

# COGSC14

## Develop safety claims for use in nuclear safety cases



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### Overview

This unit is about activity in the development of arguments and safety claims that provide the main focus of the safety case.

This activity includes reviewing the evidence produced for the safety case to ensure it supports the arguments and claims, selecting which evidence to use, providing rational and evidence-based arguments, producing a top-level report, summarising key information, and stating conclusions.

This activity is likely to be undertaken by someone involved in preparing safety cases, either by managing them or by contributing technical content for them.

This unit deals with the following:

1. Verify evidence for nuclear safety cases

During this work you must take account of the relevant worksite operational requirements, procedures and safe working practices AS THEY APPLY TO YOU.

Previous Version: Unit N314 National Occupational Standards in Radiation Protection - December 2005

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### Performance criteria

*You must be able to:*

- P1 review all the evidence produced for the safety case
- P2 ensure the evidence has been verified through the agreed verification procedures
- P3 confirm that the evidence supports the arguments and claims in the safety case
- P4 select all relevant evidence for inclusion in the safety case
- P5 consult with all key stakeholders on their views of the safety claims
- P6 provide rational and evidence-based arguments to support the safety claims
- P7 produce top-level safety reports that summarise the key information and conclusions arising from the work on the safety case
- P8 comply with all relevant regulations and standards, and record all relevant actions and outcomes in the appropriate information systems

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### Knowledge and understanding

*You need to know and understand:*

- K1 communication and presentation methods
- K2 hazard and risk assessment methods
- K3 health and safety issues and requirements
- K4 nuclear industry: types of facilities, materials, and processes
- K5 organisational structures and procedures
- K6 radiation: types, sources, and hazards
- K7 safety case design and preparation
- K8 stakeholder requirements
- K9 statutory requirements, regulations, and standards, including international, national, and local

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**Relevant occupations** Professional Occupations; Engineering Professionals; Engineering and manufacturing technologies; Engineering

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**Suite** Safety Case Preparation

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**Key words** develop, safety claims, safety case, information, conclusions

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