



European Union Agency for the Cooperation
of Energy Regulators

ACER Monitoring of the Implementation of the Grid Connection Network Codes

An updated analysis following the IMRs publication

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7 December 2021, virtual

Public

- **Background**
- **Implementation of the NC RfG**
- **Implementation of the NC DC and NC HVDC**
- **Policy recommendations**



NC RfG - *Commission Regulation (EU) 2016/631 of 14 April 2016, establishing a network code on requirements for grid connection of generators*



NC DC - *Commission Regulation (EU) 2016/1388 of 17 August 2016, establishing a network code on demand connection*

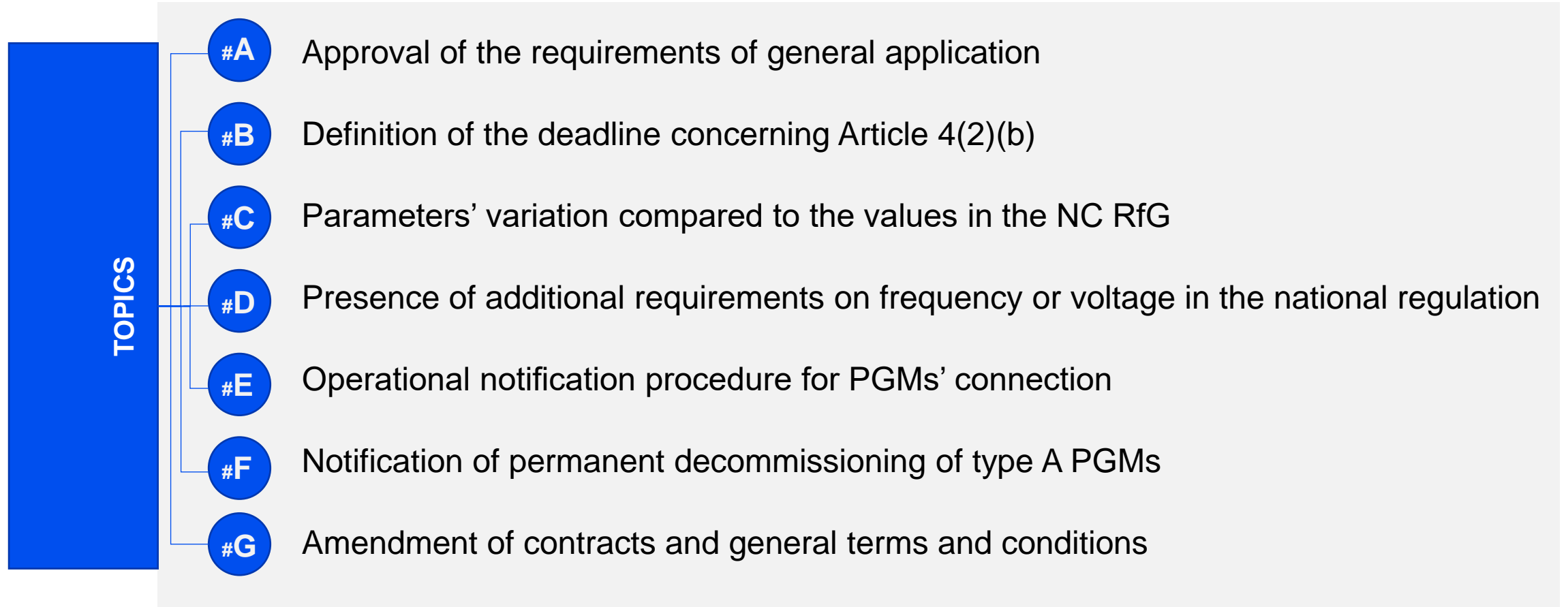


NC HVDC - *Commission Regulation (EU) 2016/1447 of 26 August 2016, establishing a network code on requirements for grid connection of high voltage direct current systems and direct current-connected power park modules.*



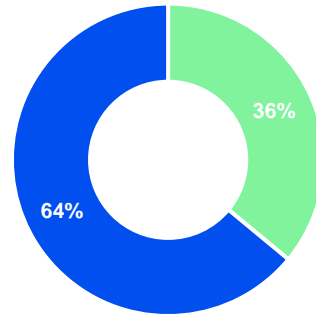
- First edition IMR 07 November 2017
- Second edition IMR 27 November 2019
- Third edition IMR 10 December 2020
- Updated IMR 11 November 2021



https://extranet.acer.europa.eu/Official_documents/Acts_of_the_Agency/Publication/Report_on_GCNCs_monitoring_final.pdf



