

ENTSO-E BIDDING ZONE TECHNICAL REPORT

15/10/2018



Regular Reporting on Bidding Zone Configuration
15 October 2018

What is it?

- Part of regular reporting (every 3 years) on the bidding zone configuration

What is IN it?

- **Transparent & factual** information on congestions in the whole European grid
- **Data** from 2015 to 2017 on congestions & unscheduled flows AND on costs of congestion
- **Evolution** of congestions in the next 10 years

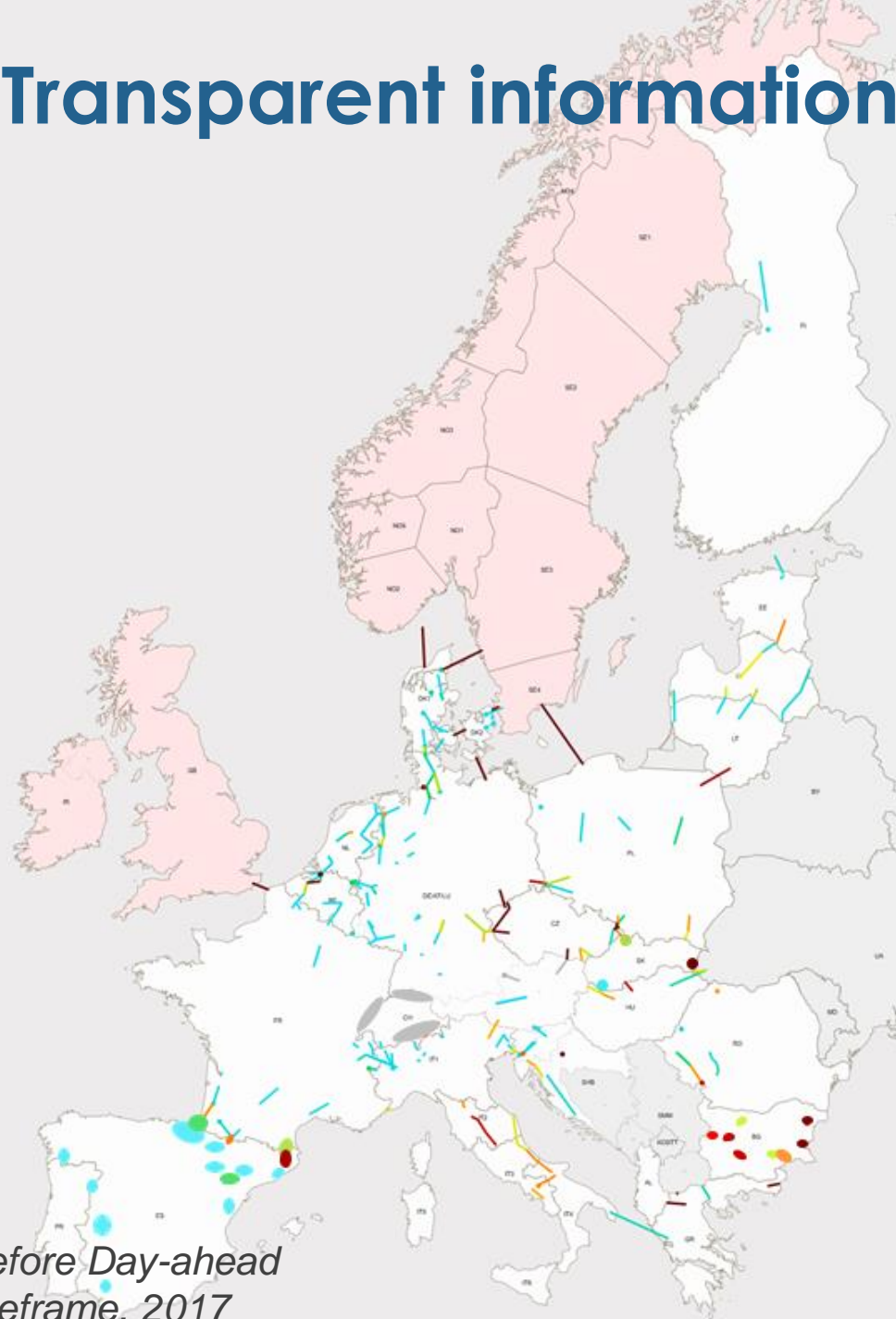
What is NEW?

