

# IAEA Work on Radon and RAP

Olga German, PhD  
Radiation Protection Unit  
IAEA

# Generic processes in IAEA



Safety standards and supporting guidelines



Other publications (safety reports, TECDOCs)



Technical meetings and expert groups



Promotion of safety standards through Technical Cooperation projects



Webinars and self-education material

# IAEA role in radiation safety



Scientific reports on effects of radiation



Recommendations for protection



IAEA establishes or adopts safety standards for the protection of health and to minimize the danger to life and property.

# Safety Standards & supporting guidelines



## IAEA Safety Standards

for protecting people and the environment

### Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards

Jointly sponsored by  
EC, FAO, IAEA, ILO, OECD/NEA, PAHO, UNEP, WHO



General Safety Requirements Part 3

No. GSR Part 3



## IAEA Safety Standards

for protecting people and the environment

### Protection of the Public against Exposure Indoors due to Radon and Other Natural Sources of Radiation

Jointly sponsored by the IAEA, WHO



Specific Safety Guide

No. SSG-32



## IAEA Safety Standards

### PROTECTION OF WORKERS AGAINST EXPOSURE DUE TO RADON

(under development)  
SSG-XXX

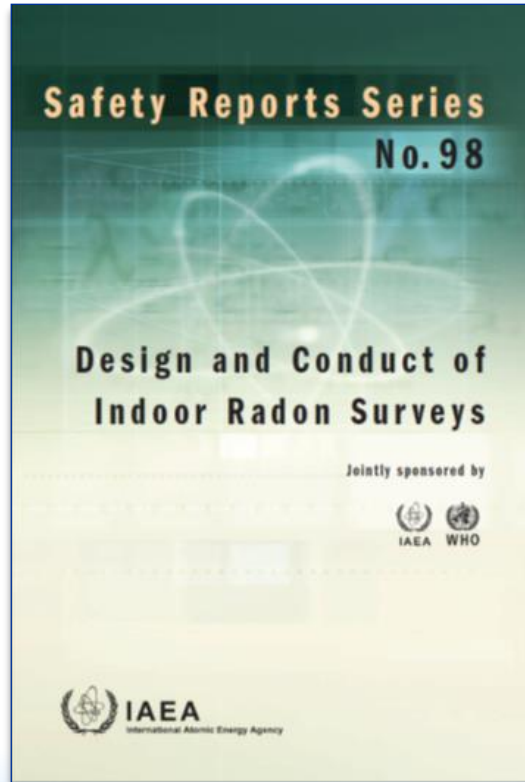
# Other publications on radon



## TECDOC

Protection against  
Radon Indoor and  
Gamma Radiation  
from Construction  
Material - methods of  
Prevention and  
Mitigation

(in publication)



## Safety Report Series XXX

Occupational  
Radiation Protection in  
the Water Supply and  
Treatment Industry

(under development)

# DS519 under development



- SSG Radiation protection of workers against exposure due to radon
- Drafting work 2020-2021 (Australia, Austria, Japan, Canada, ILO)
- Approval by Coordination Committee (internal) 18  
March 2021
- RASSC comments (deadline 31 May)
- Review by the Member States (June – September 2021)

- Technical Meeting on the Implications of the New Dose Conversion Factors for Radon 1-4 October, 2019, Vienna
- Summary available at RASSC-47 <https://www-ns.iaea.org/committees/rassc/>



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www-ns.iaea.org/committees/rassc/default.asp?fd=1947&dt=0