Previous IMRs:

- 38** compliance issues
- 16** Member States



 complete
 incomplete

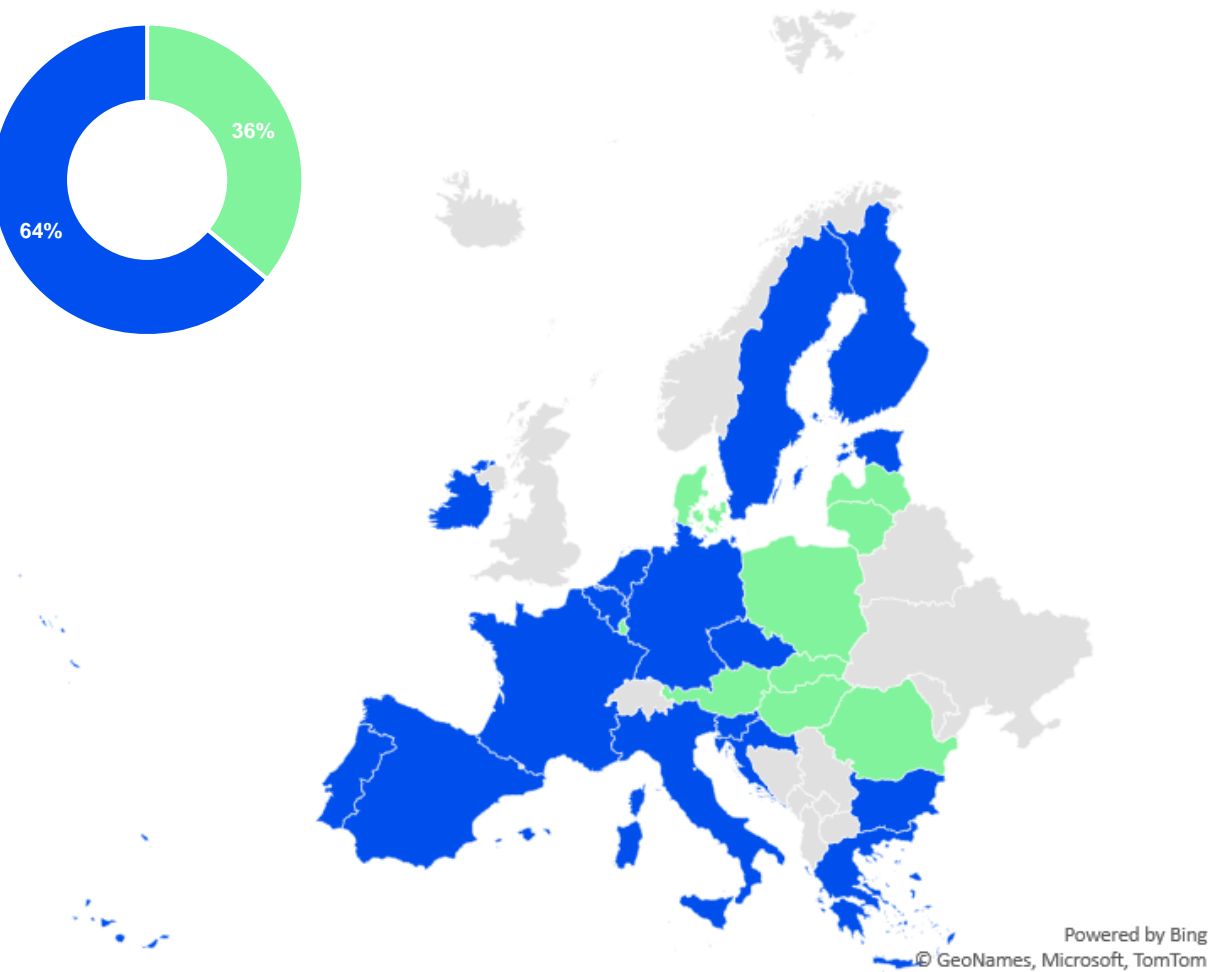


