ASN and emergencies

1. An organization established by law and tested on regular basis
2. Independent nuclear safety authority for civil installations and activities: ASN (with the support of IRSN)
3. Numerous exercises – importance to test regularly the organization (drill St Laurent NPP 11-12 June)
   - Annual exercises in each NPP organized by the operator
   - 10- ´ Q D W L R Q D O H [H U F L V H V on-site and off-site emergency organizations
     - Participation of population in some exercises (drill on Gravelines N
     - Simulated media pressure in drills to train the Spokespersons and communication teams
   - Observation and/or participation of neighboring countries (G U L O O ´ * U D Q G H 5 p J L R Q µ R Q & D W W notification tools)

ASN and emergencies

4. Strong involvement of national stakeholders & / , V + & 7 , 6 1 «
   1. Involvement in the post-accident works (CODIRPA)
   2. , Q Y R O Y H P H Q W L Q W K H S U H S D U D W L R Q

5. Bilateral and regional cooperation in emergency preparedness and response need of a coordination between European countries in the event of an accident in Europe (lessons from Chernobyl and Fukushima accident)
   - Regular meetings between ASN and regulatory bodies of neighboring countries (43 bilateral meeting with German counterparts on EP&R «)
   - : * R Q K D U P R Q L] D W L R Q R Q - L F R G X L Q Q W H U 1 H W R
     Be, Lu, De, Fr, Ch , that led France to lower its intervention level fro
     100 mSv to 50 mSv)
   - Mutual observation of exercises and crossed participations

French strategy on post-accident

The CODIRPA was implemented from 2005 to establish the framework, define, prepare and implement the steps necessary to deal with a post-accident situation

The CODIRPA : a pluralistic structure

- National and local administrations, expert bodies, operators
- Non-institutional members: NGOs, local elected officials, professional unions, experts and constants
- Foreign radiation protection authorities (Germany, Switzerland, Luxemburg)

Topics addressed *(technical reports available on www.asn.fr)*

- Drinking water, foodstuffs, radioactivity measurements, health monitoring, remediation, waste management, protection of emergency workers, compensation, organization of public authorities, information of the public and radiation protection culture

Test of the doctrine at local level (3 NPP sites and one local community)

Around 300 experts involved in its activities

2 international seminars in Paris (Dec. 2007 and May 2011)

Publication in 2012 (www.asn.fr) and wide dissemination to stakeholders - English and Japanese versions available (Russian version soon available)

French strategy on post-accident

At national level

1. New governmental action plan on nuclear emergency (2013) incorporates CODIRPA recommendations
2. Recent decision of the Gvt to update local emergency plans (for each NPP site) introducing the main post-accident protective actions
3. Recent decision of the Gvt requesting to ministries (health, D J U L F X O W X U H H Q Y L W R Q P H Q W R S H U Q H taking into account the CODIRPA recommendations

At international level

1. European: integration of post-accident protective actions in future work of HERCA WG on Emergencies,
2. Multilateral (IAEA, NEA) and bilateral: contribute with French experience, exchanges with neighboring countries and learn from international experience and developments.

Ongoing works/Perspectives

In the aftermath of the Fukushima accident

- Implementation of the Stress Tests conclusions including:
  - Hardened safety core, additional site equipments
  - Nuclear rapid response force (EDF FARN)
  - 6 X E F R Q W U D F W R U V F R Q G L W L R Q V «
- Emergency preparedness and recovery
  - Intensification of the post-accident works (long releases scenario, severe accident, support to Gvt to update local emergency plans)
  - Participation to the Governmental work on national emergency preparedness and response
  - ASN emergency centre reorganization in 3 sections (strategy, technical, communication)
- International initiatives (& , $ ($ 1 ($ + (5 & $: (

ASN proposal on an European approach to crisis management

Main principles

- Primary responsibility of the affected country in the response
  - Primary responsibility of the operator to enhance its emergency preparedness organization and crisis management means
  - Ensure a long-term protection of population and the environment
  - Restore the plant to a safe condition
  - Inform concerned stakeholders (national and international) – foreign countries need to have access to appropriate data in order to fulfil missions of protection of the population
- Provide an European support to the regulatory body of the affected country (sending of liaison officers)
- Promote harmonization of approaches and criteria implemented for the protection of population and the environment during both emergency and post-accident phases

ASN proposal on an European approach to crisis management

4 main orientations

1- Enhance preparedness (prior to the accident)

- Reinforce the mutual understanding in order to better cooperate in emergencies and to ensure better consistency
  U H J D U G L Q J S U R W H F W L Y H D F W L R

2- To cope with the first stages of an accident

- Affected country must provide all information available
  V W D W X V R I W K H V L W H S U R W H F W
- Importance for neighboring countries to align the affected country decisions as much as possible in the first hours after an accident occurs

ASN proposal on an European approach to crisis management

4 main orientations

3 - Share / pool expertise resources (common expertise) from various countries

- To be in capacity to draft a common situation report and to support the affected country
- To ensure implementation of concerted and consistent measures

4 - To provide all stakeholders with a consistent information

- Sharing / pooling of expertise resources ➔ consistent communication ➔ public trust

➔ key role of IAEA: ensure a consistent approach

Conclusions

- Essential to continue harmonization efforts towards a consistent protection of the European population
  - Reinforcement of bilateral/regional drills to test and improve the emergency preparedness and response organization
  - Participate and promote the ongoing work on the coordination of European countries in emergency preparedness and management (HERCA-WENRA)
- Intensify the development and the implementation of the post accident doctrine
- Continuation work with stakeholders

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