RASSC 40 - June 2016	Draft Report of RASSC 47 (759kb)	18/02/2020	details
RASSC 41 - November 2016	R 1.3 - Final Agenda (240kb)	22/11/2019	details
RASSC 42 - June 2017	R 1.4 - RASSC 46 - draft report (668kb)	07/11/2019 ver.2	details
RASSC 43 - November 2017	R 1.4 - RASSC 46 EPRsC 8 - report of joint session (391kb)	07/05/2020	details
RASSC 44 - June 2018	R 1.6 - Actions from RASSC 46 - H. Pappiniseri (177kb)	20/11/2019	details
RASSC 45 - November 2018	R 2.1 - DPP DS521 - E.Reber (387kb)	20/11/2019	details
RASSC 46 - June 2019	R 2.2 - DPP DS513 - P.Tarren (342kb)	20/11/2019	details
RASSC 47 - November 2019	R 3.1 - DS468 - T.Yankovich (1,471kb)	20/11/2019	details
RASSC 48	R 3.2 - DS509 - D.Sears (342kb)	20/11/2019	details
All folders 388.77mb	R 3.3 - DS516 - J.Kovny (242kb)	20/11/2019	details
Contact email: IAEA Safety Standards	R 4.1 - TM on radon dose conversion factors - briefing note (255kb)	04/11/2019	details
	R 4.1 - IACRS Radon information overview (304kb)	12/08/2020	details
	R 4.1 - ICRP-UNSCEAR Info note on Radon (170kb)	02/07/2020	details
	R 4.1 - Summary on ICRP radon dose coefficients (73kb)	07/11/2019	details
	R 4.1 - TM on Dose Conversion Factors - O.German (458kb)	21/11/2019	details
	R 5.1 - DS499 and DS500 - H.Pappiniseri (743kb)	21/11/2019	details
	R 5.2 - SR on Attributability - K.Asfaw (203kb)	20/11/2019	details
	R 6.1 - Topical Session - IAEA safety standards - O.German (1,723kb)	21/11/2019	details
	R 6.2 - Topical Session - Nordic countries - A.Almen (270kb)	22/11/2019	details
	R 6.3 - Topical Session - Justification - A.Kalaiziovski (1,104kb)	22/11/2019	details
	R 6.4 - Topical Session - Age assessment - F.Rudolf (2,445kb)	22/11/2019	details

# Technical Cooperation Projects related to Radon



## European Regional

- RER9153 (2018-2021): *Enhancing the Regional Capacity to Control Long Term Risks to the Public due to Radon in Dwellings and Workplaces*
- RER1927 (2014 – 2015) and RER1936 (2016 – 2017)

## National radon TC project:

- Albania (2020 – 2021)
- Azerbaijan (2018 – 2020)
- Bosnia-Herzegovina (2020 – 2021)
- Cameroon (2018 – 2020)
- Moldova (2018 – 2020)
- Serbia (2018 – 2020)
- South Africa (2018 – 2019 and 2020 – 2021)

## ***Planned new projects starting 2022***

- Cameroon phase 2 (2022-2023)
- Azerbaijan phase 2 (2022-2023)
- Mongolia (2022-2023)



# Regional TC projects examples of activities



- WS for decision-makers on development of regulations and implementation of national radon plans. Completed in Austria. 14-17 January 2019
- TC on Radon remediation and prevention. Completed in Sweden 13-17 May 2019
- WS to enhance the competence of national authorities in implementing radon communication strategies through practical exercise. Completed in Serbia 4-6 June 2019
- WS meeting of the STEAM project to analyse the data and use it for production of communication materials. Completed virtual. 5-17 December 2020
- WS on good laboratory practice in radon measurements, intercomparison exercises and quality assurance. Completed virtual 24 – 26 November 2020
- *WS on regulatory control of radon at workplaces (for labour safety authorities and public health authorities). Virtual. 4-6 May 2021. EVT2100443*
- *TC on radon measurements and proficiency testing. Virtual. Including exposure of detectors at BfS. 20-21 April 2021. EVT2100444*
- Expert missions to Romania, Kazakhstan, Cyprus, Bulgaria, Croatia, Moldova, Portugal

# Webinars



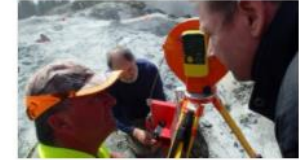
13 November 2019  
Thoron in the environment



30 October 2019  
Management of radioactivity in drinking water including radon



30 July 2019  
Protecting workers from radon – experiences from Austria



26 February 2019  
Prevention and mitigation methods related to indoor radon and natural radionuclides in building materials

# 11 webinars related to radon and thoron



12 December 2018  
Radon in groundwater



22 October 2018  
Communicating radon risk – Ireland's experience



26 September 2018  
Why do children need to learn about radon?



28 June 2018  
Development of educational resources on radon for health care providers



25 April 2018  
Radon management in buildings: applied research on building characterization and protection



5 April 2018  
Communication and advocacy through real estate

# Training material



## Radon training material

**Module 1** What is radon and its health effects

**Module 2** Requirements in the International Basic Safety Standards

**Module 3** Establishing a Radon Action Plan

**Module 4** Representative radon surveys

**Module 5** Radon measurements

**Module 6** Radon communication

All available on [IAEA.org](https://www.iaea.org)

# Thank you for attention!

Olga German  
*[o.german@iaea.org](mailto:o.german@iaea.org)*