- Covers whole **Europe**
- **Geographical location** and **frequency** is reflected in **maps/list**

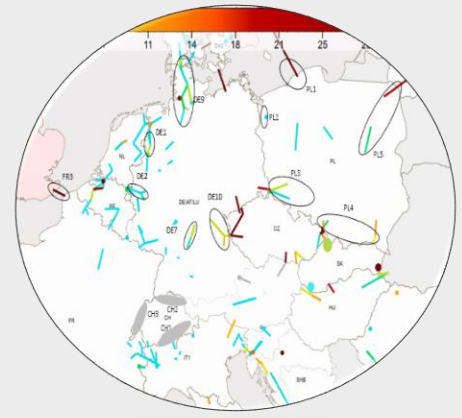
What is NOT in Technical report?

- No **recommendation** nor conclusion on the bidding zone configuration change (**≠ a bidding zone review**)

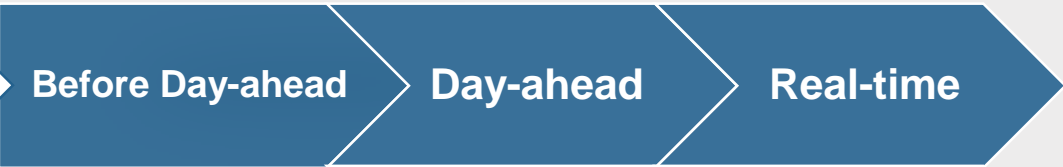
Transparent information on congestions in European grid



Zooms on areas



3 timeframes



3 years

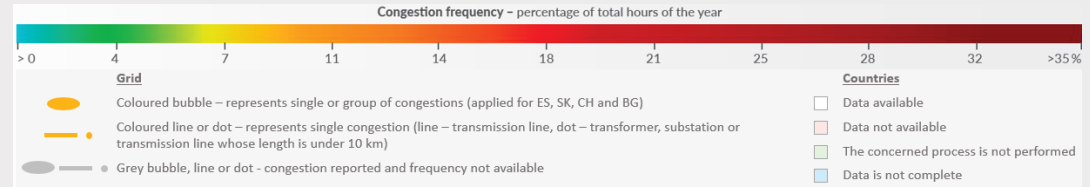


Explanations

Explanations from technical experts on congestions

Future vision

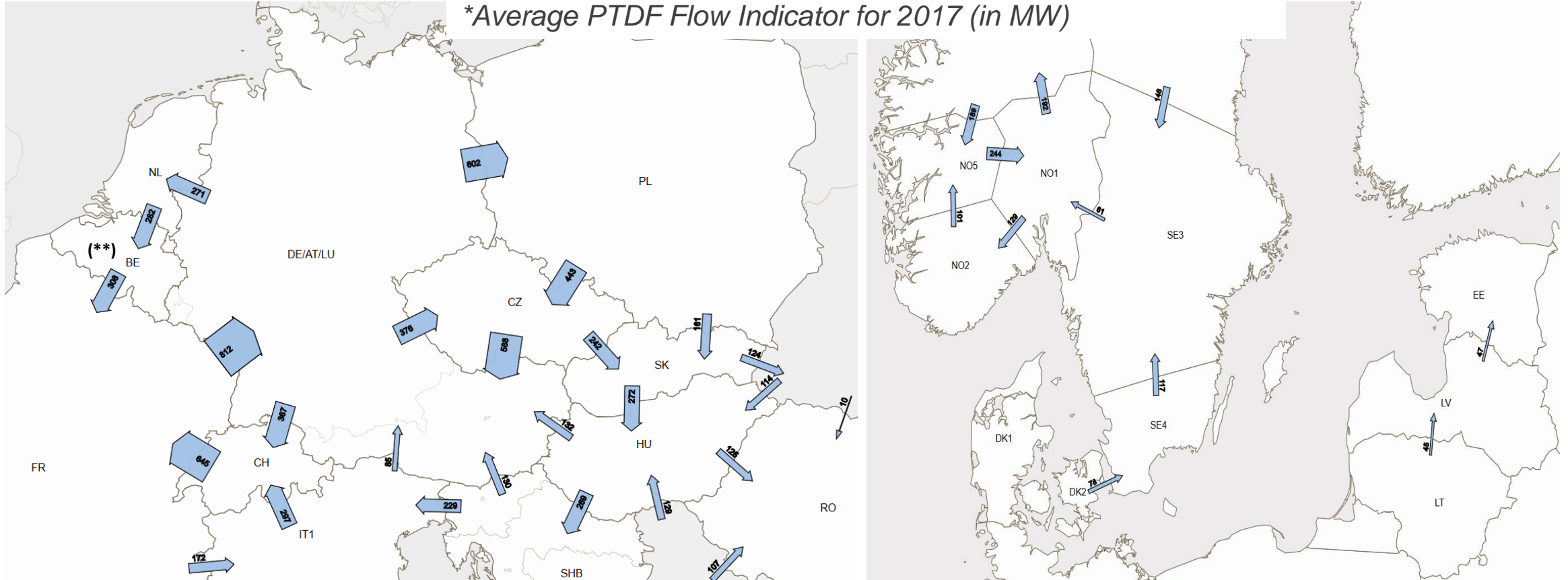
Looking at possible evolution of congestions up to 10 years ahead (2028)



