Incident and Emergency Centre (IEC)

Global focal point for emergency preparedness and response for nuclear and radiological emergencies irrespective of their cause, including coordination / provision of assistance upon request.
Roles and Responsibilities in Response

- Notification & official information exchange
- Provision of public information
- Assessment of potential emergency consequences and prognosis of possible emergency progression
- Provision of assistance on request
- Coordination of inter-agency response
Roles and Responsibilities in Preparedness

- Emergency Preparedness and Response (EPR) Safety Standards, Guidance and Tools
- EPR capacity building
- Emergency Preparedness Review (EPREV)
- IAEA’s in-house and inter-agency preparedness
Notification and information exchange: Unified System for Information Exchange in Incidents and Emergencies (USIE)

- 24/7 protected website, operated by IAEA IEC, open to CAs in MSs and to relevant IOs
- Providing access to authenticated information on nuclear and radiological incidents and emergencies (irrespective of triggering event) reported to/through IAEA
USIE 7.0 made available in March 2018

- Increased protection of sensitive information
  - Full encryption (data transfer and storage)
- New user role for nuclear security users
- Guide for users to select appropriate form
- Short message updates within an event
- Enhanced display, filtering and sorting functionality on the event homepage
- Training on USIE training site
  - 5 Webinars held February – March 2018 in UN languages with more to come in 2Q-3Q 2018
Notification and information exchange: IECComm

• 3 WSs on Notification, Reporting and Requesting Assistance are taking place in 2018 in Vienna
  – March 26-29, June 25-28, July 2-5
  – For CPs under Early Notification Convention, Assistance Convention and CPPNM

• 2018 Edition of EPR IECComm to be published soon
  – Incorporates latest updates in operational arrangements such as:
    • Updates to USIE
    • Removing older forms
    • Encrypted information handling instructions
    • IRMIS related procedures
    • Updates to the ConvEx exercise regime
Assessment and prognosis: Operations Manual

- **EPR – A&P manual** to be published soon
  - Elaborates the IAEA and Accident State assessment and prognosis process - Step by step
  - Provides objectives, expected timing, information sharing processes and review process with the AS

- To be complemented with a **supporting guide** that provides technical basis for process
  - To be available online on assessment tool website
International Assistance: RANET

• 2018 Edition of **EPR-RANET** to be published soon

• New features on USIE 7.0:
  – Allow RANET MSs to update registration details
  – Allow for improved coordination and communication, under the event folder, in case assistance is requested

• A ‘RANET Meeting’: side event to the *CA Meeting under the Early Notification and Assistance Conventions* in June 2018
RANET Developments: JAT Exercise

• First RANET JAT Exercise completed in 2017 in IAEA’s RANET Capacity Building Centre, Japan
International Radiation Monitoring Information System (IRMIS)

- Mechanism for global exchange of large quantities of radiation monitoring data
- Data visualization
- Decision Support Tool
  - Protective measures
  - Time Series Analysis
Development of Safety Standards (1)

- IAEA Safety Standards Series No. GSG-11: *Arrangements for the Termination of a Nuclear or Radiological Emergency*
  - Published March 2018 in joint sponsorship of 10 international organizations
- Pilot Workshop held December 2017 in Vienna
- Next Regional Workshop for Europe:
  - 25 – 28 June 2018, Nicosia, Cyprus
Development of Safety Standards (2)

- **DS475 (Safety Guide on Public Communication):**
  - Addressing comments from Member States
  - Final reviews by respective Committees expected 3Q 2018
  - To be published beginning of 2019

- **DS469 (Safety Guide on EPR in Transport, revision of TS-G-1.2):**
  - Finalizing first draft to initiate formal reviews by respective Committees 2Q – 3Q 2018
  - Expected completion: 2019/2020
Development of Safety Standards (3)

• DS504 *(Safety Guide on EPR, revision of GS-G-2.1)*:
  – Drafting stage, first consultancy to be held in Vienna in April 2018
  – Expected completion: 2021/2022

• DS505 *(Safety Guide on Source, environmental and individual monitoring, revision on RS-G-1.8)*:
  – Drafting stage, consultancies: March and May 2018
  – Technical Meeting: 3-7 December 2018
  – Expected completion: 2021/2022
School of Radiation Emergency Management:

- 3 week training course, to provide a comprehensive training to MS officials involved at mid managerial level in EPR

- 5 Schools held in 2017
  - 146 experts from 68 MSs trained

- 3 Schools planned for 3Q-4Q 2018:
  - Morocco (for MSs in the Africa Region)
  - Austria (for MSs in the Europe Region)
  - TBD (for MSs in the Caribbean)
Further relevant activities:

- Joint WS with EC: WS on EPR aspects of BSS Directive and GSR Part 7
  - Tentatively: September 2018

- First Regional Workshop on self-assessment against GSR Part 7 (EPRIMS) for Europe
  - 14-18 May 2018, Slovenia

- Many training courses and workshops on other EPR topics (https://www.iaea.org/events)
Capacity Building: Webinars

• Topical web-based seminars aimed to:
  – Raise awareness on different GSR Part 7 requirements
  – Discuss requirements and their impact on existing arrangements

• Whenever possible to be jointly organized by international organizations, co-sponsors of GSR Part 7 and other interested organizations
  – Opened for respective counterparts in MSs of the organizing international organizations as well as to relevant international organizations

• Next: Food Safety in a Nuclear or Radiological Emergency, Dates to be confirmed, (IEC/FAO)
• As of April 2018, 100 MSs had appointed Country Coordinators
• Total number of coordinators and user: 353
Capacity Building:
Support tools – EPRIMS (2)

- EPRIMS 2.0 release scheduled for May 2018
- Some highlights of new features:
  - Entering self-assessment information
    - New work flow for entering the module self-assessment
    - De-emphasizing individual EPCs and PIs
    - “Offline” editing
  - Usability improvements
  - Adding Country Profile (CP) for all MS
- Webinars available: Feb, May, June 2018
Peer review - EPREV

- EPREV Guidelines are finalized
  - To be published 2018

- Conducted EPREV:
  - Slovenia - November 2017

- Forthcoming missions:
  - Belarus - October 2018
  - Canada - 2019

- Request received from Cuba
IAEA CRP on EPZ&D for SMR

• **Title:** Development of Approaches, Methodologies and Criteria for Determining the Technical Basis for Emergency Planning Zone for Small Modular Reactor Deployment

• **Duration:** 1 January 2018 – 31 December 2020

• **Objective:** To develop approaches and methodologies for determining need for off-site EPR including sizes of EPZs for SMRs taking account of enhanced safety performance of SMRs and evaluating design-specific, defence-in-depth and site-specific technical basis

• **Outcome:** To be used as basis for development of revised/new technical guidance (EPR Series document)
Mark the calendar - 2018

• CAM under the Early Notification and Assistance Conventions – 18-22 June 2018

• International Symposium on Communicating Nuclear and Radiological Emergencies to the Public – 1-5 October 2018
To Conclude

• EPR – Continuous Efforts
  – to maintain and further enhance national and international EPR capabilities and arrangements for effective response to nuclear and radiological emergencies in line with up-to-date safety standards, and addressing topics identified as priorities
Thank you!

iec.iaea.org
iec-information@iaea.org
@IAEAIEC