European Reference Training Scheme for Radiation Protection Experts

Common Basis @

1. Basics 35h
- Radioactivity - Interactions - Quantities and Units - Basic biology & Bio. Effects - Physical principles of detection - Applications of Ionis. Radiation (overview)

2. Foundation 50h
- RP and External Dosi. - Prot. against external - Prot. against internal - Dose monitoring - Regulatory Framework - Natural sources - Public / Environmental - Ethical considerations

3. Occupational 30h

4. NPP Research 30h
- Reactor types - Fusion - Fuel Cycle - Dose Monitoring - Regulatory control - Safety Culture - Accidental situations - Criticality

5. Waste, Dec. 30h
- Waste Management - Decommissioning - Ventilation and filtration - Transport

6. Non nuclear 30h
- Irradiators / generators - Accelerators / Gauges - Industrial Radiography - Unsealed sources - Accidental situations

7. Medical 30h
- Equipment - Occupational Radiation Protection - ALARA - Decommissioning - Waste Management principles

8. NORM 30h
- NORM activities - Dose of workers - Dose of population - Protective measures - corrective actions

ALARA
- Additional module could be organized with European ALARA Network - EAN

Dosimetry
- Additional module could be organized with European Radiation Dosimetry Group - EURADOS

Add-on modules

Additional Module
- Accidental situations - RP simulation codes and tools - Emergency Response - Communication - Train the trainers... or during refresher courses

Optional modules

Additional Module could be organized with European ALARA Network - EURADOS

Additional Module could be organized with European Radiation Dosimetry Group - EURADOS

OJT

@ b-learning possibility

http://enetrap3.sckcen.be