*Before Day-ahead timeframe, 2017

Flows not resulting from the capacity allocation (loopflows and unscheduled flows)

*Average PTDF Flow Indicator for 2017 (in MW)

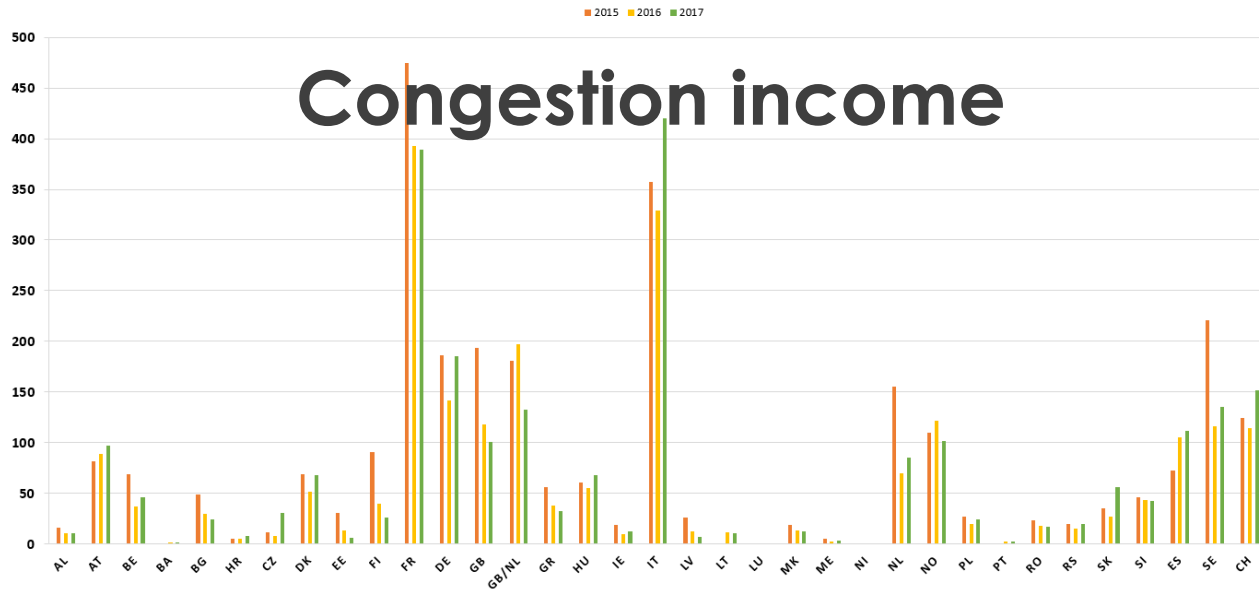


- Commercial transactions are physically realised by power flows distributed in the grid as per the law of physics
- Those power flows also include loopflows and unscheduled flows which cannot be ignored

