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

*Before Day-ahead timeframe, 2017

Explanations from technical experts on congestions
Looking at possible evolution of congestions up to 10 years ahead (2028)

3 timeframes
- Before Day-ahead
- Day-ahead
- Real-time

3 years
- 2015
- 2016
- 2017

Future vision

Zooms on areas

Transparent information on congestions in European grid

*Before Day-ahead timeframe, 2017
Flows not resulting from the capacity allocation (loopflows and unscheduled flows)

- 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?

<table>
<thead>
<tr>
<th>Category</th>
<th>Findings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Congestions</td>
<td>• Congestion frequency reduces over timeframes: the closer to time of operation, the lower frequency of congestions</td>
</tr>
<tr>
<td>Loopflows and unscheduled flows</td>
<td>• Rather stable over the 3 reported years</td>
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<td></td>
<td>• 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)</td>
</tr>
<tr>
<td>Congestion income</td>
<td>• Highest amount for FR, GB and IT, followed by DE and SE</td>
</tr>
<tr>
<td>Grid curtailment costs</td>
<td>• Highest costs - GR and IT</td>
</tr>
<tr>
<td></td>
<td>• Lower magnitude compared to remedial action costs</td>
</tr>
<tr>
<td>Remedial action costs</td>
<td>• Highest DE and GB, followed by PL, PT, ES and NL</td>
</tr>
</tbody>
</table>
What is next?

➢ 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!