

Products, Balancing Gate Closure Time and Roles of BSP, BRP and TSO

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Jimmy BOURDREL – RTE & Markus STOBRAWE - AMPRION

Disclaimer: Presentation based on the draft version

1.30 of NC EB



Reliable Sustainable Connected

Result of Public Consultation

55 comments were received on the article on Products. The main concerns are:

- 1 Improve clarity between standard & specific products. Standard should be used first and specific exceptionally
- 2 Foster to share specific products
- 3 Earlier definition of standard products
- 4 Additional characteristics to foster large participation of bids

Preliminary answers to the consultation results



- **Add new characteristic on standard product in order to allow participation of bids which need recovery period. Reword other characteristics in order to be more clear.**
- **Better clarity and improvement of references to LFCR network code on the matter of respecting technical requirement.**
- **Precise that standard product should allow participation of agregators as well as conventional units**
- **Precise that the definition of specific products should be the exception and should be shared when possible (system security is not compromised)**
- **On the other side, code do not take into account**
 - **Reduction of timeframe to define standard product as well as the definition of a first set of standard products in the code**
 - **Introduce a "reliability" characteristic ... Bids have to be firm for a secure system operation**



TSO to balance the system

Standard products

ENTSO-E wide Defined

Respect LFCR & DFD requirements

Characteristics fixed or by range

Should be preferably used

Shared within a CoBA

If does not match with all needs
OR
does not allow wide resources participation

