



# Implementation of Quality Assurance in Education and Training in Radiation Protection

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# History legislation

- ▶ 1963: Nuclear Act in place
- ▶ 1970: Nuclear Act implemented
- ▶ 1972: Advice of the Health Council of the Netherlands
  - ▶ 5 Levels of Expertise
- ▶ 1973: Implementation by Training Providers
- ▶ 1984: Requirements (K) for Education and Training
- ▶ 1987: Recognition of Training Providers
- ▶ 2002: Possibility of Recognition of QE by Authorities in legislation
- ▶ 2018: Recognition of RPE by Authorities implemented



# History Quality Assurance -1

- ▶ Before 2008: State Commissioner reviews exams
- ▶ Up to 2018: State Commissioner chairs Exam Committee RPE
  - ▶ No review of RPO Education
- ▶ 2011 – 2014: Discussion about Recognition of Providers / Courses / Training
- ▶ 2015: Research by NRG
  - ▶ QA for whom
  - ▶ Goal of QA
  - ▶ Stakeholders
- ▶ 2018: New legislation
  - ▶ Implementation 2013/59/Euratom





# Changes in legislation 2018

2018 QA in Legislation about

- RPE** Registration of RPE (two levels)  
Learning Outcomes based on KSC
- RPO** Learning Outcomes based on KSC  
Supervision is added in Training  
Medical, Dentistry, Veterinary  
Nuclear industry, Accelerators, NDT  
NORM, Open Radioactive Sources (dispersible)  
Measurement and Control
- Providers** RP training Providers recognised by the Competent Authority



# History Quality Assurance - 2

- ▶ 2010: College of Training Providers decides on Quality Criteria
  - ▶ In Legislation (2015)
- ▶ 2014 – 2015: NRG Study towards Content-related Review of Quality Criteria
  - ▶ Review through Self-Assessment
  - ▶ Peer Review / Commercial Review
  - ▶ Request NVS to organize the review
- ▶ 2015 – 2019: Dutch IRPA association (NVS) establishes ad hoc committee
- ▶ 2019: Dutch IRPA association (NVS) decides to establish a Foundation
  - ▶ (Reimbursed) Volunteers



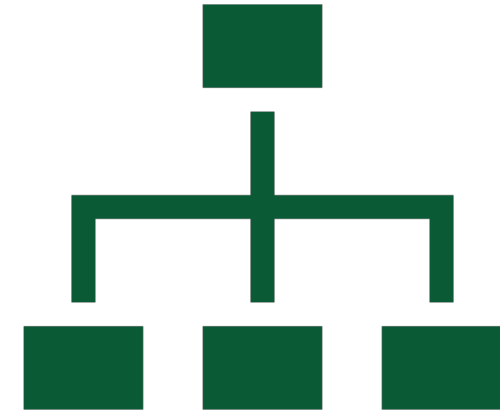
# Foundation to Review Quality of Education and Training in RP

- ▶ Establishment of the Foundation 2020
- ▶ Competent Authority financially supports Implementation QA
- ▶ Review process
  - ▶ Ad hoc Committee prepares Review of Quality Process
    - ▶ Web-based System Self-Assessment
    - ▶ Procedures
  - ▶ Recruitment Volunteers
  - ▶ Pilot



# Organisation of Foundation

- ▶ Supervisory Board with Representatives of:
  - ▶ Dutch IRPA association (NVS)
  - ▶ Competent Authority
- ▶ Board Directors
  - ▶ Director
  - ▶ Secretary
  - ▶ Treasurer
- ▶ Preparation Committee Quality Supervision KOS Foundation (discontinued)
- ▶ List of Volunteers
- ▶ Committee for Review



# Preparation - Starting Principles

- ▶ Content-driven Review
- ▶ No Inspection
- ▶ Mutual Confidence
- ▶ Efficient Input of Limited Time at Reasonable Costs
- ▶ Independent Foundation / Committee
- ▶ Transparent and Uniform Review
- ▶ Participation is Voluntary (Reviewer and Provider)
  - ▶ Advantages Training Provider to Participate





# Preparation - Process of Review

- ▶ Self assessment by Training Provider
  - ▶ Training provider
  - ▶ Each RP Education / Training offered
- ▶ Review of Self Assessment by Commission for Review
  - ▶ 2 or 3 Members
  - ▶ Review PDCA cycle
  - ▶ Review Learning Outcomes content-related
  - ▶ Prepare for Site-Visit
- ▶ Site-Visit



# Process of Review(2)

- ▶ Concept report
  - ▶ Majors / Minors / Suggestions
  - ▶ Fact checking by Training Provider
- ▶ Action Plan to solve Majors and Minors (Provider)
- ▶ Definitive version Review Report submitted to Training Provider
  - ▶ Included: Acceptance of solving Majors / Minors
- ▶ Training Provider hands over the Report to the Competent Authority during the Recognition Process



# Time Management

- ▶ Corona
- ▶ Development of Web-based System
  - ▶ Changes
  - ▶ Iteration Process
- ▶ Digital Signature



# Take-home message

- ▶ Different steps in Quality Assurance in Training (Providers)
- ▶ Foundation
- ▶ Review process
  - ▶ Self-Assessment
  - ▶ Site Visit
  - ▶ Report
  - ▶ Action Plan



**THE**

**TAKE-HOME MESSAGE**



# Questions later

