

» Balancing is organized in up to five steps (FCR, IN, aFRR, mFRR and optional RR) in Europe

» Platforms coordinating the (complex) processes of each balancing quality required

Timelines

Obligations	2017				2018				2019				2020				2021				2022				2023			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
RR TERRE			★		Impl Framework EIF+6m					RR EU Platform EIF+2yrs							TSO Join Derogation +2yrs											
Imb. Netting IGCC			★		Impl Framework EIF+6m					IN EU Platform EIF+2yrs							TSO Join Derogation +2yrs											
mFRR mFRR project		4.9.	★★			Impl Framework EIF+1yr												FRR EU Platform EIF+4yrs							TSO Join Derogation +2yrs			
aFRR aFRR project						Impl Framework EIF+1yr												FRR EU Platform EIF+4yrs							TSO Join Derogation +2yrs			
Imbalance Settlement						Harmonised Proposal EIF+1yrs								ISP & Proposal Impl EIF+3yrs							ISP Derogation +2yrs-4yrs							
TSO Proposals						Pricing EIF+1yr				CZC Alloc EIF+2yrs												CZC Harm EIF+5yrs						
General Compliance						EIF+1yr				Pub Info EIF+2yr																		

Entry into Force

★ Consultation ★ IG Meeting ★ Stakeholder Meeting

Key: Proposal | Deadline | Derogation

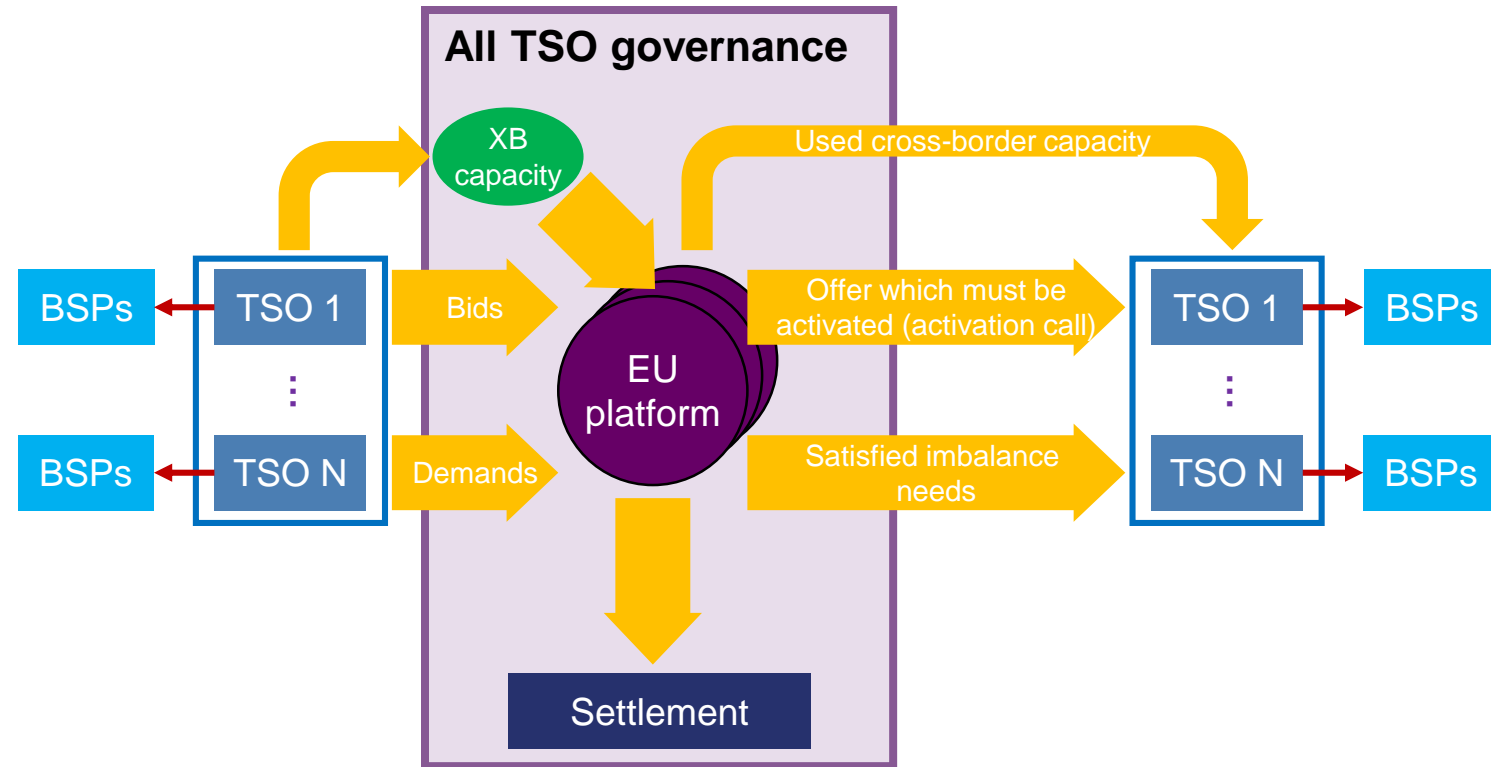entsoe
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Timelines with consultations

