

EXAM REGULATIONS

V6 JUNE 2026

Exam regulations for the accredited courses in radiation protection
(accreditation: ANVS-PP-2022/0091279-48)

- Radiation protection for Medical Specialists who use X-ray devices (SMSR)
- Radiation Protection Officer – Dispersible Radioactive Materials level D (TMS-VRS D)
- Radiation Protection Officer – Measurement and Control Techniques for devices, accelerators and sealed radioactive sources (TMS-MR)

ARTICLE 1. GENERAL

1. These regulations apply to the exams of the accredited radiation protection courses ‘Radiation protection for Medical Specialists who use X-ray devices’ (Dutch: ‘Stralingsbescherming voor Medisch Specialisten die gebruik maken van Röntgenapparatuur’, unofficially abbreviated to ‘SMSR’), ‘Radiation Protection Officer – Dispersible Radioactive Materials – level D’ (Dutch: ‘Toezichthoudend Medewerker Stralingsbescherming – Verspreidbare Radioactieve Stoffen – niveau D’ or ‘TMS-VRS D’), ‘Radiation Protection Officer – Measurement and control techniques for devices, accelerators and sealed radioactive sources’ (Dutch: ‘Toezichthoudend Medewerker Stralingsbescherming – Meet- en Regeltoepassingen voor toestellen, versnellers en ingekapselde radioactieve bronnen’ or ‘TMS-MR’). The regulations have been established by the person responsible for educational programs on radiation protection, on behalf of the boards of the institutions participating in the complex license Randwyck. The courses are coordinated by the Radiation Protection Unit (Dutch: ‘Stralingsbeschermingseenheid’) Randwyck.
2. The purpose of these regulations is to establish the criteria for the practical sessions and examinations, of the courses stated in *Article 1.1*, as well as the duties, responsibilities and authorizations of the examination committee and other parties involved.

ARTICLE 2. EXAMINATION COMMITTEE

1. The examination committee has at least representatives of:
 - At least two representatives of each of the institutions listed below, that participate in the complex license Randwyck:
 - Maastricht University Medical Center + (MUMC+)
 - Maastricht University (UM)
 - Maastricht and Maastricht Proton therapy B.V.
 - The exam committee chair, who acts impartially (with regards to the represented institutions).
 - The course coordinator, who is part of the Radiation Protection Unit.
 - The person responsible for the educational programs on radiation protection Randwyck.
2. The committee elects a chair and secretary to the chair from its members.
3. Members of the examination committee have expertise in the field of radiation protection and trained at least at the training level of coordinating expert in radiation protection (Dutch: ‘coördinerend deskundige’ or CD) or equivalent to this. Members also have teaching experience. At least one member holds a University Teaching Qualification (UTQ, in Dutch ‘Basiskwalificatie Onderwijs’ or BKO). The person responsible for the educational programs also holds a University Teaching Qualification.
4. The examination committee is responsible for determining the practical courses and examinations, the assessment of the final requirements for the examinations, the scoring of the examinations, the awarding of diplomas and for anything else that these regulations further prescribe.

5. The examination committee meets at least 4 times a year. A report is made of each meeting and digitally stored at the Radiation Protection Unit.

ARTICLE 3. OFFICIAL LANGUAGE

1. The official language in the course '*Radiation protection for medical specialists who use X-ray devices (SMSR)*' is Dutch. All teaching material related to this course will be offered in Dutch. An exception will possibly occur in the form of a presentation of teachers; these may be (partially) in English when the occasion arises.
2. The official language in the course '*Radiation Protection Officer – Dispersible Radioactive Materials – level D (TMS-VRS D)*' is English. All teaching material related to this course will be offered in English.
3. The official language in the course '*Radiation Protection Officer – Measurement and control techniques for devices, accelerators and sealed radioactive sources (TMS-MR)*' is English. All teaching material related to this course will be offered in English.

ARTICLE 4. THEORETICAL EXAMINATION

1. The theoretical examination is taken individually in writing and consists of a combination of multiple-choice questions and open questions.
2. The duration of the SMSR examination is
 - Multiple choice questions: one hour at maximum
 - Open questions: 1.5 hours at maximum

The duration of the TMS-VRS D examination is

- Multiple choice questions: one hour at maximum
- Open questions: 2.5 hours at maximum

The duration of the TMS-MR examination is

- Multiple choice questions: one hour at maximum
- Open questions: 1.5 hours at maximum