Specific products

TSO Defined

Use as an exception

Shared only if SoS is not
compromised

Possible to converted by the TSO

Reserve and Energy Products



Standard Products

1- Request time

Basic criteria

2- Preparation period

3- Ramping period

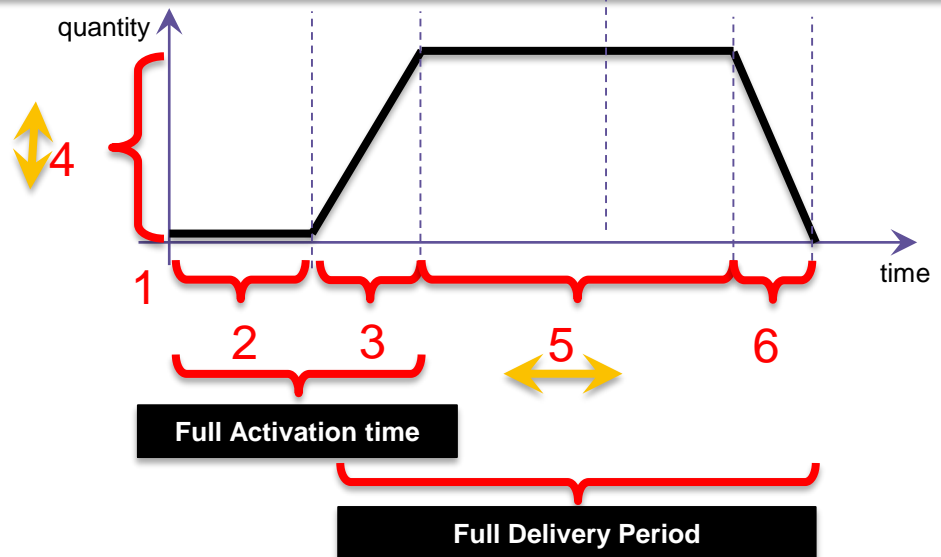
4- Min & max quantity

5- Min & max delivery period

6- Deactivation period

7- Time to recover

Structure of standard balancing product



Additional criteria / information

Mode of activation

Divisibility

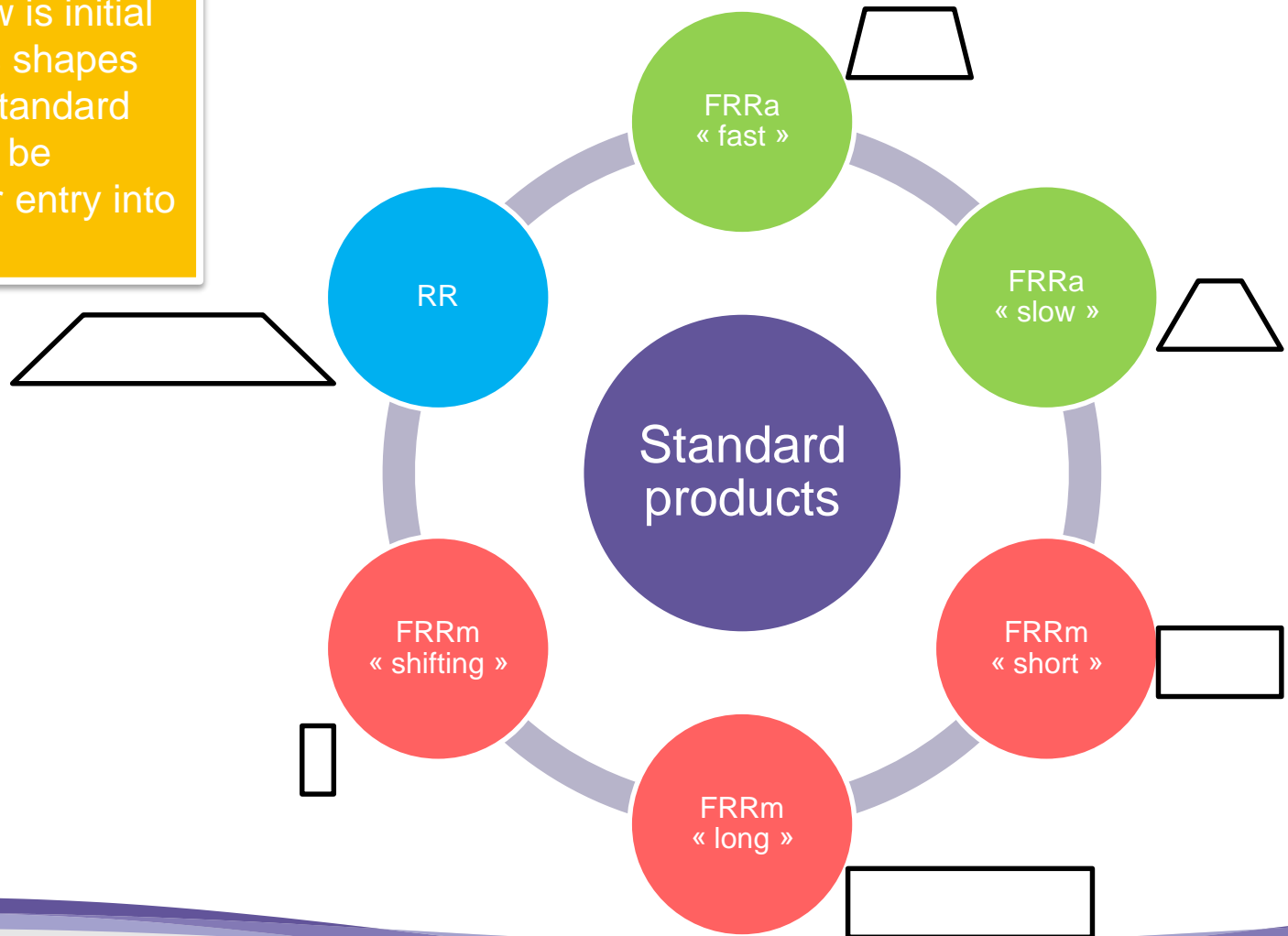
Location

Validity period

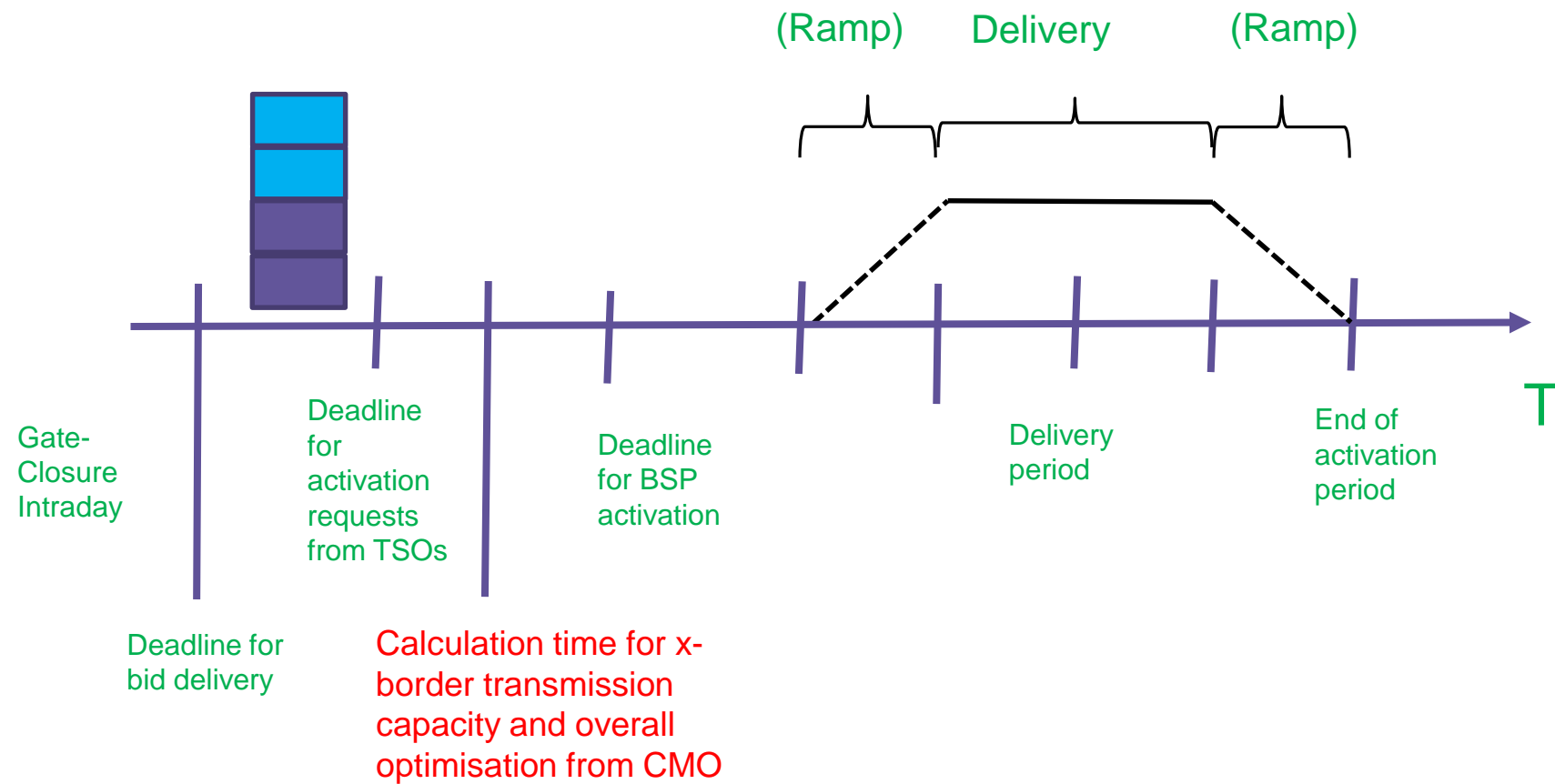
Price of the Bid

Reserve and Energy Products ... first ENTSOE shape thinking

Warning : not binding for ENTSOE ... this draw is initial thoughts on products shapes towards the goal of standard products definition to be delivered 1 year after entry into force of the code


