

R. P. in Industrial Radiography, Swiss Regulations

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Legal Requirements

Swiss Legislation on Radiological Protection

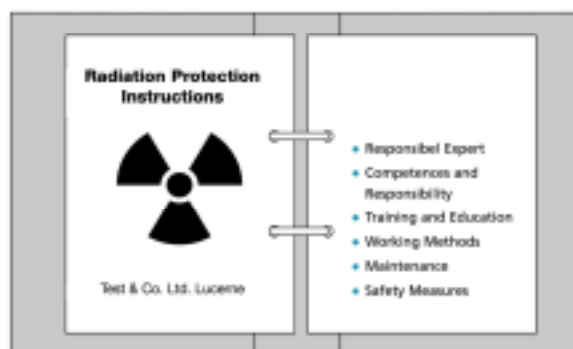
- Radiation protection act (1991)
- Radiological protection ordinance (1994)
- Technical ordinances

Federal Office of Public Health

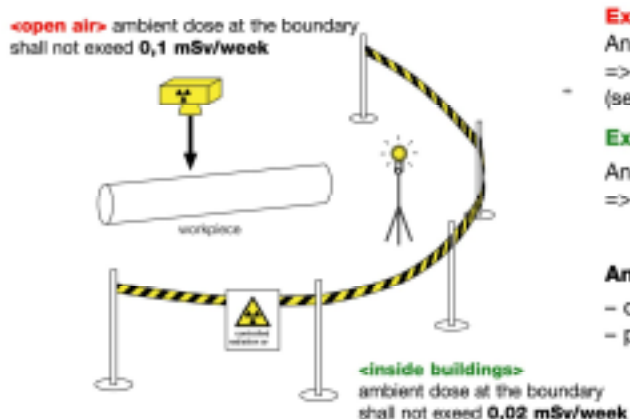
- Licensing authority

Suva, Swiss National Accident Insurance Fund

- Regulatory agency for occupational health and safety



Dose Limits at the Boundary of Controlled Areas (NDT)



Example <open air>

Anticipated radiation time 2 hours/week
 \Rightarrow allowed dose rate at boundary = 0,05 mSv/h
 (see attached calculating disk)

Example <inside buildings>

Anticipated radiation time 2 hours/week
 \Rightarrow allowed dose rate at boundary = 0,01 mSv/h

Annual Dose Limits:

- occupationally exposed persons = 20 mSv/a
- persons not occupationally exposed = 1 mSv/a

On Site Industrial Radiography in Switzerland at a glance

Current Situation

- 13 NDT-providers exclusively performing on site industrial radiography (mobile use); total staff 70 professionals

Reasons for Achieved Dose Reduction

- training
- regular maintenance of equipment
- consultation and controlling (auditing)

Co-operation in Radiation Protection

- direct personal contacts
- effective project planning
- collaboration with the Swiss Society of Non Destructive Testing: development of checklists and information sheets

Average Individual Dose in mSv, NDT Staff