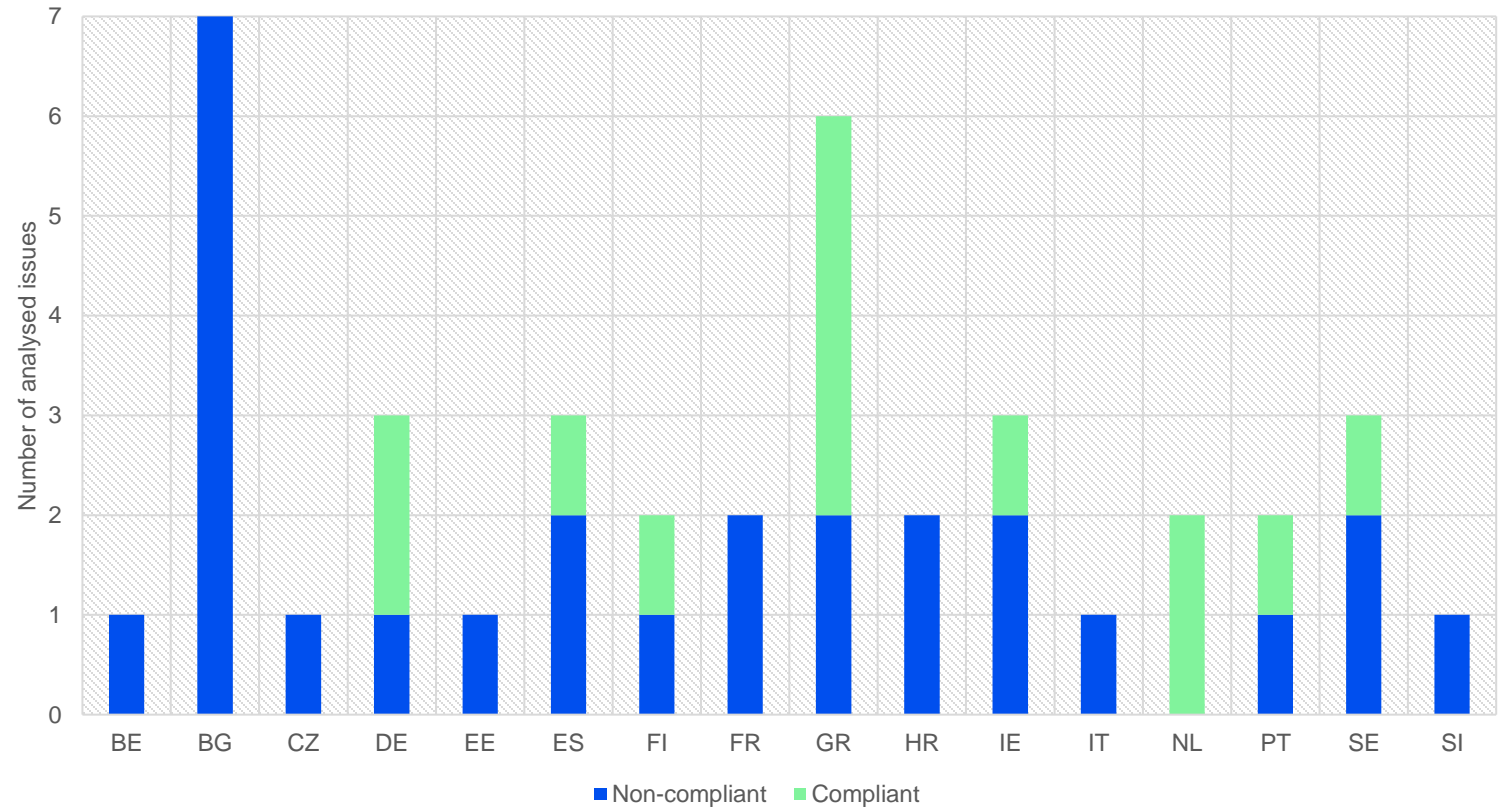
Figure 1. Overall implementation status as presented in the IMRs

