

**IAEA Training Course on First Response to a Radiation Emergency
in Cooperation with the Department of Energy, United States of America
Vienna, Austria
22-26 July 2013**

Assessment of National EPR Capabilities

**Incident and Emergency Centre
Department of Nuclear Safety and Security**



IAEA
International Atomic Energy Agency

Contents

- Introduction
- EPREV
- EPR and IRRS
- Conclusion



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Incident and Emergency Centre (IEC)

Mission Statement

Global Focal Point
for

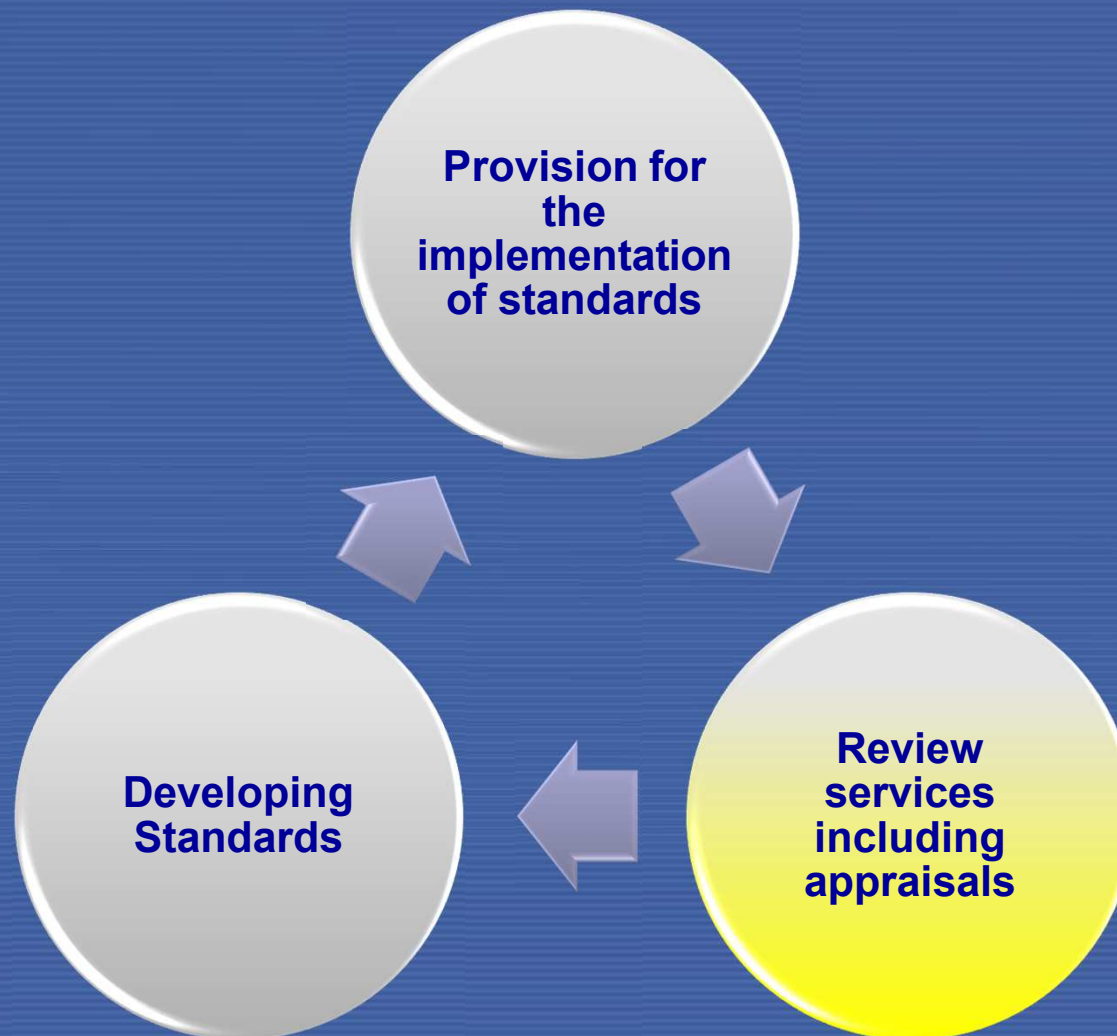
International Preparedness and Response
to Nuclear and Radiological Safety or Security
related Incidents, Emergencies, Threats or
Events of Media Interest
and for Coordination of International
Assistance

