

Stress Tests Peer Review

Philippe JAMET

Chairman

Stress Test Peer Review Board

Post-Fukushima

Stress tests peer review

Brussels, Belgium

17 January 2012

Content

- **General framework**
- Organization of the Peer Review
- Challenges
- Conclusion

Objectives of the Peer Review

CONTRIBUTE TO IMPROVE SAFETY

- Ensure consistency of national approaches with ENSREG requirements
- Ensure that no important issues have been overlooked
- Give national Regulators information for consideration on strong features and possible further improvements

Framework of the Peer Review

- Customer: ENSREG
- Specifications of the review: provided by ENSREG
- Reviewers: Regulators and EC

Input for the Peer Review

- National Reports established by national Regulators, resulting from their national process
- Complementary information provided by national Regulators (or utilities) during the Peer Review
- Plants visits

Participants

Nuclear Member States

- Belgium
- Bulgaria
- Czech Republic
- Finland
- France
- Germany
- Hungary
- Lithuania
- Netherlands
- Romania
- Slovakia
- Slovenia
- Sweden
- Spain
- United Kingdom

European Commission

Non Nuclear Member States

- Austria
- Italy
- Ireland
- Luxembourg

Nuclear Non-Member States

- Ukraine
- Switzerland

Observers

- Armenia
- Canada
- Croatia
- Japan
- UAE

- IAEA

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Board

Chairman - Philippe JAMET (France)
Vice-Chairman – Antoni GURGUI (Spain)
Project Manager – Petr KRS (Czech Republic)
Topic 1 Leader – David SHEPHERD (United Kingdom)
Topic 2 Leader – Ervin LISKA (Sweden)
Topic 3 Leader – Joseph MISAK (Slovak Republic)
Non-nuclear State Rep. – Andreas MOLIN (Austria)
EU Commission Rep. – Massimo GARRIBBA (EC)

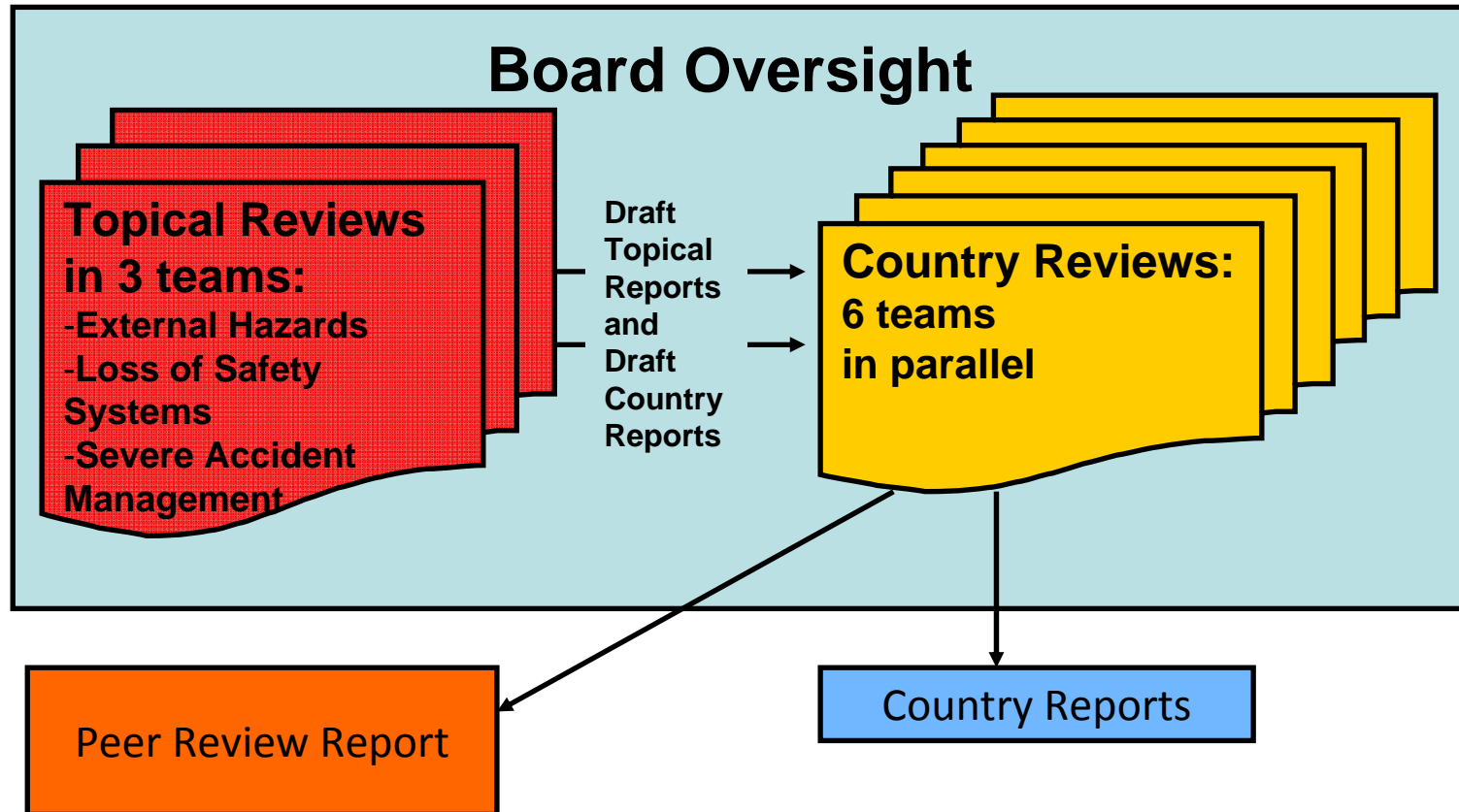
Secretariat – Mark NOEL (EC)
Communication task force advising the Board - Claire Lyons (UK)

