ISO

Document: ISO/TC 85/SC 5/WG 8/ISO-23133:2021 Summary

Nuclear criticality safety — Nuclear criticality safety training for operations

This document provides a summary of the following:
ISO-23133:2021 (First Edition) *Nuclear criticality safety — Nuclear criticality safety training for operations*
Sûreté-criticité — Formation à la sûreté-criticité dans le cadre de l'exploitation

What is this standard?

This international standard provides details of the minimum requirements for providing and maintaining nuclear criticality safety training for operations staff, operations supervisors, and management.

What does it cover?

It sets out the minimum nuclear criticality safety training requirements for operations staff, operations supervisors, and management. Specifically, it covers:

- Objectives of training
- Roles in the training program
- Content of training
- Delivery of training
- Evaluation of training and testing
- Maintenance of training
- Training records

As well as prevention, this international standard includes training for preparedness and response to a potential criticality accident. However, ISO-11320:2011 contains more specific training provisions on emergency preparedness and response.

Why is it useful?

Experience of criticality accidents and evidence of operations history worldwide has indicated that human errors, through lack of understanding or ignorance of nuclear criticality safety, have often contributed to accidents. To maintain nuclear criticality safety for facilities handling and processing fissile material it is necessary to ensure the operations staff, operations supervisors, and management are suitably trained in nuclear criticality safety.

Who should use it?

An individual or body who has responsibility in defining criticality safety training requirements, or an individual or body who has responsibility in the development, maintenance, or delivery of nuclear criticality safety training.

Where can I find out more?

The ISO-23133 standard webpage can be found at the ISO website:

https://www.iso.org/standard/74671.html