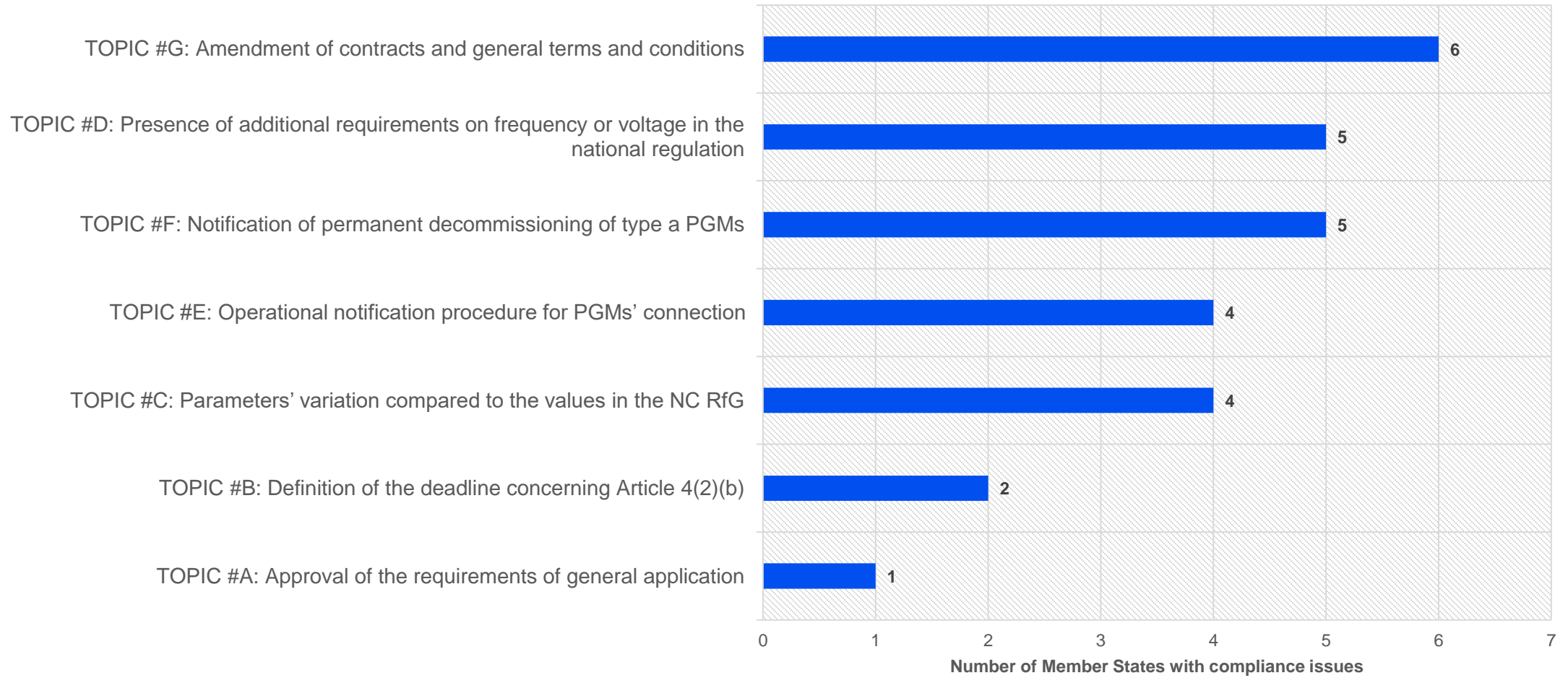
Remedied compliance issues

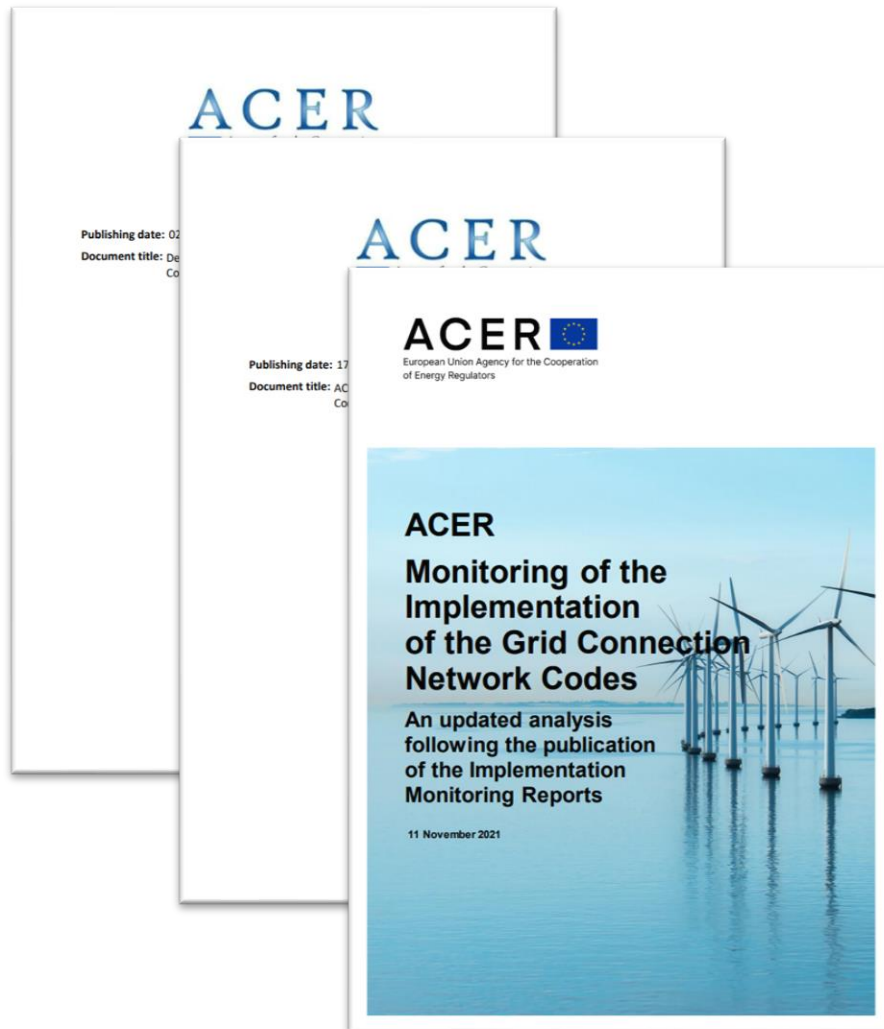
- 13 Remedied compliance issues
- 8 Member States reporting remedies

Remaining compliance issues:

