Commission on Safety Standards
43rd Meeting
11 to 12 April 2018

Status report

Dominique Delattre
Scientific Secretary of the CSS, IAEA/NSOC/SSDS
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 11
- SSR 2.1 published and Rev.1 published
- SSR 2.2 published and Rev.1 published
- SSR 3 published
- SSR 4 published
- SSR 5 published
- SSR 6 published – Revision edited in MTCD and final version approved by the BoG in March 2018 - To be published soon
Status of endorsed Safety Standards (1/5)

Safety Standards recently published:

- **GSG-11** Arrangements for the Termination of a Nuclear of Radiological Emergency (*DS474*)
- **GSG-8** Radiation Protection of the Public and the Environment (*DS432*)
- **SSG-44** Establishing the Infrastructure for Radiation Safety (*DS455*)
Status of endorsed Safety Standards (2/5)

Safety Standards endorsed for publication:

• Occupational Radiation Protection (*DS453*), approved by PC Jul. 2016, editing done, final layout

• Radiation Protection and Safety in Medical Uses of Ionizing Radiation (*DS399*), approved by PC Jul. 2016, editing done, final layout

• Predisposal Management of Radioactive Waste from the Use of Radioactive Material in Medicine, Industry, Agriculture, Research and Education, (*DS454*) approved by PC Jul. 2016 Editing started

• Prospective Radiological Environmental Impact Assessment for Facilities and Activities (*DS427*) approved by PC Feb. 2017, editing started

• Regulations for the Safe Transport of Radioactive Material, 2018 Edition (*DS495*) approved by PC and by the BoG in March 2018, editing done, final layout
Status of endorsed Safety Standards (3/5)

Safety Standards endorsed for publication:

- 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 Standards endorsed for publication:


- Operating Experience Feedback for Nuclear Installations (DS479: approved by PC in November 2017, edited and approved by the CSS in April 2018. Under layout and composition. To be issued as SSG-50
Status of endorsed Safety Standards (5/5)
Effect of the process change and additional resources:
Time from end of step 8 to publication
Effect of the process change and additional resources:
Time from step 11 to publication

![Graph showing time from step 11 to publication](image-url)
Results of the 43rd CSS meeting (1/3)

In addition to the 3 approved safety guides DS472, DS473 and DS479 already mentioned, the CSS approved the following DPPs:

• DS508: Draft Safety Guide on Assessment of the Application of General Requirements for Design of Nuclear Power Plants

• DS509: Draft Safety Guide on revision by amendment of Safety Guides for Research Reactors (NS-G-4.1 to NS-G-4.6, SSG-10 and SSG-37)

• DS510: Draft Safety Guide on revision of Safety Guides for Research Reactors (SSG-20 and SSG-24)

• DS511: Draft Safety Guide on revision of Safety Guides for Research Reactors (SSG-22)

Policy discussion:

The Commission endorsed the recommendations of the consultants’ meeting of 14–16 February 2018 to consider the implications of the 2012 UNSCEAR Report “Attributing Health Effects to Ionizing Radiation Exposure and Inferring Risks” for the development of IAEA safety standards. Furthermore, the Commission formulated recommendations for the safety standards committees to take actions to begin implementing these recommendations at their meetings in June/July 2018.
Resulting actions involving the Committees:

43.03 The CSS recommends that a Safety Report be prepared — by experts from each of the five SSCs and with the involvement of NSGC and the Secretaries of ICRP and UNSCEAR — to address Recommendation 2 from the consultants’ meeting report and specifically to provide practical guidance, including case studies, on:

- How to apply the concept of retrospective attribution of radiation health effects;
- The prospective inference of health risks from radiation exposures;
- The prediction of notional health effects for comparative purposes (e.g. the use of collective dose).

The Committees should identify experts at the June/July SSC and NSGC meetings to participate in the drafting of the Safety Report starting in Quarter 4 of 2018. [Action: SSCs and NSGC, Secretariat]

43.04 The CSS recommends that the SSCs undertake a review of SF-1 at the June/July 2018 meetings and report back at the 44th CSS meeting in November 2018. Depending on the outcome of these reviews, the Secretariat could make arrangements for the development and approval of a draft DPP in 2019 for the revision of SF-1. Work on the revision could then start in 2020. [Action: SSCs, Secretariat, CSS Scientific Secretary, CSS]
Thank you!