Preparedness

Standards, Guides and Tools



Ways of Providing IAEA Assistance



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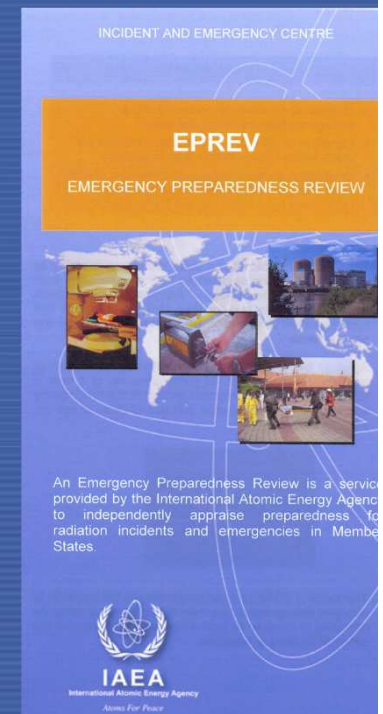


What is an EPREV?

The scope of the service is directly related to the areas addressed by the safety standards

The EPREV (Emergency Preparedness Review) is a **service** provided by the IAEA **to appraise** preparedness for nuclear and/or radiological emergencies in the Member States

The compliance of Member States with these Standards to ensure they are being applied.

