Emergency Response to Incidents and Accidents involving the Transport of Radioactive or Nuclear Materials

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Emergency Response to Transport Accidents

- Transport of dangerous goods, including radioactive materials occurs every day
  - Land, sea and air
- Transport accident happen every day
  - Primarily on land but also during sea and air shipments
  - Don’t know where, when or what is involved
  - Radiological consequences normally low
  - Public and political consequences potentially high
Review and drafting

- Consultancy meetings 2010
- Virtual technical meeting 2011
- Coastal and shipping States meetings

- Draft response guidance prepared
  - But it needs more definition
Basic elements of a Response

- Initial notification
- Information gathering
- First response
- Specific response
- Medical response
- Environmental monitoring

Public Information
Issues that need to be resolved

- Engage more stakeholders
- Harmonize with current conventional emergency response protocols for transport and radiological emergencies
- Preparedness or response guidance?
- Update existing IAEA guidance
- Validation of guidance
Who are the stakeholders

- All stakeholders need to be identified
  - Radiological transport community
  - Radiological/nuclear EPR community
  - First responders
    - Police, fire, ambulance
  - Land, air and sea responders
  - Medical community
  - Public
  - Public communicators
  - Politicians
Preparedness or Response?

• Both are needed!!!
• TSG-1.2 provides good guidance
  • 10 years old and needs to be updated
  • Consistent with latest EPR and transport standards and guides
  • Requires more specific guidance for all modes of transport based on current response protocols
Emergency Response Guidance

- Practical response guidance under EPR series
- EPR and transport response experts
- Consolidate action guides and instructions from:
  - EPR First Responders
  - EPR Medical
  - EPR Public communications (DRAFT)
  - EPR Field Manual (DRAFT)
- Specific guidance for each mode
The way forward

• DPP is required to update TSG-1.2
• EPR series document prepared in parallel
• All stakeholders need to be identified
• Engage all stakeholders
• Identify all the issues
• Identify established convention response systems
  • At all levels and for all modes
• Implement radiological/nuclear EPR with existing responses
• Validate through exercises
Thank you