



System services market in Austria/APG

Alexander Stimmer

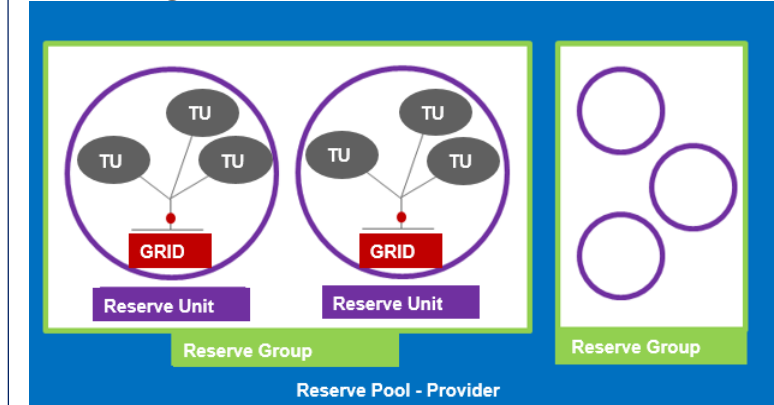


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Important steps to future proof market conditions

- Very open **prequalification conditions**:
 - No size limit for technical entities
 - Pooling over balance groups within the LFC Block
 - No general exclusion of technologies
 - Simplified process for enlargement of existing pools
- Consideration of possible higher energy absorption in case of activation of negative reserve in the **tariff** (lower costs for BSPs – e.g. for P2H units)
- Detailed **monitoring** concept
 - Online values only for the pool/group
 - Archive for unit based values for spot checks

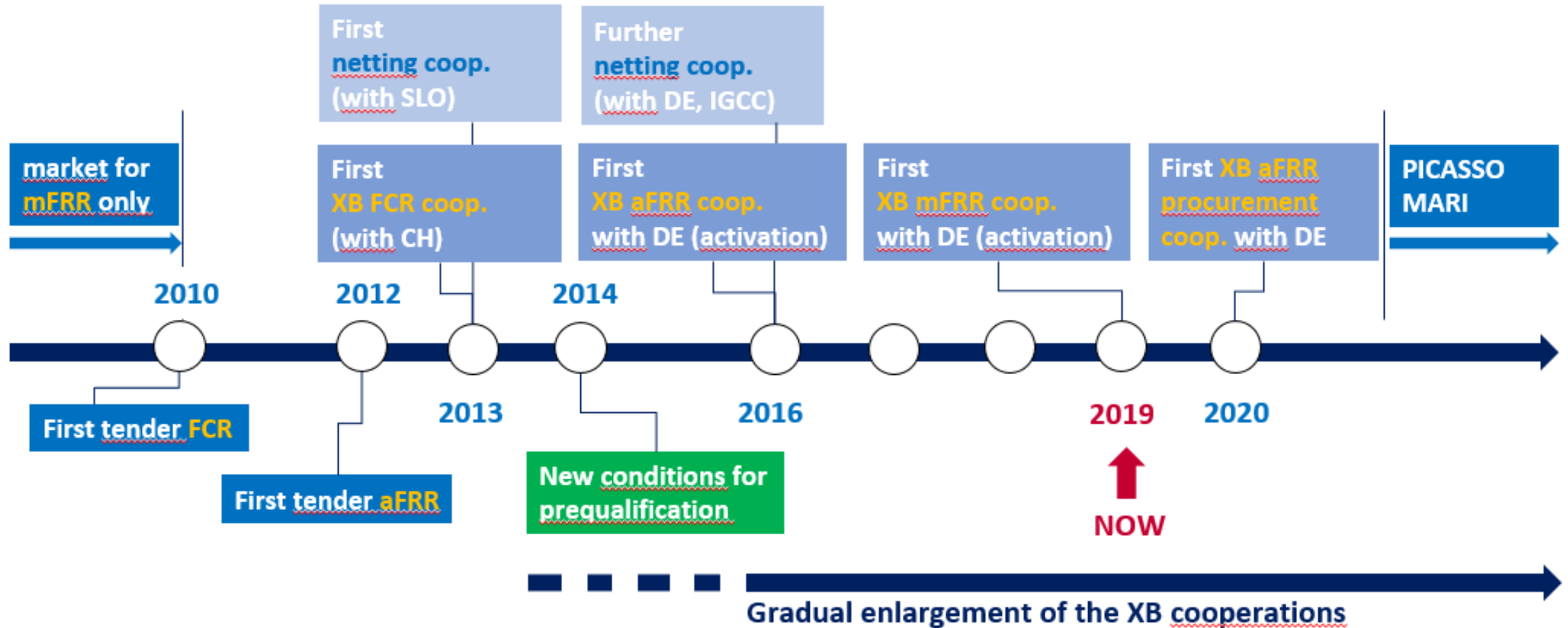
Pooling concept



Monitoring



Development of the market for control services



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Further market adaptations over the last years

→ improved conditions for the market:

- More frequent tendering + shorter product length + small minimum offer

Reserve type	Frequency of tender	Product length	Minimum offer
FCR	daily	24 hours	1 MW
aFRR	daily	4 hours	1 MW
mFRR	daily	4 hours	1 MW

- Several modifications of market rules triggered by
 - Experiences with market participants and their behaviour
 - Adaptations of the market rules of the cooperation partners

Market Participants (BSPs) 2019

BSPs	FCR	aFRR	mFRR
A1 Telekom Austria AG		x	x
e2m-Energiehandel GmbH			x
Energie AG Oberösterreich Kraftwerke GmbH	x	x	
EVN AG	x	x	x
GEN-I Vienna GmbH			x
KELAG-Kärntner Elektrizitäts-Aktiengesellschaft	x	x	x
Lechwerke AG		x	x
Linz Strom GmbH			x
Next Kraftwerke GmbH		x	x
Norske Skog Bruck GmbH*			
ÖBB-Infrastruktur AG		x	x
TIWAG-Tiroler Wasserkraft AG	x	x	x
Salzburg AG für Energie, Verkehr und Telekommunikation	x	x	x
VERBUND Solutions GmbH		x	x
VERBUND Trading AG	x	x	x
illwerke vkw AG		x	x
Wien Energie GmbH		x	x

Technologies:

- Conventional Generators
- P2H units
- Cooling units / fans
- Batteries
- Wind generators
- Emergency power diesel
- Industrial sites
- Mills
- Waste incineration
- Snow cannons
- Heat Pumps
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