REGULATIONS FOR THE SAFE TRANSPORT OF RADIOACTIVE MATERIAL (TS-R-1 / SSR-6)

- No issues requiring urgent revision were identified.

- In the framework of the next review and revision cycle, the need to enhance the provisions regarding emergency response should be considered.

- It is recognized that the tests in the Regulations address very challenging accident conditions but conditions that could arise from very unlikely but possible natural events have not been considered. A Working Group should be set up to review the tests and to evaluate the need for additional tests, such as burial. Any outcome should be available before the next review cycle. This Working Group should draw maximum benefit from and coordinate with the ongoing “Technical Basis” effort.

ADVISORY MATERIAL FOR THE IAEA REGULATIONS FOR THE SAFE TRANSPORT OF RADIOACTIVE MATERIAL (TS-G-1.1)

- Additional guidance should be developed regarding hydrogen generation and explosion, multiple high standard water barriers (para. 677 in 2009 Edition of TS-R-1), transport mode and conveyance specific items.

- Guidance on special arrangement for emergency transport should also be developed.

PLANNING AND PREPARING FOR EMERGENCY RESPONSE TO TRANSPORT ACCIDENTS INVOLVING RADIOACTIVE MATERIAL (TS-G-1.2)

- The Document Preparation Profile (DPP) for the revision of TS-G-1.2 should be finalized as early as possible and take into account lessons 5, 6, 11 to 13, 15 to 25 and the corresponding gap analyses.

- When revising TS-G-1.2, all the IAEA documents recently published and dealing with emergency preparedness and response should be taken into account.

- Guidance on communication in case of a transport related accident involving multiple countries and mutual assistance (including the IEC of IAEA) should be improved in TS-G-1.2 (e.g. the IMO and ICAO search and rescue conventions could be considered).

SAFETY CULTURE

- Safety Culture should be specifically addressed in TS-R-1 and sections dealing with Safety Culture in Guidance documents should take into account all IAEA requirements which were recently published, including the latest edition of the BSS.