42nd Meeting of the Radiation Safety Standards Committee
43rd Meeting of the Waste Safety Standards Committee

13 – 14 June 2017

Agenda Item RW2.1

Update from the 41st meeting of the CSS

Dominique Delattre
Head – Safety Standards and Security Guidance Development Section
NSOC
Roadmap for the long term structure of Safety Standards

- GSR part 1 published and Rev.1 published
- GSR Part 2 published
- GSR Part 3 published
- GSR Part 4 published and Rev.1 published
- GSR Part 5 published
- GSR Part 6 published
- GSR Part 7 published

- SSR 1 STEP 7 IIQ 2017 (DS484)
- SSR 2.1 published and Rev.1 published
- SSR 2.2 published and Rev.1 published
- SSR 3 published
- SSR 4 approved at 41st CSS meeting; Board of Governors September 2017
- SSR 5 published
- SSR 6 published
Status of endorsed Safety Standards (1/4)

Safety Standards published recently:

SSG-42: Safety of Nuclear Fuel Reprocessing Facilities (DS360)
Safety Standards endorsed for publication:

- Safety of Nuclear Fuel Cycle Research and Development Facilities (DS381), approved by PC Dec. 2015
- Radiation Protection and Safety in Medical Uses of Ionizing Radiation (DS399), approved by PC Jul. 2016
Safety Standards endorsed for publication:

- Radiation Protection of the Public and the Environment (*DS432*), approved by PC Mar. 2017
- Prospective Radiological Environmental Impact Assessment for Facilities and Activities (*DS427*), approved by PC Feb. 2017
- Regulatory Control of Radioactive Discharges to the Environment (*DS442*), approved by PC Feb. 2017
- Decommissioning of Nuclear Power Plants, Research Reactors and Other Nuclear Fuel Cycle Facilities (*DS452*), approved by PC Mar. 2017
- Safety of Nuclear Fuel Cycle Facilities (*DS478*), approved by PC April 2017
- Ageing Management and Development of a Programme for Long Term Operation of Nuclear Power Plants (*DS485*), submitted to PC
Status of endorsed Safety Standards (4/4)
Main results of the 41st CSS (1/4) – Drafts and DPPs

The following draft Safety Standards were endorsed for publication:

- DS478: Draft Safety Requirements on Safety of Nuclear Fuel Cycle Facilities (revision of NS-R-5 (Rev. 1))

The following DPP was approved:

- DS498: Draft Safety Guide on External Events Excluding Earthquakes in the Design of Nuclear Installations (revision of NS-G-1.5)
Main results of the 41st CSS (2/4) – UNSCEAR Report

A CSS Working Group was set up to consider the implications of the UNSCEAR report “Attributing Health Effects to Ionizing Radiation Exposure and Inferring Risks” for the development of IAEA safety standards, using as a basis the proposal submitted by Argentina and Australia. The Working Group will include the CSS members from Argentina, Australia, Finland and USA, as well as the Chairs of EPRcS, RASSC and WASSC and staff of the Secretariat. The UNSCEAR and ICRP Secretariats would also be invited to contribute.

The Working Group was requested to prepare a report for consideration at 42nd CSS on both the potential implications for the content of the safety standards and the potential implications for the implementation of and communication on the standards.
Main results of the 41st CSS (3/4) – INSAG-27

The Secretariat presented an overview of how the standards reflect the concept of ‘institutional strength in depth’ as set out in INSAG-27.

Conclusion – taken together, the standards and review services do address the three sub-systems (regulator, operator, stakeholder) identified in INSAG-27

A 2nd more in-depth assessment to be conducted of the implications of INSAG-27 report on the standards and review services to consider what further actions are needed.
Main results of the 41st CSS (4/4) – Improvements in the publishing process

• Permission granted to reproduce or translate a standard will automatically extend to future revisions of that standard, without the need for further requests.
• Drafts will be approved in a two-step process by the Publications Committee, which will enable the CSS to learn about substantive comments at an earlier stage than before.
Publication process amendment

Proposed process going forward from TBD

- Publication
- Establishment as an IAEA safety standard publication by the Publications Committee

Board of Governors
Director General

Review of the draft publication by the CSS
Review of the draft publication by the Publications Committee

STEP 11: Second review of the draft publication by the review Committee(s)
STEP 10: Second internal review of the draft publication
STEP 9: Addressing comments by Member States
STEP 8: Soliciting comments by Member States
STEP 7: First review of the draft publication by the review Committee(s)
STEP 6: First internal review of the draft publication
STEP 5: Preparing the draft publication
STEP 4: Review of the DPP by the CSS or information of the CSS
STEP 3: Review of the DPP by the review Committee(s)
STEP 2: Internal review of the DPP
STEP 1: Preparing a Document Preparation Profile (DPP)
Thank you!