ENETRAP III European guidance on the implementation of the requirements of the Euratom BSS with respect to education and training for RPE and RPO

Tom Clarijs¹, Michèle Coeck¹
Richard Paynter², Joanne Stewart³, Annemarie Schmitt-Hannig⁴, Antonio Falcao⁵

¹SCK•CEN Belgium, ²EUTERP The Netherlands, ³HPA UK, ⁴BfS Germany, ⁵IST-ID Portugal

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7FP coordination action in Fission-2012-5.1.1: Euratom Fission Training Schemes (EFTS) in ‘Nuclear Fission, Safety and Radiation Protection’ (ref.nr. 605159)

“Follow-up” of ENETRAP 6FP, ENETRAP II 7FP

Started June 2014

Key words: training of RPE and RPO, policy development, mutual recognition, cross-border mobility
ENETRAP III | 2014-2018 schematic overview

Project coordination

Policy

WP2: think-tank activities, regulatory and consultancy group

WP7: writing guideline on implementation of E&T as described in revised BSS

Implementation

WP3: specialized training modules for RPE in medical, geol. disposal and NPP
WP4: train-the-trainer
WP6: test methodologies for RPE (mutual) recognition

Dissemination

WP5: website development & open mid-term project workshop
EU requirements may appear quite clear, however: varying approaches in implementation on the national level

Work in ENETRAP and ENETRAP II projects on RPE + RPO
- Results: presented and discussed in EUTERP Workshops
- Input: concepts of RPE and RPO in the revised Euratom BSS

The Euratom BSS (2013/59/Euratom) specifies requirements for the Radiation Protection Expert (RPE) and for the Radiation Protection Officer (RPO).

Member States must translate the goals and requirements into their national legislation before February 2018.
WP7 other considerations

- **DG ENERGY**
  - Euratom BSS (2013)
  - SET-Plan Roadmap E&T (Strategic Energy Technology, 2014)

- **DG Education & Culture**
  - ET 2020 (Strategic framework for European cooperation in education and training, 2009)
  - EQF/ECVET (European Qualification System; European Credit System for Vocational Education and Training, 2008/2009)

- **DG Research and Innovation**
  - Euratom FP7 and H2020 projects

- **HERCA TG E&T (2013)**
Drafted by WP7 members: BfS, EUTERP, HPA, SCK•CEN, IST-ID

WP 7 Meeting on 24 September 2014 in Brussels
- Documents (BSS requirements, RP 174 + 175, results of the activities of the HERCA Task Force on E&T) were reviewed

WP 7 Meeting on 12/13 February 2015 in Munich
- Discussion of the first draft of the guidance document; document was sent to HERCA in May 2015

HERCA Workshop RPE-RPO on 6-8 July 2015 in Paris

EUTERP Workshop, 30 Sep – 2 Oct 2015 in Athens

=> Comments included, text consolidated, submission of the Guidance Document to EC RTD as ENETRAP III Deliverable
Also comments of DG ENER are included

Next step: Art. 31 Group of Experts Meeting, May/June 2016

=> Aim: guidance to be published in the Radiation Protection Series of the EC
Title: European Guidance on the Implementation of the Requirements of the Euratom BSS with respect to RPE and RPO

Scope:
- provides guidance to regulatory authorities and professional bodies on the roles of the RPE and RPO, as defined in the BSS
- specifies the knowledge, competencies and practical skills of RPEs and RPOs for the effective implementation of their roles
- specifies the core training requirements for RPEs and RPOs
- describes a process for the national recognition of RPEs
- provides guidance on the development of mutual recognition processes between Member States.
2. Overview of the Euratom BSS Requirements for RPE and RPO

2.1 Role, functions and duties of the Radiation Protection Expert (RPE)

2.1.1 Competence

2.1.2 Suitability

2.2 Role, functions and duties of the Radiation Protection Officer (RPO)

2.2.1 RPO competence and suitability

2.2.2 RPO recognition and appointment

2.3 Interactions between the RPE and other professionals in RP

2.4 Requirements for education and training for RPE and RPO
3. The Radiation Protection Expert (RPE)

3.1 The activities of the RPE (Table 1: Advice expected from the RPE (topics for advice and associated activities))

3.2 RPE development: core competence (Table 2: Basic requirements for core competence)

3.2.1 Education

3.2.2 Training and development (Table 3: Required Skills and competencies for the RPE (for each topic for advice))

3.2.3 Work/operational experience / on-the-job training

3.3 Arrangements for RPE recognition

3.3.1 Establishment of an RPE recognition scheme/framework

3.3.2 Routine Operation (Table 4: Evidence of competence), (Table 5: Examples of suitable evidence)

3.4 Transferability/acceptance of RPE status between Member States (Table 6: Aspects to be addressed in accepting RPE Status in other MS)

3.4.1 Criteria for mutual recognition

3.5 Mechanism for mutual recognition

3.6 European Qualification arrangements (Table 7: Descriptors defining EQF levels)
4 The Radiation Protection Officer (RPO)

4.1 The duties of the RPO *(Table 8: Primary duties of the RPO)*

4.2 Core competence requirements *(Table 9 and 10: Core learning outcomes for RPO)*

4.3 Educational requirements

4.4 Training requirements

4.5 Work experience required

4.6 Further requirements

4.7 Assessment of competence

4.8 Maintenance of competence

4.9 Recognition and appointment

4.10 Mechanism for mutual recognition
Conclusion

- WP7 guidance document = tool for Member States
- Gives a basis for further development of mutual recognition (WP6)
- Follow-up of use and implementation in
  - ETRAP international conference, May 2017 in Valencia
  - European IRPA E&T session / EUTERP Workshop 2018