



IRSN support to FNRBA

Implementation of a RPO organization in Africa

FNRBA Plenary Meeting
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What's up at IRSN?

- ❖ Closing of ENSTTI* in December 2020 → training activities taken over by IRSN Academy from 2021
- ❖ Signature of a **IAEA-IRSN partnership** for a **IAEA Capacity Building Center (CBC)** focus on "**medical preparedness and response to nuclear and radiological emergencies**") on 21st September 2021
→ potential support of training activities by IRSN in this field

* European Nuclear Safety Training and Tutoring Institute



IRSN proposal to implement a RPO system in Africa – the history

- ❖ Provide practical **definition of knowledge, skills, and attitudes (KSA)** for an RPO
- ❖ Share elements from **concrete examples of implementation in France**
- ❖ Included in the **FNRBA 2019-2021 workplan (Activity 9 - Development of qualification system for RPO)**
- ❖ **IRSN's commitment confirmed by DG J.C. Niel** at the FNRBA plenary meeting in 2020
- ❖ Incorporation in the **Activities and Action plan for 2021 of TWG 2 “Radiation and Waste Safety” - (TWG 2 coordination meeting in February 2021)**
- ❖ **Updated programme in June 2022** after meeting to address IAEA comments and FNRBA TWG2 request (A Faanu) in Feb 2022.

IRSN project proposal

- ❖ Organization of **two 2-day seminars** (French and English-speaking countries):
 - Recall by IAEA on **General requirements** of the International Safety Standards for Radiation Protection and the Safety of Radiation Sources
 - **Role and duties** of Radiation Protection Officers (RPO)/ Training needs of RPOs
 - **Definition of KSA for RPO** and the **organization to set up** for the implementation (training, certification, control...)
 - Illustrations on how French training centers have translated the elements of the **RPO requirements into practical training and training evaluation**
 - Through **interactive sessions and visits of facilities** to illustrate in practice what is the role of the RPO

Project implementation

- ❖ **Selection of 10 candidates** / session by IAEA in coordination with IRSN and FNRBA Steering Committee
- ❖ The candidates need to be **representatives of the national authorities** in charge to define and implement the RPO organization
- ❖ **Participants will be hosted by IRSN** which provides experts, meeting rooms, and catering services

THANK YOU FOR YOUR ATTENTION

Draft agenda for seminars 1 and 2

Day 1 - Morning

Introduction of the seminar

- ❖ Welcome address by the IRSN
- ❖ Welcome address by the FNRBA
- ❖ Welcome address by the IAEA Technical Cooperation Africa Division

Introduction by the IAEA

- ❖ General requirements of the International Safety Standards for Radiation Protection and the Safety of Radiation Sources
- ❖ Role and duties of Radiation Protection Officers (RPO)/ Training needs of RPOs

Introduction of the European and French approaches

- ❖ General requirement of the European Directive elaborated from the IAEA BSS and his transposition/implementation in France (speaker: IRSN)

Draft agenda for seminars 1 and 2 (cont.)

Day 1 - Afternoon

Practical examples of KSA and training of RPOs in France

- ❖ Practical definition of KSA and training of RPOs in France. It is proposed to provide concrete examples of their implementation (speaker IRSN)

Interactive session* to define KSA for RPO and their implementation (part 1)

- ❖ Introduction of the organization of the interactive session
- ❖ Presentation of the different items to be addressed (training, control...)

** The interactive session will be based on popularly used methods of innovation*

Draft agenda for seminars 1 and 2 (cont.)

Day 2 - Morning

Interactive session to define KSA for RPO and their implementation (part 2)

- ❖ Co-build the main elements of a global organization to implement
- ❖ Design the RPO system in FNRBA countries (initial training, certification, control, transnational organization...)
- ❖ Take into account the national and FNRBA contingencies and specificities

Day 2 - Afternoon

Interactive session (cont.)

Visit of an irradiation facility with the participation of an RPO (all participants)

Summary – Conclusion of the seminar (all participants)

Organization of the interactive session

Open questions and needs to facilitate the organisation

- ❖ Is the objective to implement **the same system** in each FNRBA countries?
- ❖ Do you plan to set up **common tools/means** among FNRBA countries (*training, control...*)?
- ❖ What are the **outcomes of ongoing discussions** within FNRBA TWG 2?
- ❖ Are there already **existing practices** in some countries?
- ❖ To get the most relevant interactive session, the preparation should **involve 1 or 2 FNRBA representatives** aware on the expectation
- ❖ ... all useful information!