- 27 Remaining compliance issues
- 15 Member States with compliance issues



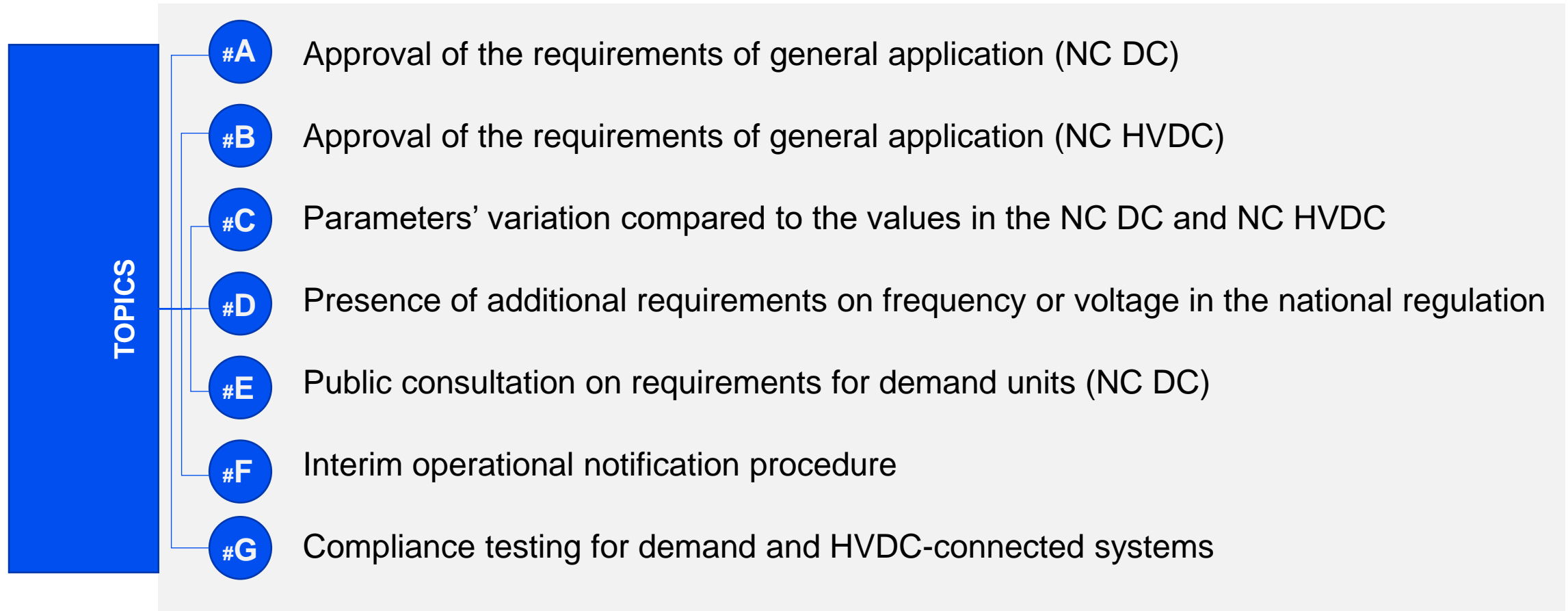




- First edition IMR 02 August 2018
- Second edition IMR 17 December 2020
- Updated IMR 11 November 2021

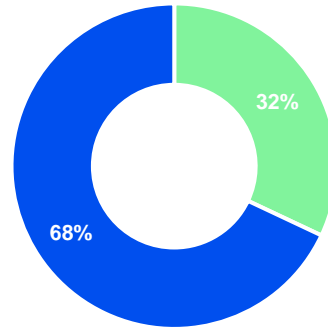
https://extranet.acer.europa.eu/Official_documents/Acts_of_the_Agency/Publication/Report_on_GCNCs_monitoring_final.pdf



