Standards for Radiation Protection Professionals

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RADIATION PROTECTION COUNCIL

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RECORD OF CHANGES

Change Nº	**Details of Changes**	Date of Insertion
V 1.0	Original document	Oct 2018
V 1.1	To append Standards table to this document.	Oct 2021
V 1.2	Replace 'demonstrated' with 'achieved' Amend Page 5 Replace The ~~Radiation Protection Council~~ licensee *The Licensee* also looks at the commitment that the individual has shown to the radiation profession and how they have demonstrated this in their application~~.~~	April 2025

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1. Introduction

Professional registration with the Radiation Protection Council (RPC) is based on demonstration of the application of radiation protection knowledge and experience at the appropriate level together with commensurate professional responsibility and adherence to a professional code of conduct and continuous professional development.

The award of one of the three available levels of registration (CRadP, IRadP, TechRadP) can therefore be accepted by employers and the wider community as demonstrating a continuing high and recognised level of professional attainment.

Registered Radiation Protection Professionals agree to be bound by their Licensee's Code of Conduct, which should reflect best practice and require that its Registrants show a high level of integrity and professionalism, but also to take the necessary steps to maintain and enhance their competence through Continuing Professional Development.

Registration with the RPC covers the many disciplines of radiation protection and varying levels of qualifications and experience.

Following initial registration, inclusion on the list is maintained by recording and reporting continuing professional development to the licensee on an annual basis.

This document outlines the standard level for each registration granted by the Radiation Protection Council.

2. Registration

The Radiation Protection Council grants a registration licence to the relevant professional institution and applications should be made adhering to the relevant licence holder process.

Registration is open to all professionals working in the radiation protection field who can demonstrate the attainment of competence to the necessary standard to the chosen licence holder.

The licence holder shall review the application and decide whether it has demonstrated that the individual successfully maintains a working level that meets the required standard and registration can be granted. The licensee shall then notify the Radiation Protection Council and the individual will be registered under the relevant registration level.

Each application shall be reviewed against the demonstrable competence and commitment criteria.

Competence is deemed to be met if the individual can demonstrate the correct level of knowledge, understanding, skill and professional attitude that is generally achieved by a combination of formal and informal learning, training and experience.

The identified areas that will provide demonstration of competence have been split into five generic areas for all registrants, these are:

- Application of general and specialist knowledge
- Analysis and solution of radiation protection challenges
- Personal Responsibility
- Interpersonal Skills
- Professional Practice

The Licensee also looks at the commitment that the individual has shown to the radiation profession and how they have demonstrated this in their application.

Examples of commitment may include:

- Reporting to the licensee their CPD attainment.
- Actively participating in the radiation protection profession
- Complying with the professional code of conduct for the institution of registration

3. The TechRadP Standard

The TechRadP registration is for those individuals who implement radiation protection measures and work in practical roles within the radiation protection industry and it carries the TechRadP post nominal. Technical Radiation Protection Professionals routinely apply established techniques and procedures to the solution of practical problems in radiation protection and its allied fields.

TechRadP registrants will be able to demonstrate:

- Application of RP knowledge and understanding to deliver specific services and/or address well defined problems
- Responsibility for technical tasks or supervision of others
- Effective communication and interpersonal skills
- Commitment to professional values and continuous professional development

TechRadP Criteria

A. Application of general and specialist knowledge	
A1	Understand and apply appropriate radiation protection, scientific, and technical principles and to meet local arrangements
A2	Review and select appropriate equipment, techniques & procedures for tasks
B. Analysis and solution of radiation protection challenges	
B1	Use knowledge to address well defined radiation protection problems
B2	Identify and report practical issues
B3	Interpret and evaluate radiation protection data
C. Personal Responsibility	

