Topical Session Number 3

List of presentations:

- F. Baciu, IAEA, IAEA The Role of the International Atomic Energy Agency in a Response to Nuclear and Radiological Incidents and Emergencies
- J. Barbaud, France, Strengthening Improvements in Defence in Depth on French Nuclear Power Plants following Fukushima Accidents
- M. Kuznetsov, Russian Federation, Beyond Design Basis Severe Accident Management as an Element of Defence in Depth Concept
- T. McKenna, IAEA, Strengthening Defence in Depth in Emergency Preparedness and Response by Pre-establishing Tools and Criteria for the Effective Protection of the Public During a Severe Reactor Emergency
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- Robustness of on-site arrangements
  - National experience based on findings of stress test
  - On-site safety barriers and off-site emergency arrangements (facilities and organisation)
  - Functionality of the safety provisions e.g. design and implementation of a hardened safety core for NPP
  - Deployment of nuclear rapid response force – to bring sufficient human and materials resources to increase autonomy of the site
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- Details of Beyond Design Basis Severe Accident Management
  - Implementation of Beyond Design Basis Accidents Management Guidance
  - National experience of systematic review and steps of development
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- Flexibility and extendibility of pre-planned arrangements during application in actual emergency:
  - Important prerequisites to meet all goals of emergency response as a last layer of defence in depth
  - Training for all involved in response including high level communicators and decision makers
  - Teams in charge of emergency management should be trained to address the unexpected
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• International Emergency Preparedness and Response (EPR) framework
  • Application of international Safety Standards in Member States
  • Importance for all countries to have adequate level of EPR
    • as application of national EPR arrangements in actual emergency in an Accident State will have implications to all other countries.