

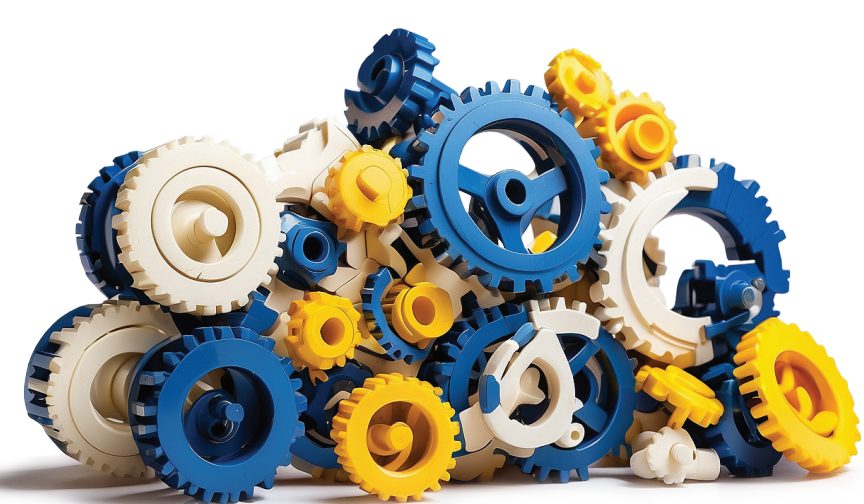
SMR REGULATORS' FORUM



BACKGROUND



SMRs are advanced reactors with less installed capacity than current power generation reactors designed to maximize factory build and modularity.



The establishment of regulatory controls for this relatively new type of reactors requires focused and consistent attention.



The SMR Regulators' Forum (SMR RF), created in 2014, provides enabling discussions among Member States and other stakeholders to share SMR regulatory knowledge and experience.

ORGANIZATION/STRUCTURE



STEERING COMMITTEE



IAEA SCIENTIFIC SECRETARIAT



WG 1
LICENSING ISSUES



WG 2
DESIGN AND SAFETY ANALYSIS



WG 3
MANUFACTURING, CONSTRUCTION, COMMISSIONING AND OPERATION

SMR RF WORKING GROUPS

WG 1

LICENSING ISSUES (LI)

Addresses issues related to regulatory approaches for licensing of SMRs, including key regulatory interventions and international regulatory cooperation.

WG 2

DESIGN AND SAFETY ANALYSIS (DSA)

Addresses issues related to the safety demonstration of SMR designs, including the consideration of fundamental safety functions and key design requirements, the integration of safety, security and safeguards and the safety analysis approaches for SMRs.

WG 3

MANUFACTURING, CONSTRUCTION, COMMISSIONING AND OPERATION (MCCO)

Addresses issues related to the manufacturing, construction, commissioning, operation and maintenance of SMRs, including the long-lead procurement and the organizational capability of stakeholders involved in the deployment of SMRs.

OBJECTIVES



Develop common positions based on identification and discussion of key safety issues that may challenge regulatory reviews associated with SMRs, including, if possible, approaches for their resolution.



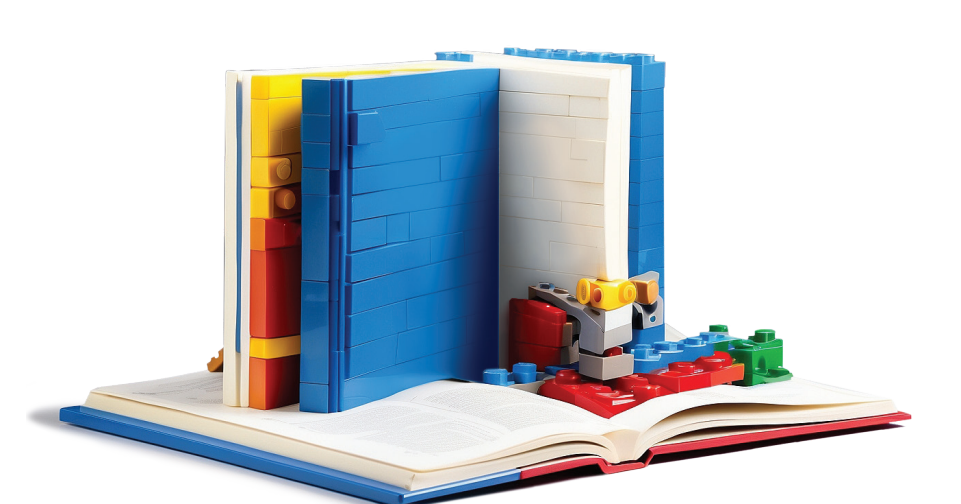
Encourage enhanced nuclear safety and security.



Facilitate international cooperation among regulators performing SMR-related assessments.

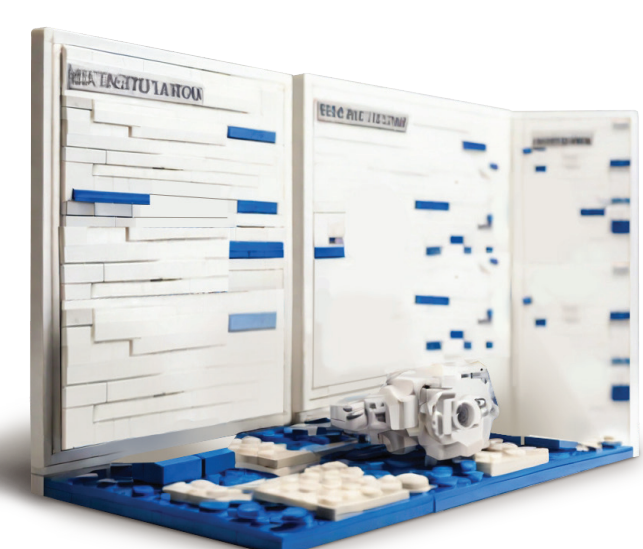


Facilitate efficient, robust and thorough regulatory decisions.



Advise the IAEA on the need for revision or development of new publications on safety and security of SMRs.

SCOPE AND OUTCOMES



Common position statements on regulatory (policy and technical) issues.



Suggestions for revisions to, or drafting of, IAEA publications, especially the IAEA Safety Standards regarding SMRs.



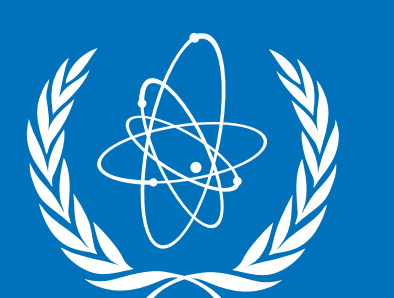
Generation and sharing of information that regulators can use to enhance their regulatory framework and regulatory activities.



Description of regulatory challenges and discussions on paths forward.



Suggestions for high level issues to be raised before international codes and standards organizations.



IAEA
International Atomic Energy Agency