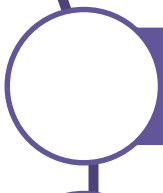




General Process Overview



Result of Public Consultation

37 comments were received on the article on Gate Closure Time and Firmness. The main concerns are:

-  **The definitions for Gate Closure Times are not clear and consistent**
-  **Gate Closure Times shall be as close as possible to real time**
-  **Gate Closure Times should be harmonized for all of Europe or at least on CoBA level**
-  **Consistency with the Intraday Cross Zonal Gate Closure Time should be ensured**

Preliminary answers to the consultation results



- **Introduction of definition of Balancing Energy Gate Closure Time**
- **Precise that this gate closure time should be defined and harmonised at CoBA level ant at least for FRRm and RR products.**
- **Precise what is possible and mandatory before and after Balancing Energy Gate Closure Time for all market parties.**

Balancing Gate closure time ...



What for

No overlap
between BAL & ID
for RR and FRRm

- Sequence is first Intraday then balancing
- Cross-Zonal transmission capacity allocation and handover needs to be ensured
- Intraday Cross Zonal Gate Closure Time should be the same within a CoBA in order to avoid distortion in the local markets
- Overlap between BAL and ID could be possible for FRRa
- Exemption for CDS : could be possible between Integrated Scheduling Process Gate Closure Time

Warning

Security of Supply

- Ensure sufficient time for all Transmission System Operators of a Coordinated Balancing Area to perform all processes linked to the Activation of Balancing Energy Bids
- Ensure sufficient time for common processing of Balancing Energy Bids
- From Network Code CACM: BAL max. 1 hour before beginning of market time period

Consequences

Rules for update of
Bids and position

- At least until Cross Zonal Intraday GCT
- Longer under approbation of the TSO (rules to be defined)
- Impossible after activation except in case of unexpected unavailable volumes
- "firm" bids are needed to operate the optimisation function (should be agreed by TSOs in the CoBA)

Result of Public Consultation

53 comments were received on the article on Roles of BRP, BSP. The main concerns are:

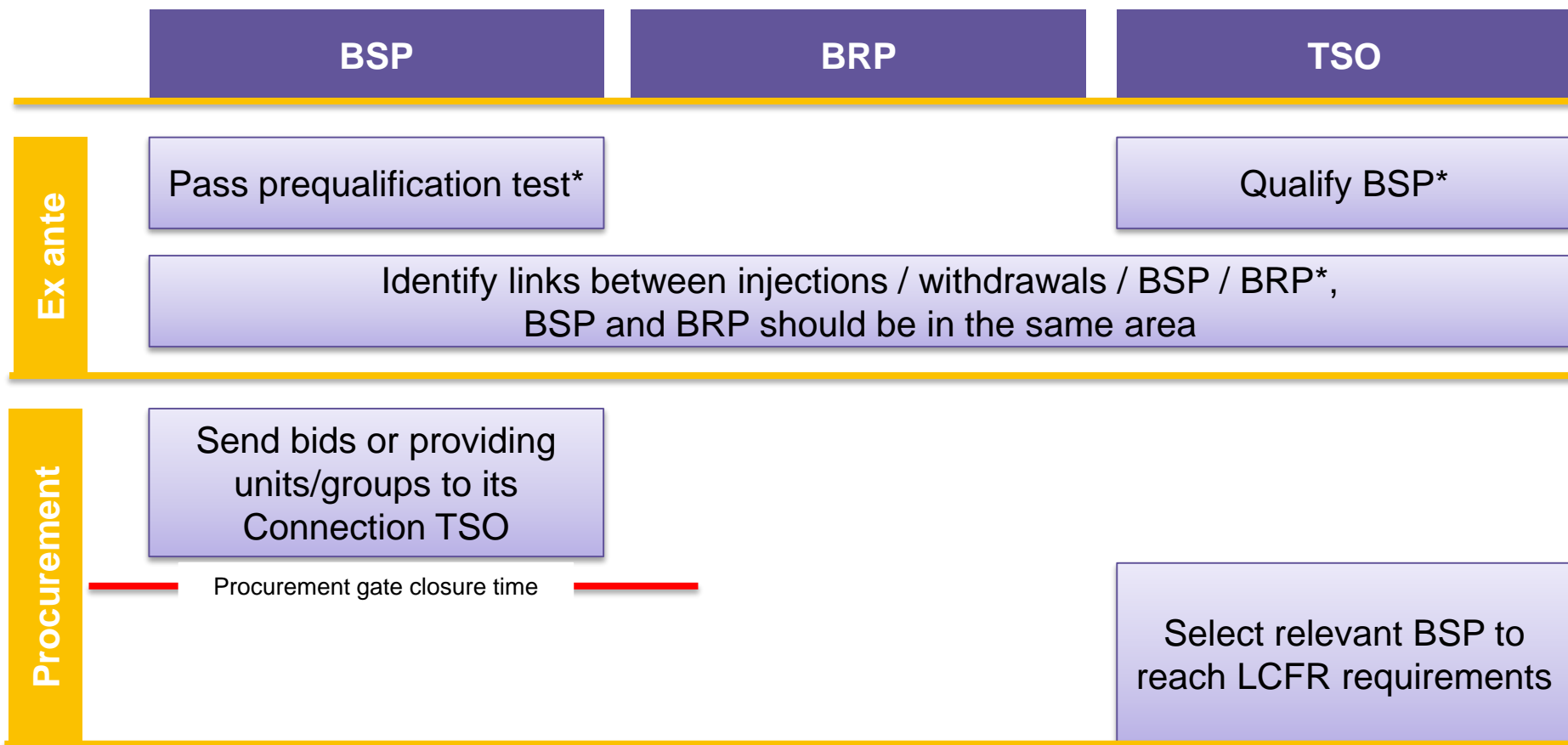
- 1 Association BSP-BRP should be more open (1 to n, identification method)
- 2 Better clarity for bids submission : when and to whom
- 3 Better clarity for activation of bids
- 4 Improve targets on BRPs and better clarity for possibilities to modify positions

Preliminary answers to the consultation results



- **Ensure consistency in the whole code for identification between BSP and BRP, in order to allow several methods for the identification and allow a BSP to impact more than 1 BRP.**
- **Improve clarity on the matter of bid submission : what is mandatory / what is possible / what are the deadlines for bid submissions**
- **Introduce exemption to offer to the connection TSO in case BSP TSO model is applied**
- **Introduction of the possibility to delegate role of accounting to a third party**
- **Improve clarity of what is expected from BRP**

Roles of BRP, BSP and TSO to manage the system balance (1/3)



Roles of BRP, BSP and TSO to manage the system balance (2/3)

	BSP	BRP	TSO
Intraday	<div>Is allowed to perform transfer reserves to another BSP* subject to TSO approval</div> <div>Offers energy bids from contracted reserves</div> <div>Offers additional non contracted energy bids</div>	<div>Balance its position OR Help the system to be balanced*</div>	
Balancing	<div>Able to modify bids subject to TSO approval*</div> <div>Deliver energy from bids requested by TSO</div>	<div>Balancing Energy Gate Closure Time</div> <div>Able to modify position subject to TSO approval*</div>	<div>Send bids and volumes requested to the CMO for operation of optimisation function</div> <div>Use bids, balance the system</div>

Roles of BRP, BSP and TSO to manage the system balance (3/3)

	BSP	BRP	TSO
Settlement		Financially responsible for imbalances	Balancing Energy and Capacity to be settled*
			Imbalance calculation*
			Perform settlement with <ul style="list-style-type: none">- Other TSO,- BSPs,- BRPs
			Penalties*

Thanks for your attention