3. In case candidates taking the exam have an employment disability (for instance dyslexia, dyscalculia, etc.), the examination committee may decide on adapting the conditions that apply to the exam, so that it aligns with the abilities of the candidate in question. In order to claim additional facilities, the candidate needs to provide proof of his or her disability. This proof states a diagnosis and any advice on facilities. When diagnosed with dyslexia or a different employment disability, a candidate can claim an extension of the time allowed for completing the exam, of 30 minutes at maximum of the total examination time.
4. The multiple-choice question part is taken under 'closed book' conditions, for which it is only allowed to use a calculator, blank writing paper and a pen.
5. No correction for guessing is applied to multiple-choice exams. However, a minimum score of 60 % is imposed. Therefore, the student must score at least 60 % correctly to pass this exam part. This minimum score of 60 % is also imposed on the open questions exam.
6. When taking the part of the exam that consists of open (calculation) questions, candidates may make use of the handbook or syllabus of the course, any other written course material, a calculator and writing materials. The use of digital aids, such as mobile phones, is not allowed during examinations. This

includes the use of translation apps; the course participant needs to have sufficient proficiency in the course language, as stated in article 3.

7. At least two weeks prior to the exam, the examination committee definitively establishes the exam and the corresponding scoring thereof.
8. Exams are taken under the supervision of a supervisor who has been appointed and instructed by the course organizer. If irregularities or fraud are observed during the exam, the supervisor has the authority to end the exam(s) of the fraudster(s). The supervisor will report this to the examination committee immediately, both verbally and in writing, after which the examination committee will investigate the case and has the option to declare the exam invalid.
9. The exams are drafted by or under the responsibility of the person responsible for the educational programs on radiation protection, after which they are submitted to the examination committee for assessment. During this process, exams are at least digitally protected with a password. After approval of the exam, the exams are printed, put in a closed envelope and handed over to the supervisor. This envelope is only opened during the exam, in the presence of the candidates. After the exam, the supervisor ensures that all parts of the exam are collected and returned to the aforementioned responsible person and/or the course coordinator.
10. The exams are taken under an exam number to guarantee anonymity. Candidates are assigned their exam number right before taking the exam.
11. The exam is considered passed if a 60 % score is obtained for both the multiple choice and the open questions part. Compensation between the exam parts is not possible. The part of the exam for which a score of 60 % is obtained, does not have to be taken again in case of a possible re-examination, and is valid for 3 years starting from the date of examination.
12. In case the exam or part of the exam is not successfully completed, the candidate may retake (part of) the exam in a subsequent course. For this exam, that is considered a re-examination, the conditions as stated in these exam regulations remain valid.
13. The exam is assessed by a corrector, who is appointed by the person responsible for the educational programs on radiation protection. If there is any doubt about an answer given by the candidate, a second corrector will be appointed. To ensure anonymity, the person who supervised during the exam may not correct the exams. Members of the examination committee may also act as correctors. The results are announced to the candidates within 6 weeks after the date of the exam.

ARTICLE 5. PRACTICAL ASSIGNMENTS

1. Practical assignments (if applicable to the course) need to be finished with good results. This means, that candidates partake actively in, and perform the tasks that are given during, the practical course. The instructor signs a form that acts as proof of participation, to confirm that the practical course has been finished with good results. The validity of a practical course that has been finished with good results is three years.
2. The tutorial (if applicable to the course) needs to be finished with good results. This means, that candidates partake actively in, and perform the tasks that are given during, the practical course. The instructor signs a form that acts as proof of participation, to confirm that the tutorial has been finished with good results. The validity of a tutorial that has been finished with good results is three years.
3. Incidentally, the examination committee may grant exemption from the practical assignments and/or tutorial or decide on providing an adapted, tailor-made assignment, for instance, in case of an employment disability. If the exemption causes the candidate to not have fulfilled the legal

requirements of the course, the examination committee may decide on an extra assignment to eliminate the deficit.

ARTICLE 6. CERTIFICATION AND ACCURATE REGISTRATION

1. Conditions for granting a diploma are a signed form that proves that the practical assignments and/or tutorial (see *Article 5*) have been finished with good results, as well as a sufficient score for both parts of the exam (see *Article 4.11*). When a candidate meets these conditions and those that are stated in the regulations and the enrollment conditions, a diploma with corresponding list of grades is granted. The diploma is signed by the chair of the examination committee, and the person responsible for the educational programs on radiation protection, on behalf of the institution that is certified to offer the course. The list of grades is signed by the person responsible for the educational programs on radiation protection, and only valid in combination with a signed diploma.
2. The layout of the diploma has been established by the examination committee before candidates can sign up for participation.
3. Personal data of course participants, approved score lists and issued diplomas of the courses referred to in Article 1.1 are stored in an up-to-date registration system.

