



Challenge of implementing RPE RPO in Belgium

Guidance document

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BVS-ABR working group



Belgian Association for Radiological Protection

Member of IRPA, active since 51 years

~ 400 members

Since 2012 : Implementation of RPE – RPO in Belgium ?

- Working group created in 12/12
- Validation of the guidance document in 03/14
- Will be presented to regulatory body (FANC) in 05/14



A multidisciplinary team



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Structure

Status

Tasks

Responsibility

Entry requirements

Basic education in RP

Recognition

Continuous education



RPE



Status

- Can be someone from the establishment.
For some inst. (ex. NPP) : have to be intern !
- Can be asked for a team of RPE



Tasks

- Cf. BSS

- Currently (Belgium) = health physicist

- + Transport ? : to be defined clearly !

- + Validation of RPO

- + Can also achieve RPO's tasks



Responsibility

- Gives advice / assistance to the institution
- Responsibility stays by the exploitant



Entry requirements

- Master in exact or applied sciences or equivalent diploma (Scientific Council or FANC validation)



Basic education in RP

- Theoretic + practical exercises : 12 ECTS
- + practical experience on the field

CI I (NPP ...) : 3 years (6 m RPE tasks),

CI IIA (Cyclotron, ...) : 2 years (6 m RPE tasks),

CI II (Univ., Research center, Ind.) : 1 year (3 m RPE tasks),

CI III (Radiology ...) : 6 months (3 m RPE tasks),

Transport : 1 year (6 m RPE tasks)



Nuclear Safety and Security :

- Have to be separated from the RPE tasks
via an other recognition ?



Recognition

- Title of « Health Physicist - RPE »
- Given by FANC (Federal Authority)
- For one type of installation (ex. CI II sealed and non sealed source) and not for one specific site
- Validity : 2 years (first recognition)
5 years (following)



Continuous education

- Min 200 pts / 5 y (CI I - IIA)
- Min 100 pts / 5 y (CI II - III)

→ Cf. table

Activity	Remarque / proof	Value	Remarque
Formation	Certificate	10 pts / d	Minimum 100 pts for cl I and IIA Minimum 75 pts for other classes
Formation with exam	Certificate with test result	15 pts / d	
Conference	Certificate of attendance	5 pts / d	
Oral presentation at a conference ...	Conference program	10 pts	-
Poster presentation at a conference ...	Conference program	5 pts	-
Publication in a journal (with jury)	Paper	10 pts	-
Publication in a journal	Paper	5 pts	-
Teaching task (university, college ...)	Course program	2 pts / h	Maximum 20 pts
Active member in an (inter)nationale commission	List of participants	10 pts / commission	-



RPO



Status

- Operator nominate one (or more) RPO
- RPO work in the establishment
 - ➔ know the installation !
- Knowledge and has the technical competence
- Depend on the safety dep. for RPO tasks



Tasks

- Cf. BSS
- BUT :
 - (1) give advice : should be limited !
 - (2) establish work program = work procedures
 - (3) teaching of people (not only via RPO).



Responsibility

- As all other workers



Entry requirements

- Bachelor or equivalent diploma



Basic education in RP

- Theoretic and practical exercises :

50 h (CI I and II), 8 h (CI III)

+ practical experience on the field

Defined and 'supervised' by the RPE

20 h (CI I and II)

8 h (CI III).



Recognition

- Official designation by the exploitant (contract ...)
- After advice of RPE
- Validity : 5 years



Continuous education

- Min 20 h / 5 y

Min 1 d of external activities (course, conf. ...)



Thank you for attention

Thanks to all members of WG !!!

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