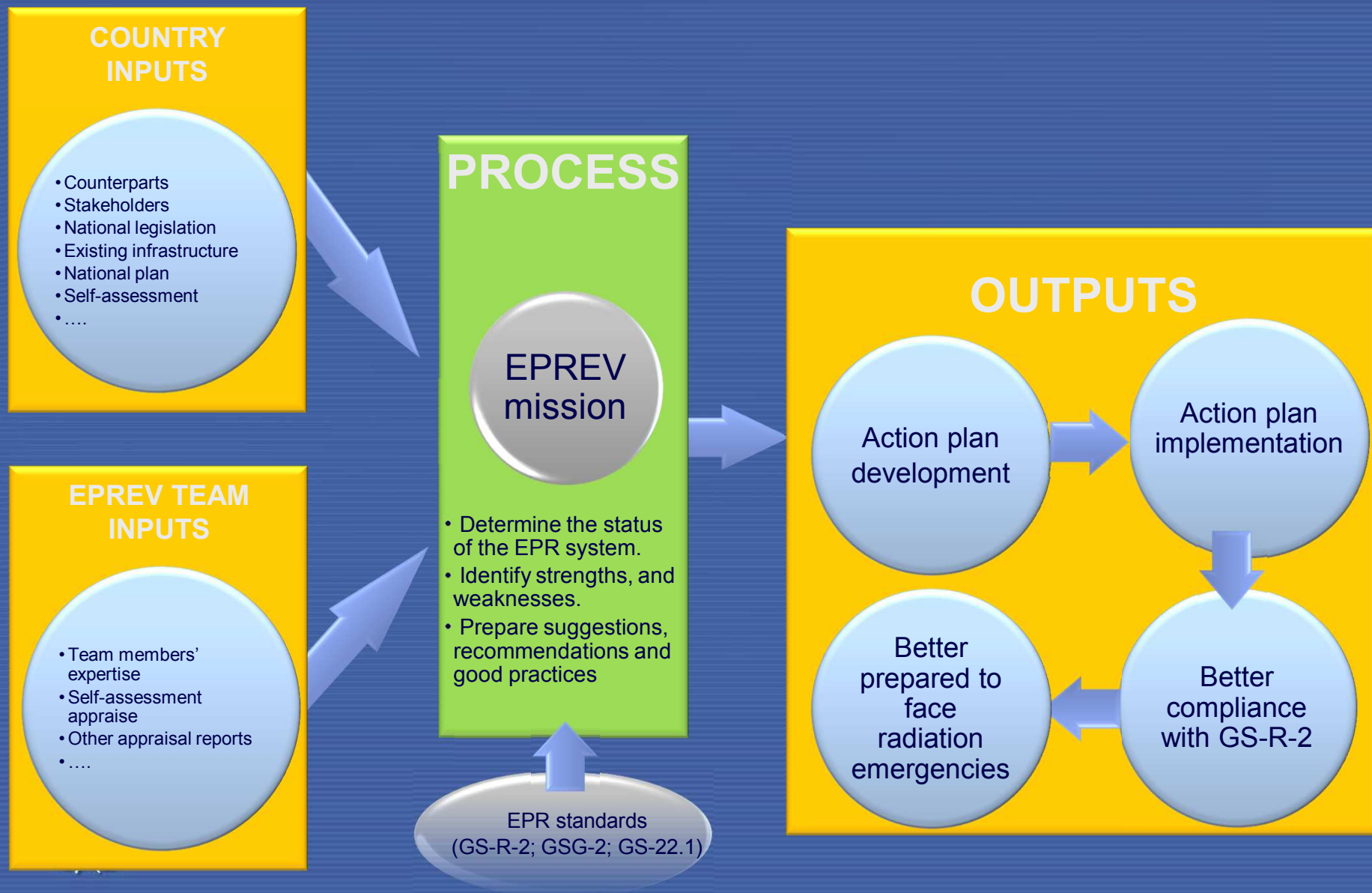


The EPREV concept

While each **Member State** is responsible for conducting a periodic appraisal of its emergency preparedness and response capabilities, **the IAEA can also conduct**, at the **request of the Member State**, an independent Emergency Preparedness Review (EPREV)

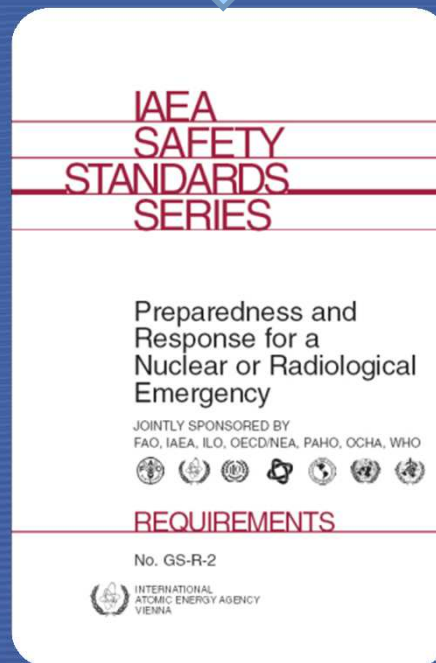


EPREV inputs and outputs



Criteria

Safety Requirements



General requirements

1. Basic responsibilities



2. Assessment of threat

GS-R-2

Threat categories

I, II, III, IV

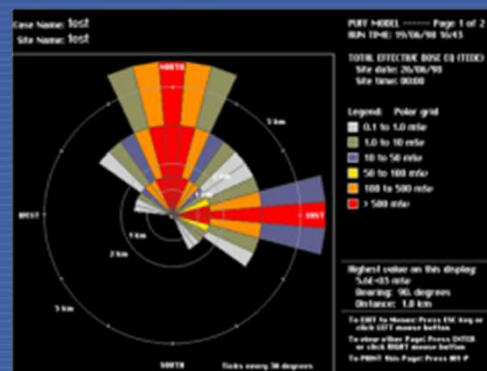
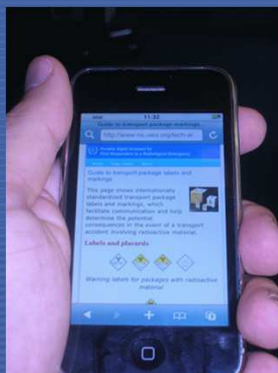
and/or V