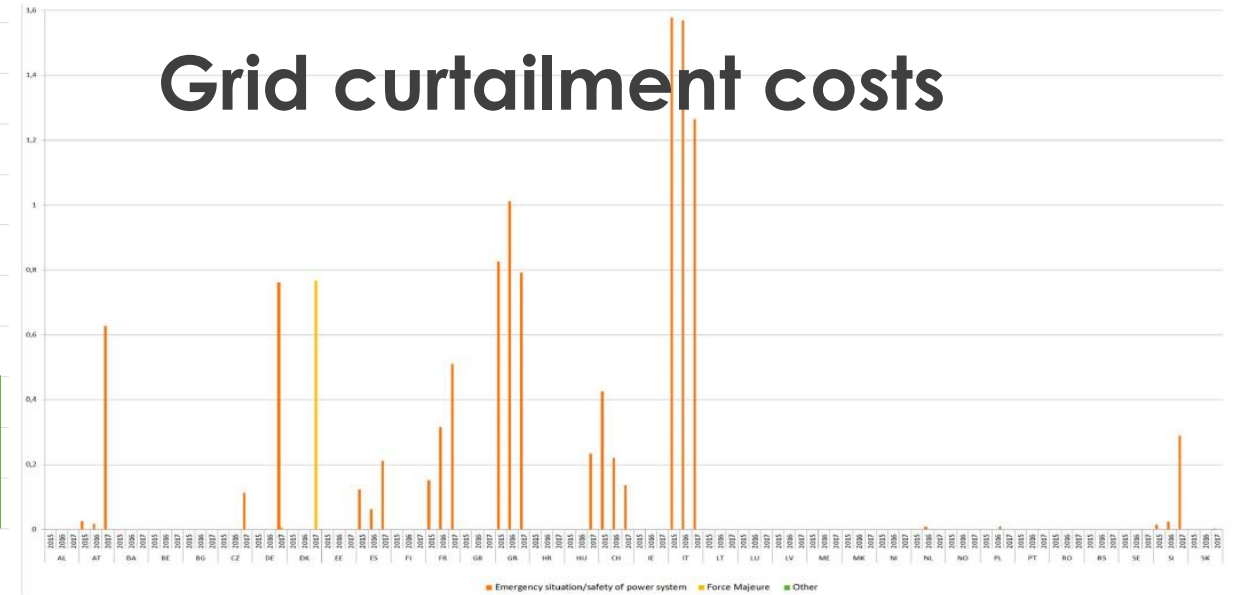
** See Technical Report page 123

Transparency on costs related to congestions

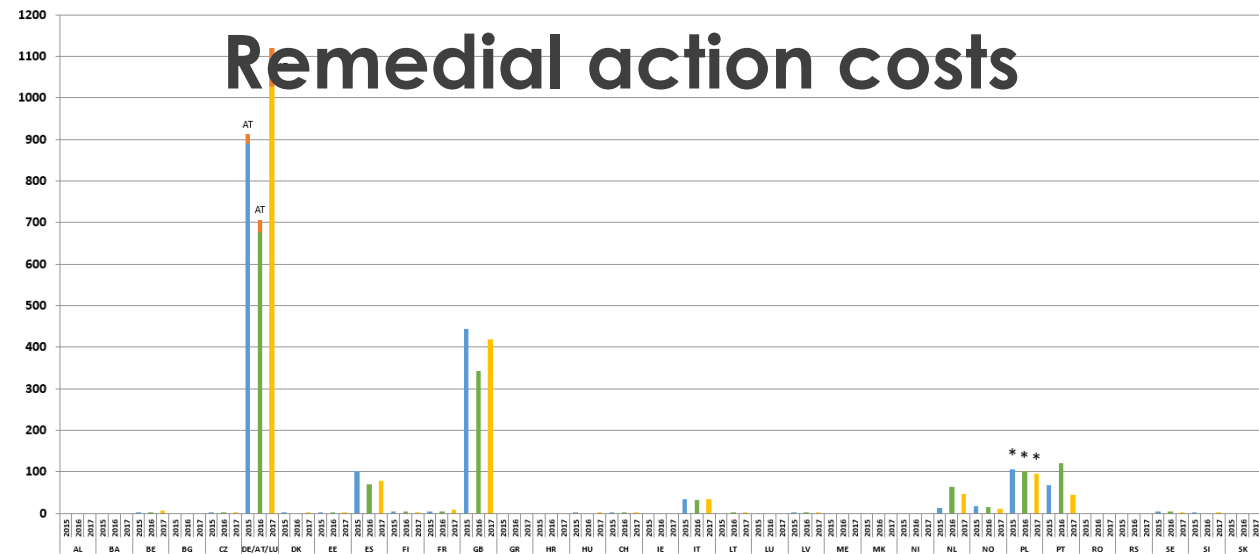
Congestion income



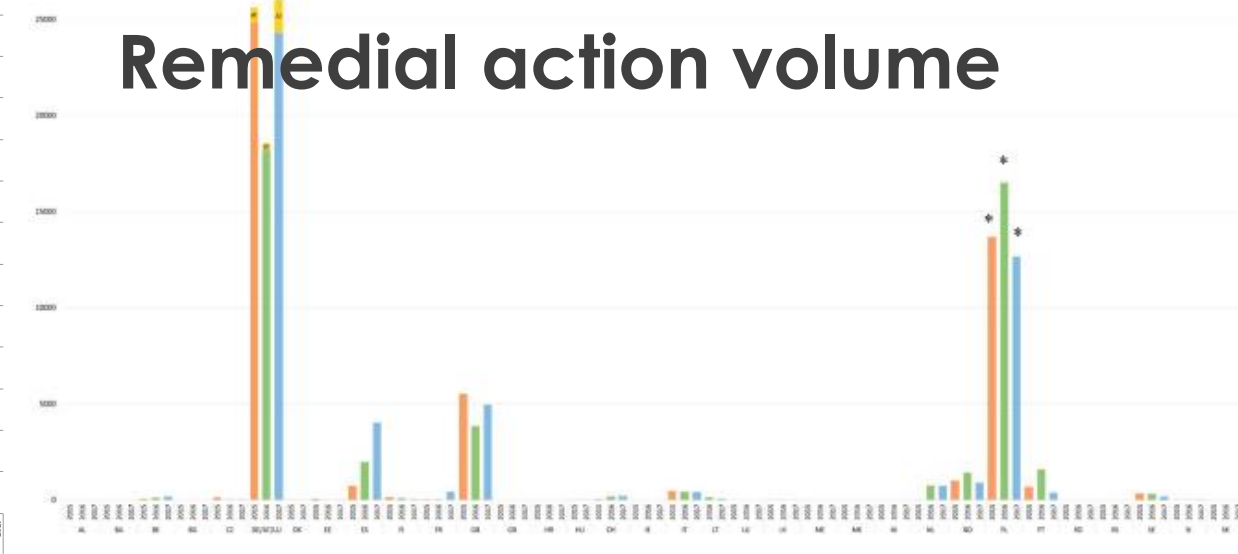
Grid curtailment costs



Remedial action costs



Remedial action volume



What are the main findings of the Technical Report?

Congestions

- Congestion frequency reduces over timeframes: the closer to time of operation, the lower frequency of congestions

Loopflows and unscheduled flows

- Rather stable over the 3 reported years
- Highest magnitude in Central Europe (FR-DE, DE-PL, PL-CZ, CH-FR, CZ-AT, BE-FR, NL-BE, DE-NL, SK-HU, DE-CH and HU-SHB)