C1	Work effectively with minimal supervision whilst recognising your own limits
C2	Take responsibility for quality of own work and contribute to service improvement
C3	Adhere/work to safe working practices
C4	Observe and promote organisational safety culture
D. Interpersonal Skills	
D1	Communicate effectively with colleagues and where appropriate, service users
D2	Employ a range of communication skills (written/verbal)
D3	Effectively coach individuals on radiological protection standards
E. Professional Practice	
E1	Comply with all relevant Codes of Conduct
E2	Participate in an appropriate scheme for continuous professional development

4. The IRadP Standard

The IRadP registration is for those individuals who provide guidance on radiation protection measures and it carries the IRadP post nominal. Incorporated Radiation Protection Professionals manage or advise on applications of current or developing technology in the field of Radiation Protection and its allied fields. They may work in a range of diverse radiation protection fields.

IRadP registrants will be able to demonstrate:

- Application of specialist RP knowledge and understanding to deliver projects or services with analysis and solution of radiation protection challenges
- Responsibility for technical tasks or supervision of others
- Effective communication and interpersonal skills
- Commitment to professional values and continuous professional development

IRadP Criteria

A. Application of Radiation Protection Knowledge and Understanding	
A1	Use radiation protection, scientific, and technical principles to exploit and/or develop technologies to enhance or improve current practices and to meet legal compliance
A2	Contribute to the radiation protection training and education of others, be it public or professional
A3	Generation of radiation protection guidance, work permits or work instructions
B. Analysis and solution of radiation protection challenges	
B1	Apply a logical and/or a creative approach to problem solving
B2	Identify practical or managerial issues requiring solution, plan and then implement solution(s)

B3	Evaluate solutions and advise on improvements
C. Personal Responsibility	
C1	Work autonomously whilst recognising your own limits
C2	Make effective use of all resources available (such as people, time, finance, radiation protection knowledge and experience)
C3	Advising on safe working practices
C4	Observe and promote organisational safety culture
D. Interpersonal Skills	
D1	Communicate clearly and effectively, both orally and by written word, with others at all levels
D2	Act independently or participate effectively within a team when carrying out tasks
D3	Bring about continuous improvement through quality management
D4	Exert appropriate influence to ensure appropriate radiological protection
E. Professional Practice	
E1	Comply with all relevant Codes of Conduct
E2	Undertake a self-motivated programme of continuous professional development
E3	Demonstrate technical and managerial integrity in all professional matters

5. The CRadP Standard

The CRadP registration is for those individuals who provide guidance and/or generate radiation protection standards and it carries the CRadP post nominal. Chartered Radiation Protection Professionals have extensive knowledge and responsible professional experience in the field of Radiation Protection and its allied fields. They may work in a range of diverse radiation protection fields

CRadP registrants will be able to demonstrate:

- Application of extensive knowledge across a range of radiation protection areas, with background knowledge in related areas.
- Evidence of developing solutions to radiation protection challenges using new or existing technology or systems.
- Responsible experience as a leader/director of radiation protection services or operations
- Highly effective communication and interpersonal skills
- Commitment to professional values and continuous professional development in self and others

CRadP Criteria

A.	**Application of Radiation Protection Knowledge and Understanding**
A1	Use radiation protection, scientific, and technical principles to exploit and/or develop technologies to enhance or improve current practices and to meet legal compliance
A2	Enhance the radiation protection knowledge of others, (e.g. co-workers, members of the public, in education) through the design or delivery of radiation protection training and education programmes, or the publication of scientific papers or guidance documents

B. Analysis and solution of radiation protection challenges	
B1	Apply an innovative approach to problem solving, exercising judgement in the absence of complete information
B2	Identify potential projects, problems and opportunities requiring solution
B3	Monitor implementation of radiation protection solutions and evaluate effectiveness
C. Personal Responsibility	
C1	Exercise responsibility for self and/or others whilst recognising your own limits
C2	Lead teams or projects and make effective use of all resources available (such as people, time, finance, radiation protection knowledge and experience)
C3	Leading or developing safe working practices
C4	Observe and promote organisational safety culture
D. Interpersonal Skills	
D1	Communicate effectively, both orally and by written word, with specialist and non-specialist audiences;
D2	Develop the capabilities of others to meet the demands of changing technical and managerial requirements;
D3	Take responsibility for continuous improvement through quality management
D4	Demonstrate effective leadership or technical expertise

E. Professional Practice	
E1	Comply with all relevant Codes of Conduct
E2	Undertake a self-motivated programme of continuous professional development;
E3	Demonstrate technical and managerial integrity in all professional matters.

