

Relationship with ICRP

TG106 HASS

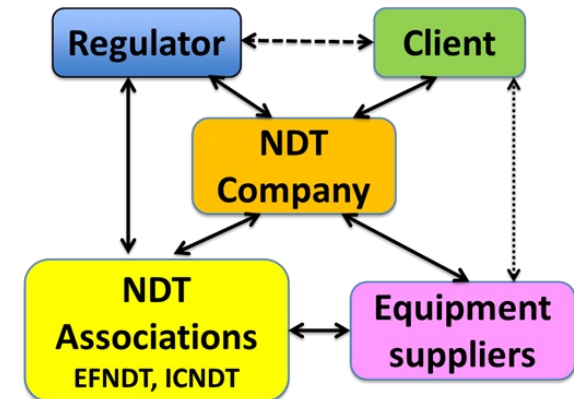
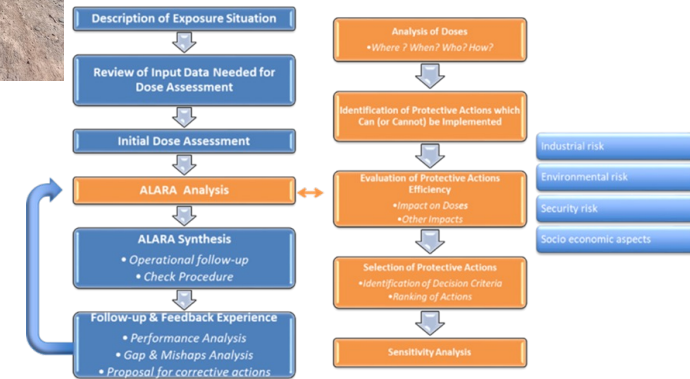
Application of the Commission's Recommendations to activities
involving mobile high activity sources

Meeting on 5th December 2023

- Feedback from ICRP C4 meeting in Tokyo
- Progress in drafting sections of the report. Difficulties found. Need for clarifications.
- Contribution by mentee Yang Jie on radiological incidents and accidents
- Revision of the planning of activities
- Next meeting online and in person (in Sweden)

Progress

- ICRP Task Group 106
- Application of the Commission's Recommendations to activities involving mobile high activity sources
 - Characteristics of Mobile High Activity Sources
 - Types of Industrial Activities using high activity sources :
 - Types of sources and radionuclides
 - Working environments
 - System of Protection (Eduardo, Fernand, Bernard, Margeret)
 - Justification
 - Dose limits dose constraints (is there guidance on DC)
 - The ALARA procedure → from ALARA, A practical guidebook
 - *Relationship of Radiation Protection Culture to Optimization and radiological protection, safety culture*
 - layers of protection
 - Avoiding overexposure and emergency preparedness
 - Public exposure
 - Radiological Protection planning in highly variable environments
 - Interaction with the user company
 - Security transportation
 - Training, competencies and qualification



Abstract for IRPA 16 TG 106 activities

- **Abstract Title:**
- ICRP Task Group 106 on the Application of the Commission's Recommendations to Activities Involving Mobile High Activity Sources
- **Abstract Text:**
 - Recognizing the need to describe and clarify the application of the ICRP Recommendations for the radiation protection of workers, the public and the environment from activities involving high activity mobile sources, ICRP created a Task Group (TG 106) with the aim to develop a report that will cover uses of sealed sources in industrial radiography, and other instances in which high activity sources are used in a mobile setting, rather than fixed location. Radiological protection in such situations is unique because the prevailing circumstances are constantly changing, and the location and control of individuals is not defined by any permanent structures or shielding. Further, the circumstances are often complex, with a variety of geometries, constantly changing locations, access restrictions, and environmental conditions such as limited workspaces, vertical heights, working at night, and weather.