Congestion income

- Highest amount for FR, GB and IT, followed by DE and SE

Grid curtailment costs

- Highest costs - GR and IT
- Lower magnitude compared to remedial action costs

Remedial action costs

- Highest DE and GB, followed by PL, PT, ES and NL

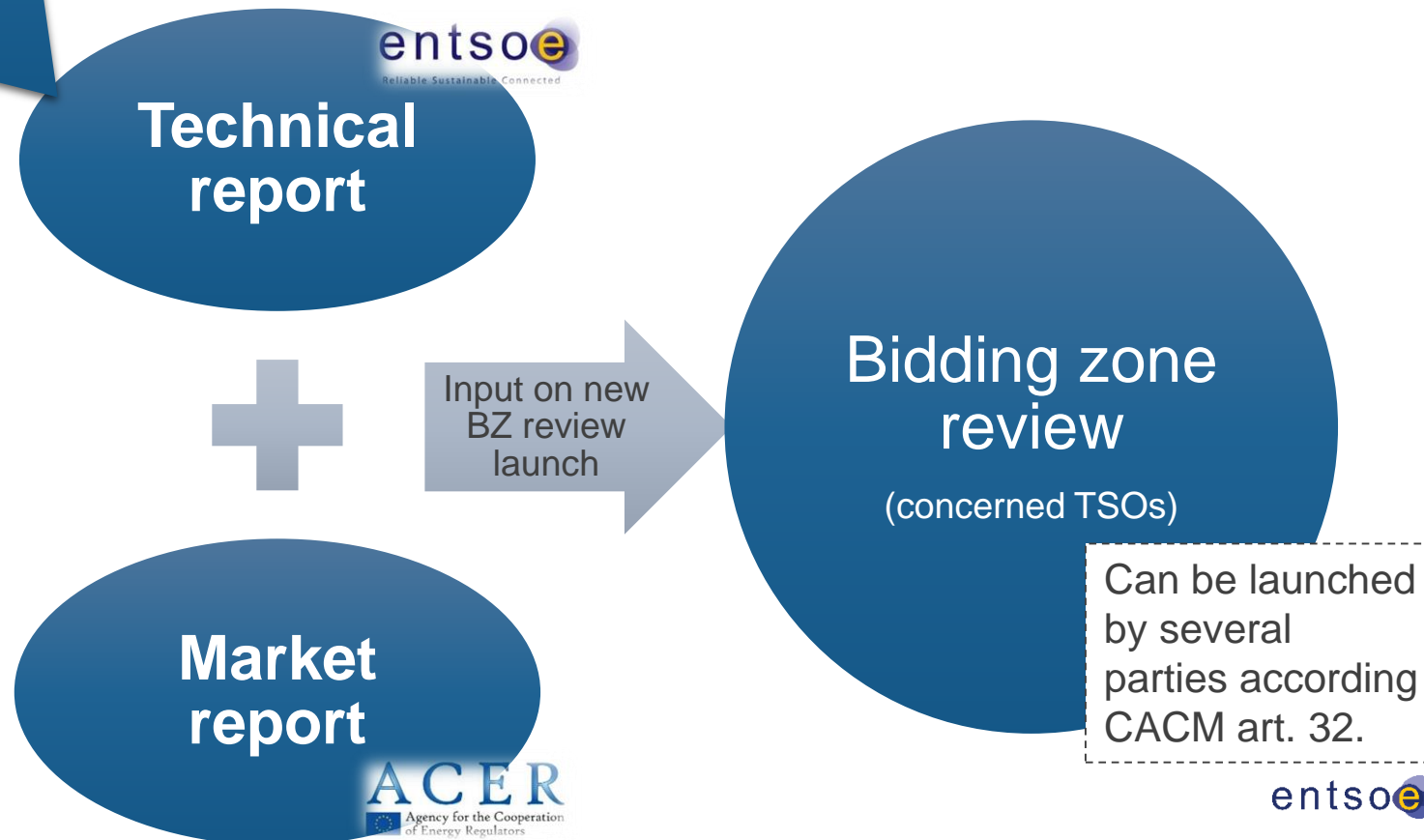
What is next?

TR is published 15/10

Report is sent to ACER 15/10

Presentation of report

- TR and ACER's Market Report provide facts for ACER's assessment of the efficiency of bidding zones.
- If inefficiencies are detected, new bidding zone review may be launched to develop recommendation on bidding zones reconfiguration.



Thank you!