

ICRP Committee 4 Meeting

August 22–27, 2016 – Saskatoon, Canada

The Committee reviewed two reports dealing with existing exposure situations: ***TG 76: Radiological Protection against Enhanced Exposure from Industrial Processes using NORM***, and ***TG 98: Exposures resulting from Contaminated Sites from past industrial, military and nuclear activities***, with a view to a consistent approach towards occupational, public and environmental exposures.

The C4 reviewed the report of ***TG 93 on Protection in the event of a nuclear accident - Update of Publications 109 and 111***. The report will update and replace the previous publications, on the emergency situation and the post-accident recovery phase, with a focus on reactor accident. The draft report is expected to be ready for a public consultation later in 2017.

The draft report of ***TG 94 on Ethics of Radiological Protection*** describes the core ethical values of beneficence/non-maleficence, prudence, justice and dignity, and its procedural aspects. After special consultation through IRPA and a special session in IRPA 14 Congress, the draft is expected to be ready for a public consultation in 2017.

The C4 reviewed other issues, including ***TG 97 on Surface and Near-Surface Waste Disposal***, topics identified by Special Liaison Organisations of ICRP (SLOs), Terminology and Definitions (MC-TG92), detriment and dose rate effectiveness (C1-TG91 and WP), effective dose (C2-TG79) and occupational exposure in medicine (C3-TG89 and WP).

The C4 also discussed its program of work for the next term, and plans to propose to the Main Commission several new TGs related to protection of the environment, radiological accidents, mobile high activity sources, reasonableness and tolerability, and jointly with C3, ethics in medicine. The C4 also discussed the need to prepare a Plain Language Summary of *Publication 103*, a document related to the Understanding of Categories of Exposure (what are occupational and public exposures?) and a Plain Language Explanation for Applications to Radon. The C4 also intends to initiate a reflection with C3 on the issue of Radiological Protection in Veterinary Applications and to continue the interaction with SLOs to identify topics.

Finally, the C4 held a seminar with AREVA/CAMECO on the system of radiological protection. The next meeting of C4 will take place in Paris, France, in October 2017, together with the MC and the other Committees and in conjunction with the fourth ICRP International Symposium on the System of Radiological Protection.