



# The role of Education & Training in developing a regulatory infrastructure in RP in Suriname

Hielke Freerk Boersma Groningen Academy for Radiation Protection Dutch Society for RP (NVS)

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> Co-author: Whitney Coulor (chair NVS-chapter RP in Suriname & Caribbean area)





## Republic of Suriname



Key numbers: Area 165.000 km² Pop. 600.000





# A short history - 2019

- > NVS mission 2019
  - Recommendations concerning regulatory infrastructure & competence building in RP in Suriname
  - Inventory of applications of ionising radiation in Suriname
    - no nuclear, no nuclear medicine & research labs













# A short history - 2020

- NVS Chapter 'Radiation Protection in Suriname & the Caribbean area'
  (NVS-SC) established November 2020
  - Focus on
    - providing information on RP
    - competence building
  - Current membership ~ 30 members, primarily from
    - medical field (incl dentistry)
    - labor inspectorate



# A short history – 2021 & 2022

- > E&T Activities
- > November 2022 Symposium in Paramaribo
- Discussions on system of E&T in RP for Suriname with
  - members NVS-SC
  - professional organizations (dentistry, radiology, etc)
  - regulators & inspectorate
- > Recommendations to Surinamese government
  - presented August 2022 to Minister of Labor





# Recommendations - summary

- > Simple formal system of E&T for RPOs:
  - RPO for all X-ray equipment (incl. medical & dental equipment)
  - RPO for sealed sources
- > Guidelines for training of RWs
  - Basic RP courses for X-ray equipment & sealed sources
- > No formal RPE courses (annual requirement ~ 5)



#### Recommendations - RPO

- > Target group:
  - persons supervising safe operation of low / medium risk applications
  - persons performing inspections / regulators
- > Ancillary target group:
  - persons working under supervision with higher risk applications
- > Nominal duration: ~ 4 days, including practicals & exam
- > Learning outcomes: roughly corresponding to Dutch BSS learning outcomes for RPOs



#### Recommendations - RWs

- > Target group:
  - persons working under supervision with low / medium risk applications
- Ancillary target group:
  - persons with a general interest in radiation protection
- > Nominal duration: ~ 1 day, optional self test
- Learning outcome: be able to safely operate non-intrinsically safe applications
  - list of topics

# Recommendations – CPD & recognition of foreign certificates

- > Refreshers every three years (duration for RPOs ~ 1 day)
- Recognize RPOs from NL or EU member states provided
  - adequate knowledge of Dutch or other common used language
  - adequate knowledge of Surinamese regulation
- For high risk applications: require adequate level of RP comparable to RPE, obtained in NL or other EU Member State



# Recommendations – Status Report

- > May 2023: presentation for Surinamese Government council meeting
  - focus on scope of RP in Suriname call for action
    - outdated legislation/ membership IAEA
    - role of different stakeholders
    - need for capacity building
    - achievements of the NVS-chapter sofar
- > Well received
  - president Santokhi asks to add plan to raise awareness amongst the public



#### **E&T Activities of NVS-SC**

- > Don't wait until 'anything is arranged' (bottom-up approach)
- > Online....thanks to pandemic...
- > in cooperation with Groningen Academy for RP
- > Basic RP courses for dentist assistants (2021)
- Combined basic RP course for X-ray applications & sealed sources
  (2022)



### E&T Activities of NVS-SC

Course	Date	Participants	Passed test
Basic RP for Dentist assistants	5 March 2021	30	n.a.
Basic RP for X- ray applications	26 March & 9 April 2022	72	66
Basic RP for sealed radioactive sources	31 March & 9 April 2022	39	36



#### **Outlook & Conclusion**

- > RPO courses to be organized in 2024/2025?
  - hybrid courses
- > Focus on essential aspects (or: recommend graded approach)
  - Raising awareness
  - Provide basic instruction & information
  - → NORM not yet addressed



# Thank you!