Implementation of the NC DC and NC HVDC

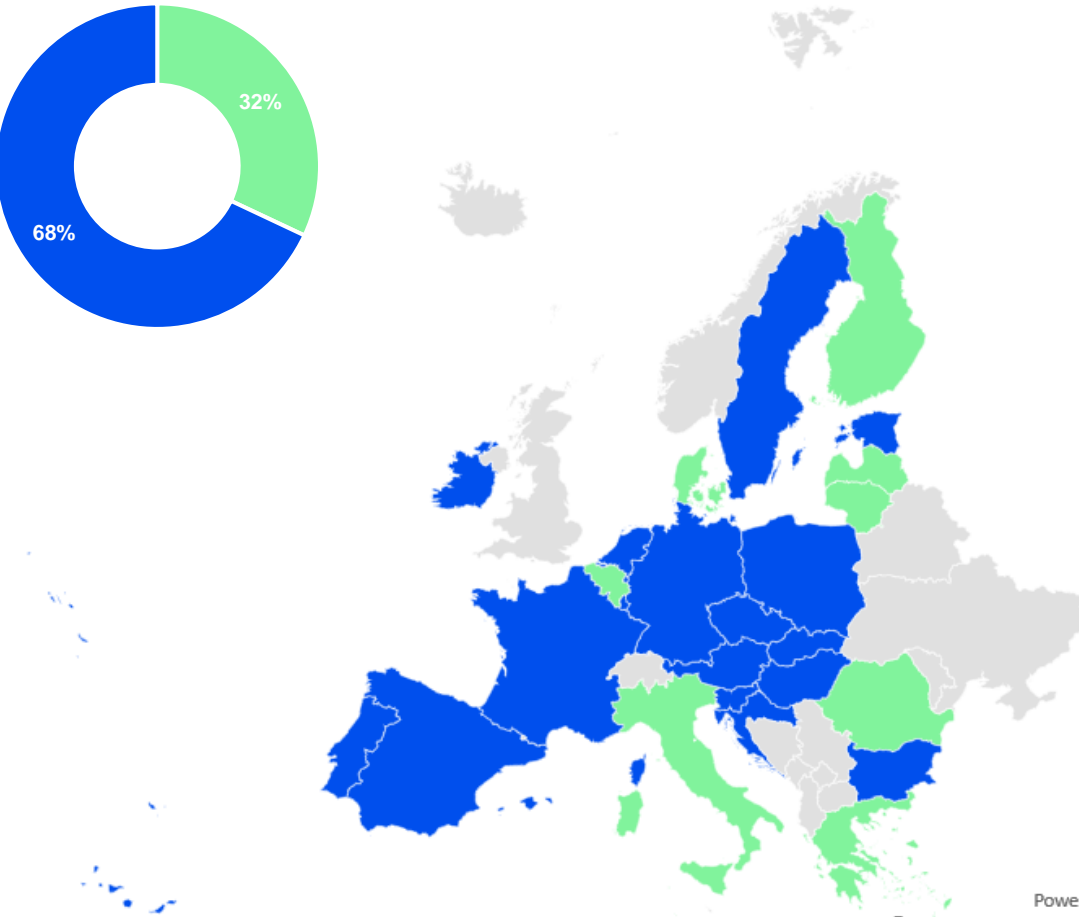


Previous IMRs:

- 40** compliance issues
- 17** Member States



 complete
 incomplete