ARTICLE 7. APPEAL PROCEDURE AND COMPLAINTS PROCEDURE

1. Certificates of practical courses as well as results of exams are saved by the Radiation Protection Unit as a hard copy for at least a year and after that in digital form for an additional period of five years. Course materials for theoretical sessions as well as practical assignments are kept for a period of five years as well, either as a hard copy or in digital form.
2. At their request, candidates may review their written exam within 30 days after the results have been announced. This happens under supervision of the course coordinator. All exam material stays in possession of the Radiation Protection Unit. Also, within 30 days after announcement of the result, the candidate can lodge an appeal with the examination committee against exam-results. After expiration of this period of appeal, the written exams are stored for a year and destroyed afterwards. The exam results of individual candidates will be stored digitally, for as long as technically possible.
3. Complaint procedure: in case of complaints with regards to the contents or scoring of the exam, as well as complaints regarding the course of events during the examination or any other part of the course, the candidate must file a reasoned complaint with the examination committee within a period of 30 days after announcement of the results. The examination committee will respond to this complaint in writing, within 60 days. If the candidate cannot agree with the outcome of the complaints procedure, a reasoned complaint must be filed to start an appeal procedure. This must be done within 30 days after the ruling of the examination committee, in accordance with *Article 7.4*.
4. Appeal procedure: in case a candidate does not agree with the ruling of the examination committee after filing a complaint, he may submit a reasoned appeal, exclusively in writing, to the person responsible for the educational programs on radiation protection of the appeals commission of the National Centre for Radiation Protection Courses ('Nationaal Centrum voor StralingsVeiligheid' or NCSV, part of Delft University of Technology) in Utrecht within 30 days after the ruling of the examinations committee. The appeal must be addressed to the person responsible for the educational programs on radiation protection of the Radiation Protection Unit. The officer requests advice from the appeals committee, which will rule within 60 days after submission of the appeal. The ruling is binding for both parties: the candidate and the examination committee.

ARTICLE 8. FINAL CLAUSE AND DATA PROTECTION

1. These regulations are provided to each course participant as a part of the course material.
2. In accordance with the 'General Data Protection Regulation' (GDPR; Dutch: 'Algemene Verordening Gegevensbescherming' or AVG), each candidate must be asked to give written consent for the storage of relevant data (personal data, dose levels, results, score lists and diplomas).
3. These regulations shall enter into force on July 1, 2026 and are valid as long as no alterations take place.

I. Pooters,

Responsible for the educational programs on radiation protection

LIST OF ABBREVIATIONS

Dutch		English	
AVG	Algemene Verordening Gegevensbescherming	GDPR	General Data Protection Regulation
BKO	Basiskwalificatie Onderwijs	UTQ	University Teaching Qualification
CD	Coördinerend deskundige (opleidingsniveau)	-	Coordinating expert (educational level)
MUMC+	Maastricht Universitair Medisch Centrum +	MUMC+	Maastricht University Medical Center +
NCSV	Nationaal Centrum voor StralingsVeiligheid	-	National Centre for Radiation Protection
SMSR	Stralingshygiëne voor Medisch Specialisten die gebruik maken van Röntgentoestellen	-	Radiation Protection for Medical Specialists who use X-ray devices
TMS-MR	Toezichthoudend medewerker stralingsbescherming – Meet-en Regeltoepassingen voor toestellen, versnellers en ingekapselde radioactieve bronnen	-	Radiation Protection Officer – Measurement and control techniques for devices, accelerators and sealed radioactive sources
TMS-VRS D	Toezichthoudend medewerker stralingsbescherming – verspreidbare radioactieve stoffen niveau D	-	Radiation protection officer – dispersible radioactive materials level D
TU Delft	Technische Universiteit Delft	-	Delft University of Technology
UM	Universiteit Maastricht	UM	Maastricht University

REFERENCES

- Algemene Verordening Gegevensbescherming (General Data Protection Regulation)
- Regeling basisveiligheidsnormen stralingsbescherming (legal basis)

Revision table	
Version 1 – June 2017	Initial version
Version 2 – September 2018	Course TMS-VRS D name change; 1.1 responsible education officer added; 2.5 added; art. 3 added; 8.2 added.
Version 3 – July 2021	New layout. 4.2 changed.
Version 4 – January 2023	Correction of the institute names; Changed e-mail address; Addition of accreditation number; 7.4 general coordinating expert changed to supervising officer
Version 5 – November 2025	Article 4.3: Participants with a work disability other than dyslexia are also eligible to an extension of the examination time with 30 minutes at maximum. Article 4.5: Added. Article 4.6: Hand-outs and practice exams are also allowed. Digital aids are not allowed. Article 4.11: No compensation possible between exam parts. Article 5.2: Added
Version 6 – June 2026	Course TMS-MR added (introduction, articles 1.1, 3.3 and 4.2). Article 2.1 expanded and adapted. Textual corrections on articles 2.3, 4.3, 4.5, 4.7, 4.8, 4.9, 6.1.