ENETRAP-II



Development and application of a mechanism for the evaluation of training providers

I.H. van Elsäcker-Degenaar, F.S. Draaisma, M. Sutmuller, P.G.R. Ruiter, J. Stewart, P. Livolsi, E. Fantuzzi, S. Möbius, P.P. de Regge, J.P. Vaz, M. Ceclan

Boundary conditions

Only evaluation: no good or bad providers

Descriptors of covered learning outcomes

- Description

- Not time consuming 2.
- Self-assessment instead of obligated 3. external auditing

Description	
Fulfilled	yes
Not fulfilled	no

An excerpt from the filled list of 16 quality criteria

Tra	ining provider \rightarrow	A	B	C	D	ENETRAP-II
7.	Teachers and practical tutors have demonstrable competences with regard to the topic of their lessons.	no	no	yes	yes	yes
9.	Each event is subject of a written evaluation by the participants. Items for evaluations are organisation, teachers, content, materials and facilities.	no	yes	yes	yes	yes

11. Complaint procedures are present.	no	yes	yes	no	yes
12. There is a participant registration associated with a document control system (list of participants, score lists, archive of distributed diplomas and certificates).	no	yes	yes	yes	yes

The developed mechanism can be used to evaluate providers with a standard on different quality criteria.





ENETRAP-II



Development and application of a mechanism for training material

I.H. van Elsäcker-Degenaar, F.S. Draaisma, M. Sutmuller, P.G.R. Ruiter, J. Stewart, P. Livolsi, E. Fantuzzi, S. Möbius, P.P. de Regge, J.P. Vaz, M. Ceclan

Boundary conditions

- . Learning outcomes:
 - Knowledge based

Descriptors of covered learning outcomes

Covered

- Skill based
- Competence based
- 2. Independent of number of pages

Not covered	0
Global, qualitative	1
Important subjects covered, quantitative	2
Detailed, quantitative	3

A comparison of learning outcomes with a standard (ERPTS)

W: material for an RW courseO: material for an RPO courseE: material for an RPE course

Training material \rightarrow	A	B	C	D	E	F	G	н	1	J	K	L	ERPTS
Composition of matter				3	3	0	1	2	1	1	3	2	2
Proton-Neutron ratio, ionisation, excitation	0	2	2	3	3	0	0	2	1	1	3	2	3

Alpha decay	0	2	2	3	3	0	1	3	1	2	3	2	3
Indication of the level of material bij the provider*	W	0	E	E	E	W	W	E	W	0	E	W	E

The developed mechanism can be used to compare material with a standard on different knowlegde based learning outcomes. The learning outcomes have to be as detailed as possible to make the description easier.







Training and Education in radiation protection at the Nuclear Research and consultancy Group (NRG), Petten, The Netherlands

Target group

- Nuclear industry (e.g. NRG, Covidien)
- NORM industry (e.g. Taqa, Wintershall)

Acknowledged courses for RW, RPO and RPE

• Courses for RW to handle a few sources

- Fire departments for awareness
- Hospitals (MPE, RPO and other workers)
- X-ray machines (medical doctors and dentists)
- Courses for RW and RPO to handle up to 10 sources
- Courses for RPO and RPE to handle more than 10 sources
- Courses for Medical doctors to use radiation

Other courses for RW, RPO and RPE

- Basic information course for starting RW
- Refresher courses for RW in NORM industry (every two year)
- Refresher courses for RW about measurement of radiation and contamination
- Refresher courses for RPO and RPE in different subjects
 - General knowledge
 - About organisational, procedural and administrative aspects
 - About handling incident, accidents and disasters
 - About NORM handling and legislation
 - Radiation protection using neutrons



Other courses

- Theoretical course about nuclear technology in different levels
 - Management level
 - Worker level (operator)

Contact

I.H. van Elsäcker-Degenaar P.G.R. Ruiter H.A. Buurveld Tel.: 0031 (0)224 - 56 42 34 E-mail: opleidingen@nrg.eu

