RADIATION PROTECTION EDUCATION AND TRAINING IN CROATIA – CURRENT SITUATION AND NEEDS

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Current situation in E&T
in RP in Croatia

Radiation protection officers (RPO) and radiation workers

e- learning organized by the regulatory body (conflict of interest) Disadvantages: interactions with the train

No interactions with the trainer, no graded approach within the same practice, no RPE involved in the process, to many nice to know instead need to know facts...

Radiation protection professionals (radiation protection experts RPE and other RP

professionals)

Only a presumption for formal E&T is set in regulations, no curriculum or list of competences yet

RP professionals get education mainly trough PhD courses in medical physics, on the job training, available courses organized by the IAEA, CONCERT project partners, professional associations, etc.

Radiation protection in Croatia

Technical support organisations (TSO)

3 in Croatia

Employ RP
professionals and
RPEs (physicists,
chemists,
biotechnologists,
engineers...

Accredited in compliance with ISO/IEC 17025 for Hp(10), Hp(0,07), H*(10) and H*(10) rate, HR gamma spectrometry, alpha and beta measurements

Tasks:

QC of ionising radiation sources, personal and environmental dosimetry, measurements and assessment in radioecology

RPEs 11 recognised RPEs now

provide radiation protection advices

Recognition of RPEs in Croatia

The scheme
established in
Ordinance on
radiation protection
experts, OG 36/118

Competences and appropriate evidence not defined neither in quantitative or qualitative sense

Incompetent assessors

RPE fields of application in Croatia:

- Personal dosimetry external exposure
- Personal dosimetry internal exposure
- Use of generators in medicine, dentistry and veterinary
- Use of radioactive sources in medicine and veterinary
- Use of radioactive sources and generators in industry and science
- Environmental radioactivity
- Radioactive waste management
- NORM industry management

NEEDS

RP professionals and RPEs

Establish:

- RP education infrastructure
- RP education based on ENETRAP
 III recommendations for specific
 RP field
- practical training and retraining
- detailed criteria for RPE
 recognition & retention of RPE
 status (credit points)
- a list of competent assessors

RPOs

Establish:

- RPO competence criteria
- education to understand regulatory requirements for a specific practice
- on-site practice-specific training given by a competent trainer
- assessment of a RPO competence not only via a written exam

Radiation workers

Establish:

- modular approach to education –
 on line phase (literature and
 presentations) + on site phase
 practice-specific with a competent
 trainer
- graded approach in E&T and within the practice
- regular review of the E&T materials, use of the best practices