

TERRE

*Trans European
Replacement Reserves
Exchange*

ENTSO E BSG meeting

07th December 2017

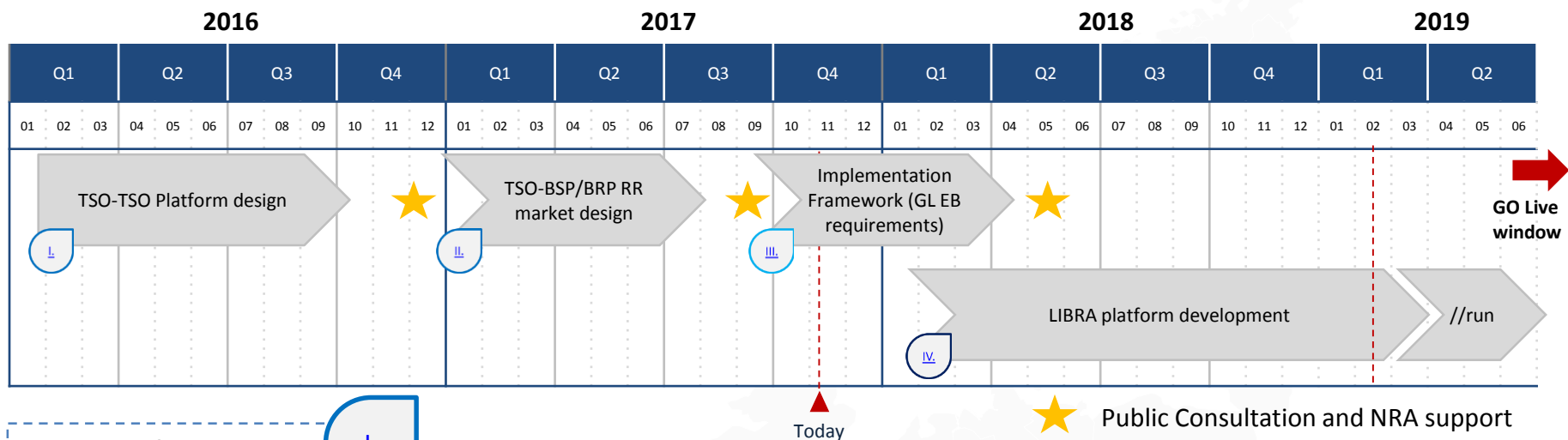




Introduction and Project current state

Project

Current status



TSO-TSO design:

- CBA
- Definition of the product
- Imbalance need
- Central Dispatch
- Unshared and Restricted bids
- Algorithm
- Settlement
- Timings

RR market design

- TSO-TSO model
- TSO-BSP/BRP model
- Accepted RR Product
- Harmonisation of incentives/settlement rules/deviations
- BEGCT definition
- Transparency regulation

Implementation Framework

- Involvement of all RR countries into discussion
- LIBRA TSO-TSO rules and desing
- RR market rules and design
- Governance and cost-sharing rules

Development of the LIBRA platform

- Functional design
- Development main modules LIBRA
- Testing (IOP and E2E)
- Contracting of services