**ENSREG approved the Board
on 7 November**

Peer Review

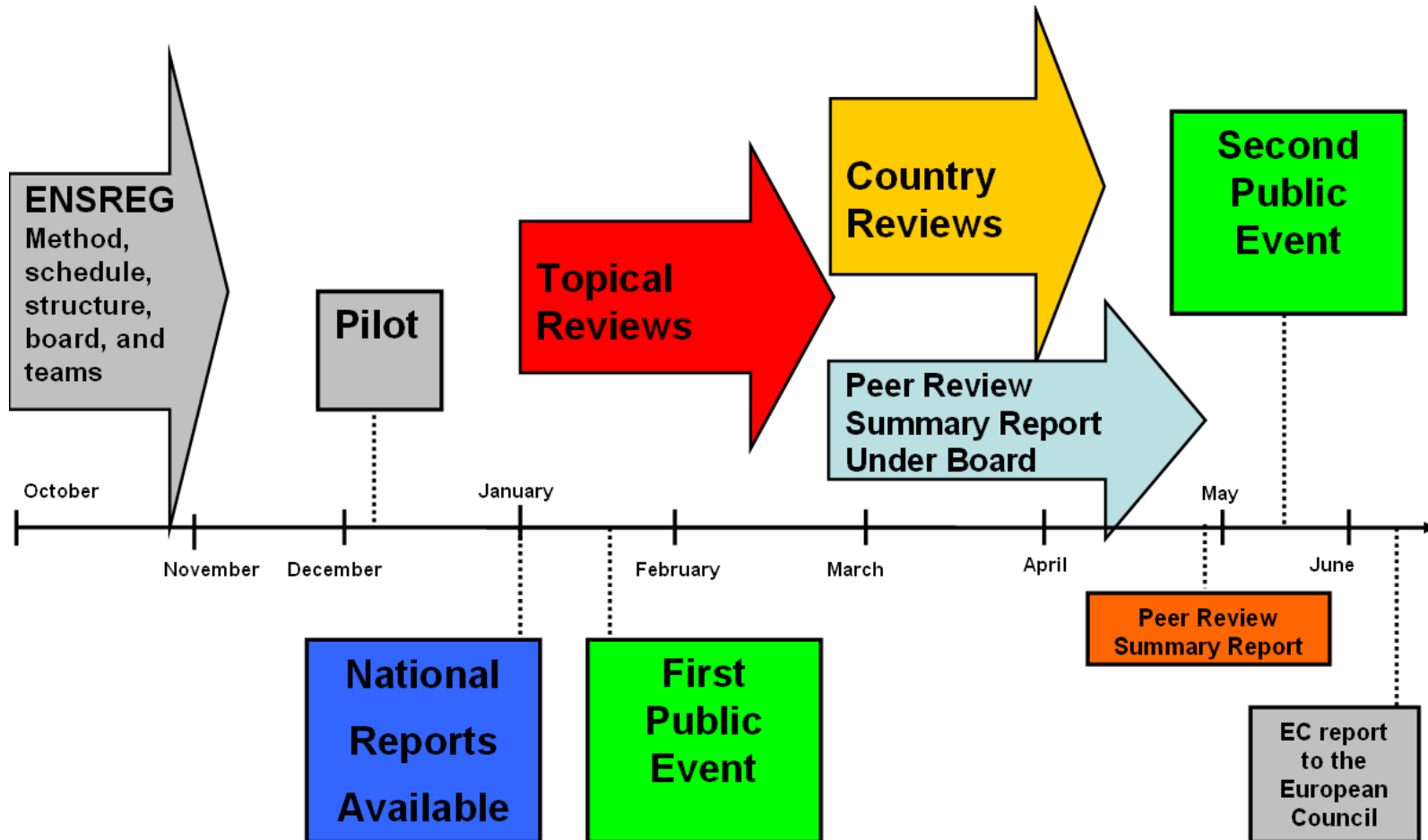
- Peer Review of National Reports occurs in two phases
 - Topical Review – 3 topical areas
 - External Hazards
 - Loss of Safety Systems
 - Severe Accident Management
 - Country Review