Functional requirements

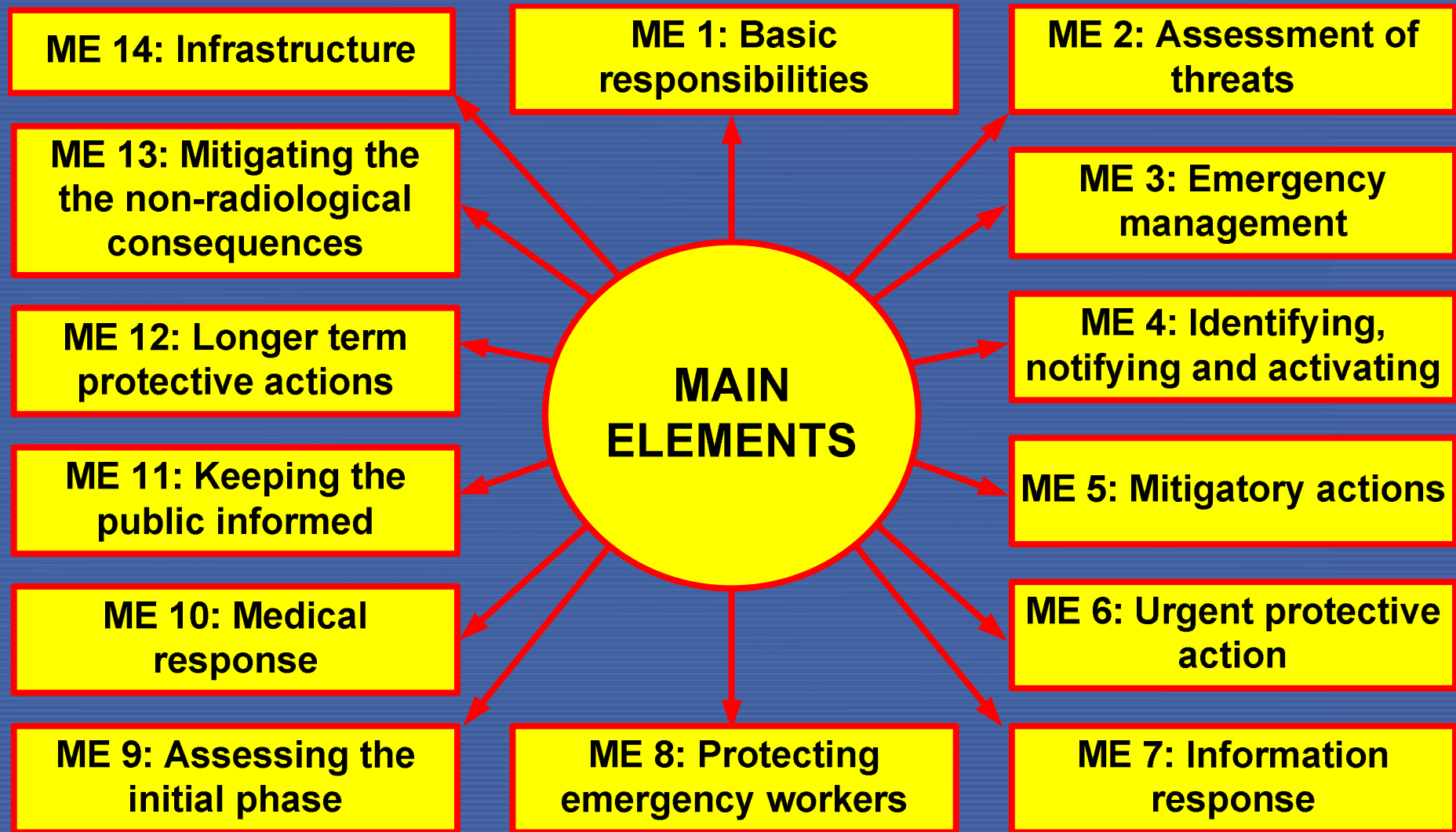
3. Establishing emergency management and operation
4. Identifying, notifying and activating
5. Taking mitigatory actions
6. Taking urgent protective actions
7. Providing information and issuing instructions and warnings to the public
8. Protecting emergency workers
9. Assessing the initial phase
10. Managing the medical response
11. Keeping the public informed
12. Taking agricultural countermeasures and countermeasures against ingestion and longer-term protective actions
13. Mitigating the non-radiological consequences of the emergency and the response

