Agenda Item: RW3.4

DS427: A general framework for prospective radiological environmental impact assessment and protection of the public

(Original title in the DPP: Radiological Environmental Impact Assessment for Facilities and Activities)

Diego Telleria
Waste and Environmental Safety Section/ NSRW
Objectives of the presentation

• Resolution of MS’ comments to DS427 Draft 6-03/2015 (deadline for comments 20th July).
• Resolution of Committees’ comments to DS427 Draft 7-08/2015 (deadline for comments 9th October).
• Consideration by Committees’ to Draft 8–10/2015, for submission to CSS.
Comments were received from: Germany, Switzerland, Sweden, Australia, Japan, USA, China, Turkey, Finland, Canada, France, Czech Rep., Lithuania, India, UK and ENNIS.

19 General (100% accepted).

~350 comments to 195 paragraphs

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Technical issues pending discussion: To be discussed later in this meeting.

Editorial issues pending resolution and full consistency with DS432 and DS442: At the final review by Standards Specialists before submission to CSS)
Committees’ comments to DS427 Draft 7-08/2015

- Comments were received from: Japan, Germany, Finland, USA, ENISS and WNA
- 6 General (100% accepted).
- ~35 comments technical and editorial

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- Editorial issues pending resolution and full consistency with DS432: At the final review by Standard Specialists before submission to CSS).
- Tables of resolutions and DS427 Draft 8 uploaded 23/10/2015.

Note: Resolution of comments by UK to Draft 7 were finally posted on the web last week (with apologies). Resolution of late comments by France were posted last week. The accepted comments will be incorporated before submission to CSS.
Consideration by Committees’ to Draft 8–10/2015, for submission to CSS

- **Pending technical issues** (from comments):
  - Data used for characterizing the environmental dispersion processes (atmospheric and aquatic):
    - “At least 1 year” (NS.G.3.2), versus “at least 3-5 years”.
  - Annex III: Examples from M. States
    - It was useful to prepare the Safety Guide but, should we keep or we let this for a planned TECDOC on applications?
  - Title: ‘Prospective Radiological Environmental Impact Assessment and Protection of the Public for Facilities and Activities’
Consideration by Committees’ to Draft 8–10/2015, for submission to CSS.

• It is the opinion of the Secretariat that:
  • DS 427 has improved significantly, thanks to contribution from MS and the Committees.
  • There is a general consensus in the graded approach proposed to assess prospectively the radiological impact of a wide range of installations.
  • Exposures due to normal operation and potential exposures is a comprehensive manner to consider risk in prospective assessment, in line with BSS and other requirements.
  • Interrelation with other Safety Standards and consistency with DS432 and DS442 is ensured.
  • Discussing flora and fauna exposures assessment, in an Annex as an example, is considered a reasonable step forward.
Thanks!

D.Telleria@iaea.org