

Technical Meeting on Fusion Design Safety and Regulation

Monday, 23 October 2023 - Wednesday, 25 October 2023

IAEA Headquarters Vienna, Austria

Topics

Fusion design safety and safety assessment approaches, and application of graded approach

Safety functions and associated systems

Application of defence in depth. Confinement and shielding barriers

Design or protection against internal and external hazards

General design requirements for safety

Design requirements for specific systems

Plant states. Postulated initiating events. Accident scenarios

Safety analyses (deterministic and probabilistic)

Regulation of fusion facilities, including those for FPPs and early-stage fusion facilities

Current national practices of the regulatory approach for existing and future fusion facilities

Common regulatory issues and regulatory approaches

Regulatory guidance