Appendix 1 – Standards Table

6.		TechRadP	IRadP	CRadP
A	**Application of general and specialist knowledge**	**A1** Understand and apply appropriate radiation protection, scientific, and technical principles and to meet local arrangements **A2** Review and select appropriate equipment, techniques and procedures for tasks	**A1** Use radiation protection, scientific, and technical principles to exploit and / or develop technologies to enhance or improve current practice and to meet legal compliance **A2** Contribute to the radiation protection training and education of others, be it public or professional **A3** Generation of radiation protection guidance, work permits or work instructions	**A1** Use radiation protection, scientific, and technical principles to exploit and / or develop technologies to enhance or improve current practice and to meet legal compliance **A2** Enhance the radiation protection knowledge of others (e.g. co-workers, members of the public, in education) through the design and delivery of radiation protection training and education programmes, or the publication of scientific papers or guidance documents
B	**Analysis and solution of radiation protection challenges**	**B1** Use knowledge to address well defined radiation protection problems **B2** Identify and report practical issues **B3** Interpret and evaluate radiation protection data	**B1** Apply a logical and / or a creative approach to problem solving **B2** Identify practical or managerial issues requiring solution, plan and then implement solutions **B3** Evaluate solutions and advise on improvements	**B1** Apply an innovative approach to problem solving, exercising judgement in the absence of complete information **B2** Identify potential projects, problems and opportunities requiring solution **B3** Monitor implementation of radiation protection solutions and evaluate effectiveness
C	**Personal responsibility**	**C1** Work effectively with minimal supervision whilst recognising your own limits **C2** Take responsibility for quality of own work and contribute to service improvement	**C1** Work autonomously whilst recognising your own limits **C2** Make effective use of all resources available (such as people, time, finance, radiation protection knowledge	**C1** Exercise responsibility for self and/or others whilst recognising your own limits **C2** Lead teams or projects and make effective use of all resources available (such as people, time,

		C3 Adhere/work to safe working practices **C4** Observe and promote organisational safety culture	and experience) **C3** Advising on safe working practices **C4** Observe and promote organisational safety culture	finance, radiation protection knowledge and experience) **C3** Leading or developing safe working practices **C4** Observe and promote organisational safety culture
D	**Interpersonal skills**	**D1** Communicate effectively with colleagues and where appropriate, service users **D1** Employ a range of communication skills (written/verbal) **D2** Effectively coach individuals on radiological protection standards	**D1** Communicate clearly and effectively, both orally and by written word, with others at all levels **D2** Act independently or participate effectively within a team when carrying out tasks **D3** Bring about continuous improvement through quality management **D4** Exert appropriate influence to ensure appropriate radiological protection	**D1** Communicate effectively, both orally and by written word, with specialist and non-specialist audiences **D2** Develop the capabilities of others to meet the demands of changing technical and managerial requirements **D3** Take responsibility for continuous improvement through quality management **D4** Demonstrate effective leadership or technical expertise
E	**Professional practice**	**E1** Comply with all relevant Codes of Conduct **E2** Participate in an appropriate scheme for continuous professional development	**E1** Comply with all relevant Codes of Conduct **E2** Undertake a self-motivated programme of continuous professional development **E3** Demonstrate technical and managerial integrity in all professional matters	**E1** Comply with all relevant Codes of Conduct **E2** Undertake a self-motivated programme of continuous professional development **E3** Demonstrate technical and managerial integrity in all professional matters

Appendix 2 – Standards Grid