

MDEP

Multinational Design Evaluation Programme

An initiative taken by national safety authorities to leverage their resources and knowledge for new reactor design reviews

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Initial Personal Views and Expectations

1. **MDEP is a key programme** for new build activities
2. **MDEP is a mid and long-term programme, but short-term concrete results are necessary**
3. To be efficient, MDEP needs to concentrate on **a limited number of pertinent topics**
4. Each working group needs to have an **action plan** :
 - Final and interim objectives, clear schedule and periodic reports
5. Convergence of regulatory practices will finally lead to convergence of regulatory requirements

Initial Personal Views and Expectations

- 6. MDEP needs the active involvement of all stakeholders : Regulatory Bodies, Vendors and Operators**
 - Regular exchanges between all stakeholders**

Proposed Conclusions

1. **MDEP is an initiative pooling an effective and efficient expert network from different countries**

- Improvement of regulatory design reviews
- Enhancement of the nuclear safety level

→ Efforts to be maintained

Proposed Conclusions

2. **Great expectations from MDEP up to worldwide certification of new designs**
3. **Standardization and Harmonization**
 - Definition of harmonization
 - Similarity ? Compatibility ? Equivalence ?
4. **Standardization in the present MDEP framework**
 - *“As similar as possible”*
 - **Task for Design Specific Working Groups**

Proposed Conclusions

5. **Serial manufacturing of primary components**
 - Anticipated manufacturing
 - Certification and approval of off the shelf components
 - **Task for Vendor Inspection Working Group**
 6. **Codes and Standards**
 7. **Instrumentation and Control**
- To maintain
WG efforts**

Proposed Conclusions

8. CORDEL proposal

→ **Need for a policy discussion**

9. To strengthen the use of MDEP achievements

→ For operating NPP

(Ageing, Updating, Periodic Safety Reviews)

10. To improve information dissemination to:

- Participating Authorities
- Non-Participating Authorities
- Newcomers
- Industry stakeholders
- Public