Project

Geographical scope




Participants

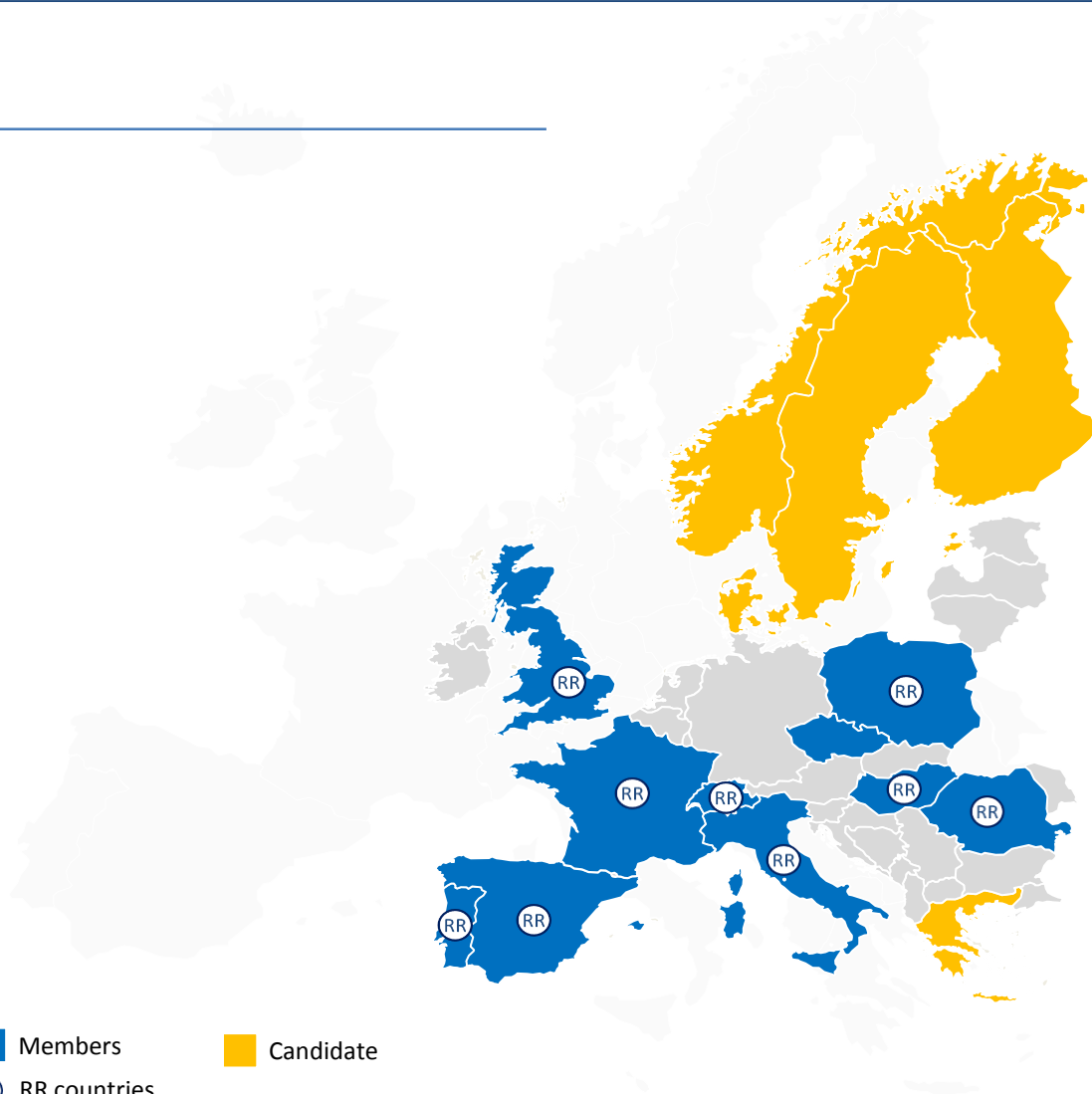
Membres:

- France (Rte) 
- Italie (Terna) 
- Portugal (REN) 
- Espagne (RED) 
- Suisse (Swissgrid) 
- GB (National Grid) 
- République Tchèque 
- Roumanie 
- Pologne 
- Hongrie 

Ongoing:

- Grèce 
- Norvège 
Statnett
Fremtiden er elektrisk
- Suède 
SVENSKA
KRAFTNÄT
- Finlande 
- Danemark 

-  Membres
-  Candidate
-  RR countries





Implementation Framework

RR Market

Implementation Framework-Planning



General planning – NRAs support






RR Market

Implementation Framework-Content

Overview content following GLEB – NRAs support

Content defined in EBGL
High level design of the platform
Roadmap and timelines for implementation
Definition of the functions required to operate the platform
<i>Rules for governance and operation of entity operating the platform and Proposed appointed entity</i>
<i>Cost sharing principles</i>
<i>Framework for harmonization of terms and conditions</i>
<i>BEGCT</i> 
<i>TSO-TSO GCT</i> 
Standard product
CMOL (LIBRA PF)
Description of the algorithm for the activation optimization (LIBRA PF)
TSO answer to stakeholders' responses to the IF Consultation

-  Partially treated by the TERRE consultation phases
-  Already tackled by the TERRE consultation phases
-  Target : March 2018



Description and last developments

Lot B1



Optimization/Clearing algorithm

- Optimization of the bids using CMOL
- Optimization of the available CZ interconnections

Lot B2



IT interface/data management

- Interface scalable up to 50 TSOs

Lot C



Hosting

- External party will be contracted for hosting the LIBRA activities
- Flexibility on changing the hosting party towards other suppliers or TSOs
- Flexibility on upgrading the hardware following future demand

Lot D



IT monitoring service

- Monitoring of the Optimization module initially 24/7, with the possibility to decrease to 8/7 after the // run
- Monitoring of the IT interface: 24/7
- SLAs and contracting in case of failure

Lot E



Financial Settlement

- Financial settlement externally contracted
- Monthly billing system between TSOs through a centralized clearing house
- Flexibility to add new TSOs

Lot F

TESTING



Thanks for your attention