Peer Review Process



Peer Review Timeline

Public Meeting



Topical Review (1)

- 3 teams working in parallel
- 23 members/team (Chair, reviewers, rapporteurs) + Observers
- 3 topics
 - External Hazards
 - Loss of Safety Systems
 - Severe Accident Management

Topical Review (2)

- 2 phases:
 - Desktop review (5 weeks)
 - Plenary meetings (2 weeks)
- Deliverables
 - 3 draft Topical Report (European level)
 - 17 draft Country Reports

Country Reviews

- 6 teams working in parallel
- 8 members / team (Chair, experts from Topical Reviews, rapporteur)
- Team approved by Country
- Review meetings in each country (4 days)
- One site visit
- Deliverables: 17 Country Reports

Feedback of Country Review

- Complement information provided by the National Reports
- Provide additional answers to questions raised during Topical Review
- Allow checking and complementing draft Topical Reports

Public Outreach (1)

- Today's Public Stakeholder Meeting
- Second Public Stakeholder Meeting in Brussels to present the results (May 2012)
- ENSREG web site
 - Today's conclusions and slides
 - Periodic status updates
 - Other relevant notices

Public Outreach (2)

- Public web site where suggestions can be formally made until 20 January
 - Questions will be grouped and summarized for peer reviewers to consider in review process
 - Country specific questions will be referred to the national Regulators

<http://www.ensreg.eu/EU-Stress-Tests/Public-engagement>

Final Product

- Peer Review Summary Report
 - Adequacy of national approaches against ENSREG specifications
 - Results of topical reviews
 - Public interactions
 - Conclusions: strong features and possible improvements for consideration by Regulators
- 17 Country Reports as annexes
- Summary Report to be approved by ENSREG for transmission to European Commission

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Challenges (1)

- General European and International context
 - Nuclear energy and nuclear safety are subjects of intense debate within Europe
 - Countries continue to make far-reaching decisions following Fukushima accident
 - Expectations towards the Peer Review vary significantly with different stakeholders
 - The European Peer Review is observed by the whole world

Challenges (2)

- Management challenges
 - Coordination of many participants coming from over 20 countries
 - Quality of the review to be performed in a very tight schedule
 - Ensuring a common assessment of national reports based on different national regulatory approaches

Challenges (3)

- Strong features
 - Clear mandate and terms of reference from ENSREG (following WENRA)
 - Quality of Board members and reviewers
 - Possibility to refer to WENRA Reference Levels and IAEA Standards

Challenges (4)

- Adoption of basic Values/Objectives guiding the Peer Review
 - Enhanced safety
 - Technical relevance
 - Openness
 - Credibility

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Conclusion

- Address the European Council request for a Peer Review
- Transparent international assessment to ensure that no important issues have been overlooked
- Information to national Regulators for consideration on strong features and further potential improvements
- Enhanced safety in Europe and in each European country