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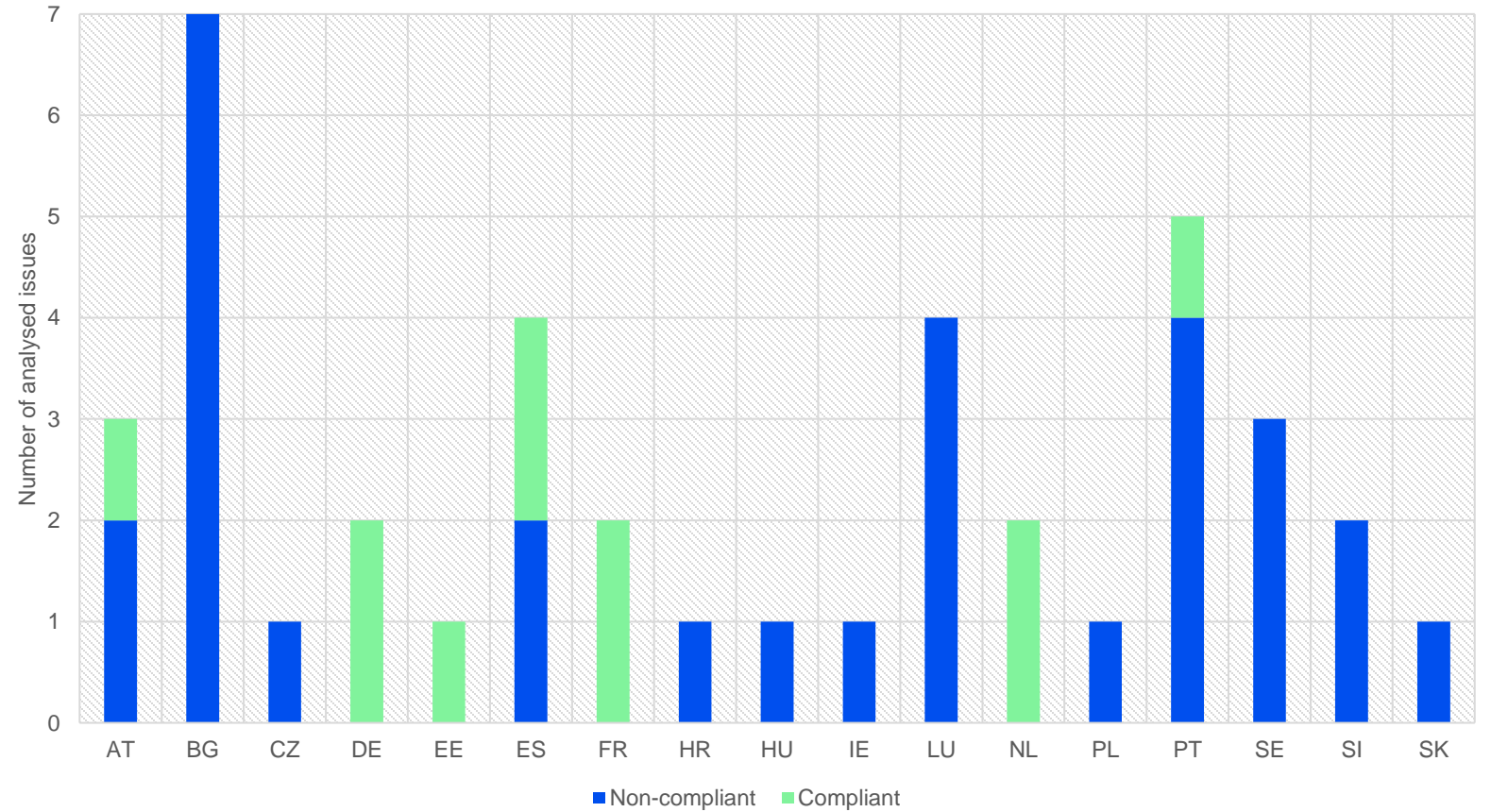
Figure 1. Overall implementation status as presented in the IMRs