EBGL All/relevant TSOs and ENTSO-E tasks	2017				2018												
	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
ENTSO-E to update manual procedures of Transparency Regulation																
Proposal for activation purposes												w				
Each TSO to propose T&Cs for BSPs and BRPs																
Proposal for pricing method for all products												w				
Proposal for TSO-TSO settlement of intended exchanges of energy																
Proposal for TSO-TSO settlement of settlement of ramps and FCR and unintended exchanges within and between SA																
Proposal for harmonisation of certain features of imbalance calculation & pricing												w				
Cross Border Capacity Allocation																
ENTSO-E monitoring plan																
Proposal for implementation framework for European platform for replacement reserves										w						
Proposal for implementation framework for European platform for frequency restoration reserves with manual activation										w						
Proposal for implementation framework for European platform for frequency restoration reserves with automatic activation										w						
Proposal for implementation framework for European platform for imbalance netting								w								

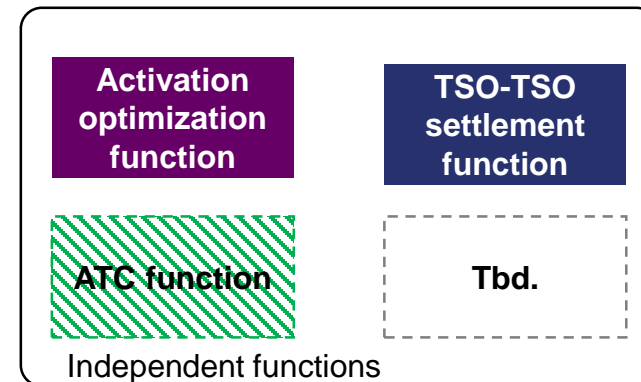■ Drafting   w Workshop   ■ Consultation

European Platforms

- European platform coordinates balancing energy activation requests of TSOs.

- As a TSO-TSO model is applied, activation requests and communication with national BSPs remains local.

- European platform comprises independent functions closely interacting with different (local) IT systems.

» Platform describes business processes on European level supported by different functions potentially performed by different IT systems.

All TSO governance

XB capacity

Used cross-border capacity

EU platform

BSPs ← TSO 1 — Bids → ... → TSO N — Demands

Offer which must be activated (activation call) → TSO 1 → BSPs

Satisfied imbalance needs → TSO N → BSPs

Settlement

European processes

Activation optimization function	TSO-TSO settlement function
ATC function	Tbd.

Independent functions

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ENTSO-E Project Teams and TSOs implementation projects

All TSOs via ENTSO-E Project Teams

- Implementation Frameworks for
  - Imbalance Netting
  - aFRR
  - mFRR
  - RR
- Settlement TSO TSO, TSO BSP, TSO BRP
- Cross Border Capacity Allocation
- Reporting
- Activation purposes
- CBA

TSOs implementation projects

Implementation Projects for
- Imbalance Netting - IGCC
- aFRR - ?
- mFRR - ?
- RR - TERRE

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