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## Safety Culture

### What does Safety Culture mean?

**Safety Culture** is that assembly of characteristics and attitudes in organizations and individuals which establishes that, *as an* overriding priority, nuclear plant safety issues receive the attention warranted by their significance.

### Are suppliers concerned by Safety Culture?

The organizations operating nuclear plants, and all other organizations with a responsibility for safety (including suppliers), must develop a Safety Culture to prevent human error and benefit from the positive aspects of human action. **The safety of the plant is also highly dependent on those who designed, built and commissioned it in the past.**

All these organizations, which include those responsible for design, manufacture, construction and *research*, greatly influence the safety of nuclear plants. They *are* primarily responsible for the **quality of the product**, be it a design or a manufactured component, installed equipment, a safety report or software development, or any other safety-related item.

The **Safety Culture** in any organization is based on the directive laying down the **policy and practices to be observed to achieve quality**, and thereby to meet the safety objectives of the future operator.

### What does attention to safety involve?

In all types of activities, **for organizations and individuals at all levels, attention to safety involves** many elements:

- *Individual awareness* of the importance of safety, including a *questioning attitude*, a *rigorous and prudent approach and communication*.
  - *Knowledge and competence*, conferred by training and instructors and by self-teaching.
- *Commitment*, requiring demonstration at senior management level of the high priority given to safety and adoption by individuals of the common safety goal.
- *Motivation*, through leadership, the setting of objectives and systems of rewards and sanctions, and through the self-generated attitudes of individuals.
- *Supervision*, including audit and review practices, with a readiness to respond to the questioning attitudes of individuals.
- *Responsibility*, through formal assignment and description of duties and their understanding by individuals.

Good practices, while *an* essential component of Safety Culture, *are* not in themselves sufficient if applied without thinking. It is essential to go beyond the strict implementation of good practices so that all safety-related tasks *are* carried out correctly, with alertness, due thought and full knowledge, sound judgement and a proper *sense* of accountability.

# Sicherheitskultur

Nukleare Sicherheit durch optimales

Zusammenwirken von Mensch und Organisation



## Was bedeutet "Sicherheitskultur"?

- Sicherheitskultur ist die **Gesamtheit von Merkmalen und Einstellungen** bei Organisationen und Individuen, die dazu führt, dass Angelegenheiten der nuklearen Sicherheit von Kernkraftwerken die ihrer Bedeutung als oberste Priorität entsprechende Aufmerksamkeit erhalten.
- Sicherheitskultur äußert sich durch ein **sicherheitsbezogenes, verantwortungsbewusstes Handeln** eines jeden Einzelnen, entsprechend seinen Fähigkeiten, Mitteln und Kompetenzen sowie durch die Gestaltung eines diesem Ziel gerecht werdenden Umfeldes.

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### Das **Qualitätsmanagement-System** trägt zu einer guten Sicherheitskultur bei:

- Qualitäts -Handbuch, -Anweisungen, -Politik, Audits
- Prozessbeschreibungen
- Risikobewertungen
- Design Reviews
- Verifizierung & Validierung (Design, Entwicklung, Produkt)
- Schulung / Qualifikation
- Management Reviews
- Lieferantenqualifizierung

### Persönliche Beiträge zur Sicherheitskultur:

- Nukleare Sicherheit und Sicherheitskultur fördern
- alle anzuwendenden Anweisungen beachten
- konservativ sicherheitsgerichtete Entscheidungen treffen (STAR Prinzip: STOP-THINK-ACT-REVIEW)
- offen über Fehler und Abweichungen berichten
- Faktoren & Zustände, die einer guten Sicherheitskultur entgegenstehen erkennen
- Sicherheit und Qualität kontinuierlich verbessern
- der Verantwortung bewusst sein und die Schnittstellen kennen

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