

ICRP Committee 4 Meeting

September 24-28, 2012 – Moscow, Russia

Committee 4 (C4) of the International Commission on Radiological Protection (ICRP) met in Moscow, Russia, September 24-28, 2012. The meeting was hosted by the Burnasyan Federal Medical Biophysical Centre (BFMBC). Members, and observers from EC, IAEA, ILO, IRPA, NEA and WHO, appreciated the excellent arrangements and extended hospitality of the BFMBC team.

The work of 8 Task Groups (TG) was reviewed:

- **C3 TG 67 Assessment of Radiation Exposure in Space:** the draft report is under revision after public consultation and will be sent to MC for approval for publication.
- **C4 TG 71 Radiological Protection in Security Screening:** the draft report is under public consultation. After revision it will be sent to the MC for approval for publication.
- **C4 TG 76 Radiological Protection against Enhanced Exposure from Industrial Processes using NORM:** the draft report is still in preparation.
- **MC TG 79 Effective Dose:** the preparation of the draft report is still on-going.
- **C4 TG 80 Radiological Protection in Geological Disposal of Long-Lived Solid Radioactive Waste:** the report will soon be issued as *Publication 122*.
- **C4 TG 81 Radiological Protection against Radon Exposure:** the draft report is under revision after public consultation.
- **C4/C5 TG 82 ICRP Approach for the Protection of the Environment:** the draft report is under public consultation. C4 provided comments and proposed rearrangements.
- **C4 TG 83 Radiological Protection against Cosmic Radiation in Aviation:** the draft report is still in preparation.

C4 also discussed the **ethical basis** of the system of radiological protection (RP) and its implementation in emergency and existing exposure situations.

A review of the implications of the **Fukushima accident** for the system of RP benefited from detailed presentations by Japanese members of C4. It was agreed that **Publications 109 and 111** have been successfully used in Fukushima and are a good basis for continued work. Particular attention was given to **emergency responders**. The need to revisit the tolerability of risk concept was recognized.

For the future, the C4 is envisaging continuing its work on **disposal of radioactive waste** and will pursue work on **legacy sites**, **safety/security of sources** and **RP advice on assessing severe accidents consequences**.

The next meeting of C4 will take place in Abu Dhabi, UAE, in October 2013, in conjunction with the joint meetings of the Main Commission and other ICRP Committees, as well as the second ICRP Symposium on the International System of Radiological Protection.