Remedied compliance issues

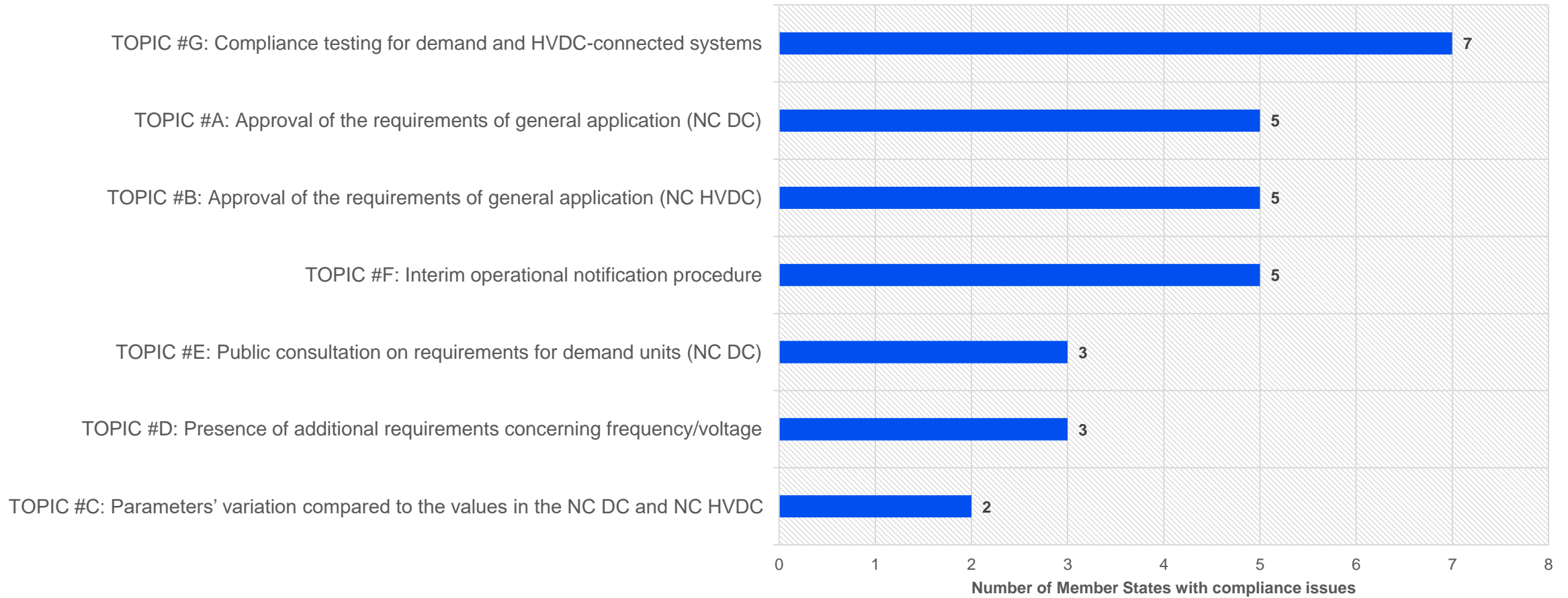
- 11 Remedied compliance issues
- 7 Member States reporting remedies

Remaining compliance issues:

- 30 Remaining compliance issues
- 13 Member States with compliance issues



Implementation of the NC DC and NC HVDC



General



ACER recommends NRAs to facilitate the necessary actions via detailed implementation plans and/or take expeditious actions to ensure fully-compliant implementation of the GC NCs.

Specific



ACER urges NRAs to ensure implementation of connection rules prescribed in the NC HVDC regarding the relevant system users.



ACER invites remaining NRAs to provide relevant information concerning compliance issues identified in their Member States.

Thank you. Any questions?

The contents of this document do not necessarily reflect the position or opinion of the Agency.



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