Infrastructural requirements

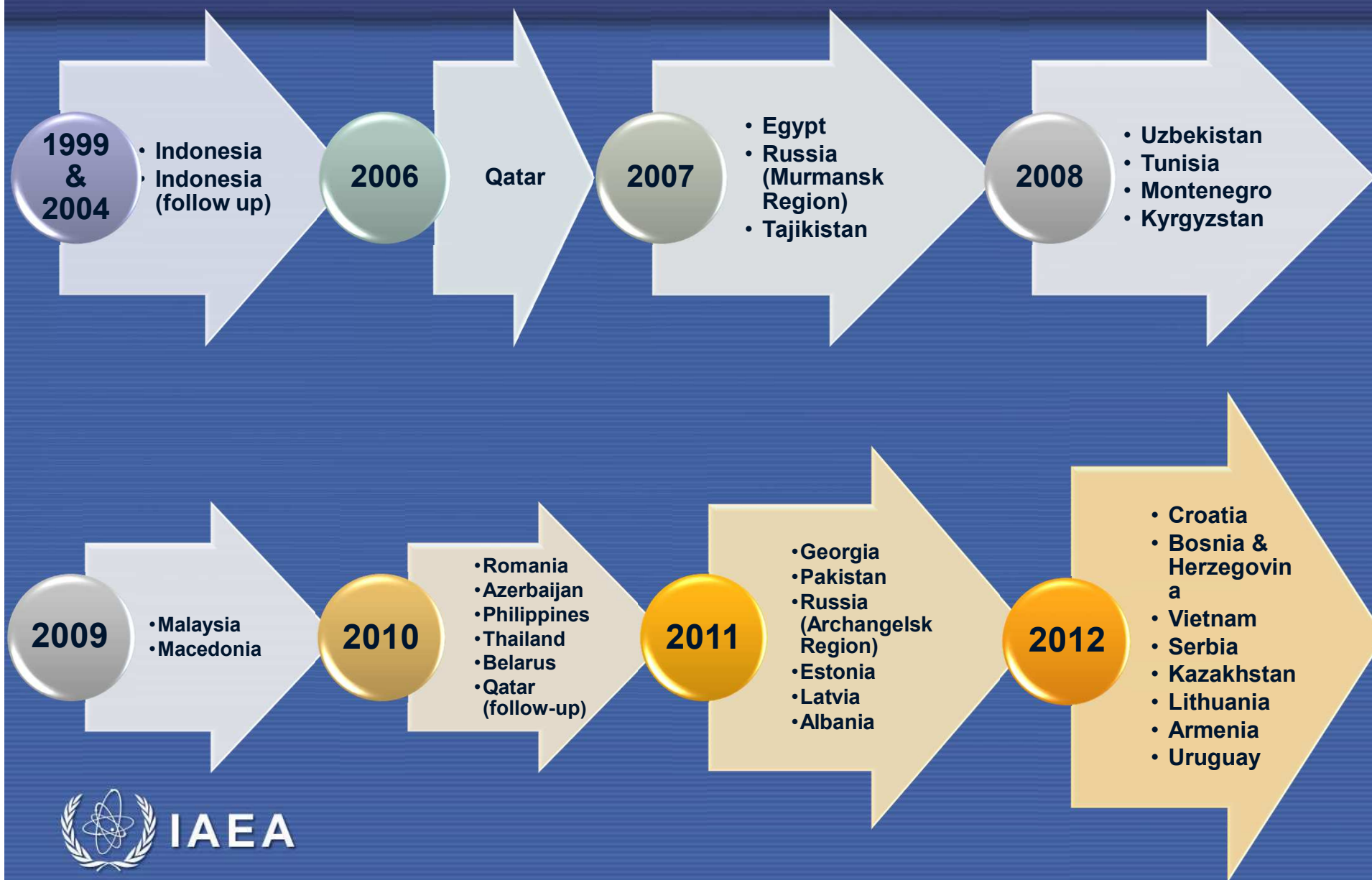
14. General requirements for the infrastructure (emergency plans, procedures, tools, instruments, supplies, equipment, communication systems, training, exercises, logistics etc.)



Main elements (MA) considered for assessment



EPREVs conducted



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Horizontal vs. vertical

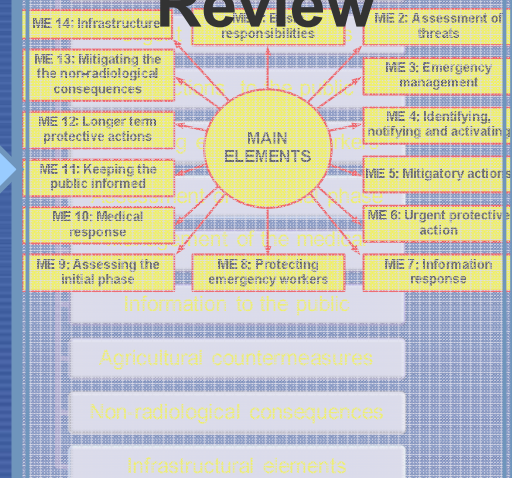
IRRS: Integrated Regulatory Review Service Mission



Regulatory elements

EPREV: Emergency Preparedness Review

EPR Elements



- Do the regulations cover all the relevant areas of GS-R-2 (i.e. those that fall under the jurisdiction of the regulator)?
- If not, which organization establishes those requirements and how is this coordinated with the regulatory body?
- Are the regulatory guides relevant to EPR consistent with IAEA requirements and safety guides?
- In general, how does the regulatory body verify that the licensees meet the regulatory requirements in EPR?

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Conclusions

- Among the services the IAEA provides, the Emergency Preparedness Review EPREV, appraises preparedness for nuclear and/or radiological emergencies in Member States.

Questions, comments or suggestions?



Thank you!