
Overview

This unit is about activity in the review of nuclear safety cases after they have been implemented.

This activity includes confirming the scope of the safety case, identifying suitable time for a review, developing criteria for the evaluation of the safety case, applying analysis methods, considering the results, and recommending changes.

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. Review nuclear safety cases during operation

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 N323 National Occupational Standards in Radiation Protection - December 2005

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Review nuclear safety cases during operation

Performance criteria

You must be able to:

- P1 identify the scope and purpose of the existing safety case
- P2 establish an appropriate time for the review of the safety case to be conducted
- P3 consult with all key stakeholders on their views of the safety case
- P4 assess how far the standards and requirements used in the safety case compare with the current versions
- P5 develop criteria for evaluating the safety and effectiveness of the safety case
- P6 obtain information to assist in the evaluation of the safety case
- P7 apply appropriate analysis methods to determine the safety and effectiveness of the safety case
- P8 consider the results of the review of the safety case against ALARP principles
- P9 recommend changes to the safety case which will lead to greater safety and effectiveness
- P10 inform the organisation of the recommendations for the safety case
- P11 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 ALARP principles.
- K2 communication and presentation methods
- K3 hazard and risk assessment methods
- K4 health and safety issues and requirements
- K5 nuclear industry: types of facilities, materials, and processes
- K6 organisational structures and procedures
- K7 radiation: types, sources, and hazards
- K8 safety case design and preparation
- K9 stakeholder requirements
- K10 statutory requirements, regulations, and standards, including international, national, and local

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Suite Safety Case Preparation

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