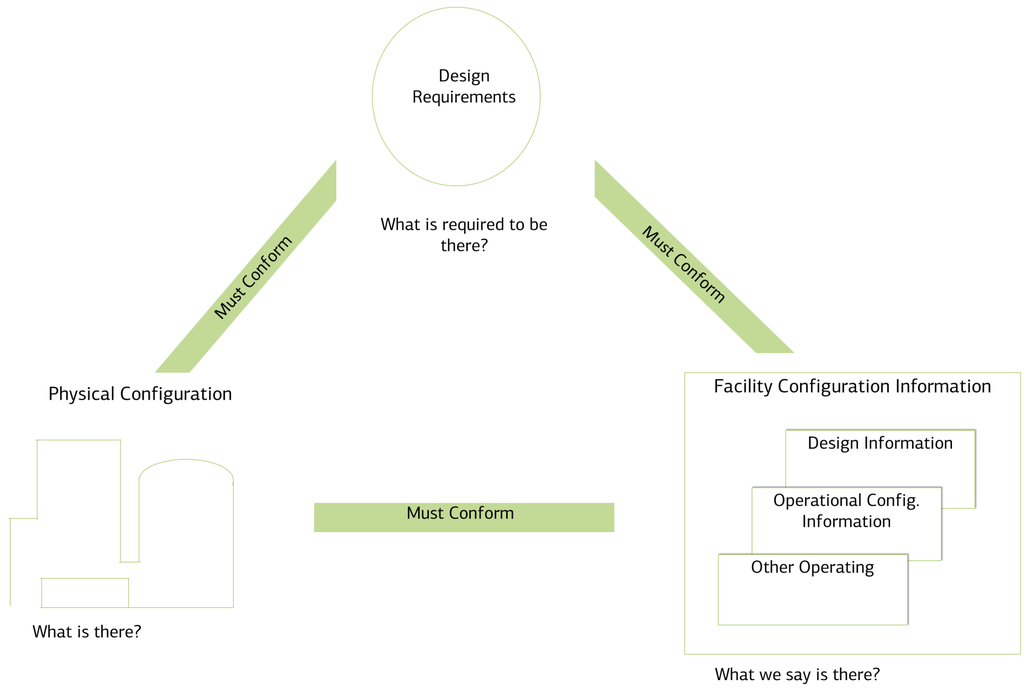
Systematic handling of requirements and conditions

Requirements management, a part of configuration management, is an area that recently has received increasing attention within the project management context.

Why requirements management?

Requirements management creates traceability between requirements and their origin, dependencies within and between projects, and to verifying activities. It can be used to support decisions and changes in a project and product development.

With increased project and product complexity and time-span, the need for a systematic requirements management increases. As time goes on, knowledge may be lost and requirements and conditions may change.



The use of systematic requirements management in a project is a key for a successful configuration management throughout the product lifecycle.

Requirements management in decommissioning?

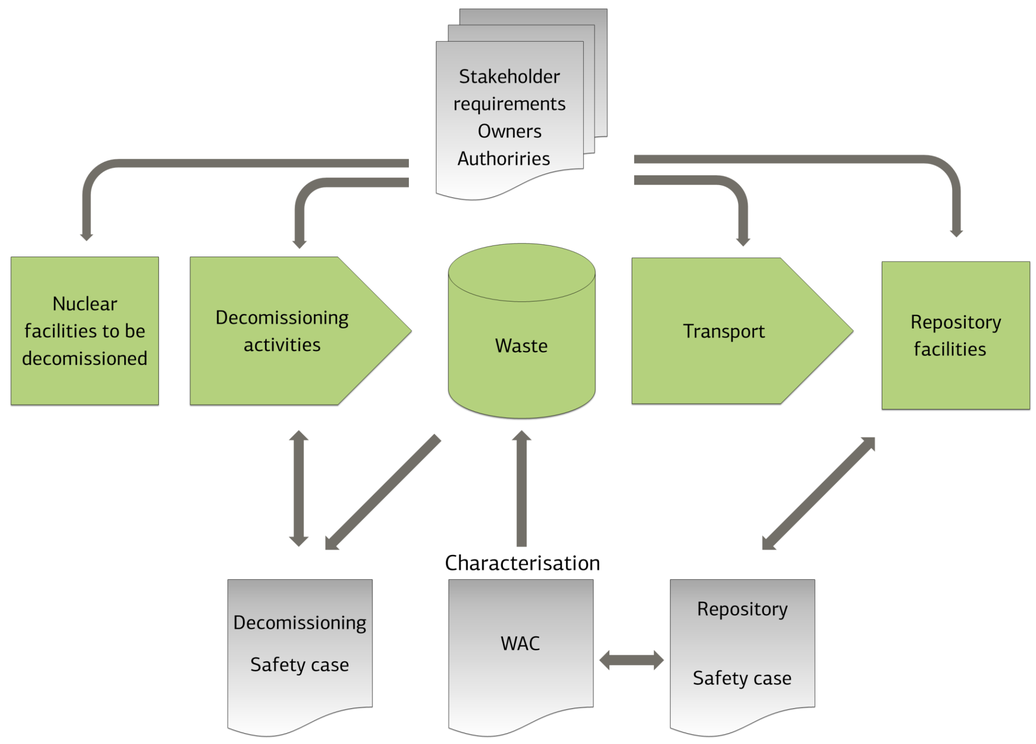
There are at least two safety cases involved in decommissioning, one for the predisposal activities and one for the disposal facility. Each safety case leads to a set of requirements on the activities and components involved.

The link between the safety cases of Predisposal activities and the Disposal facility is primarily the Waste Acceptance Criteria (WAC), defined as “the requirements that are to be met by conditioned radioactive wastes, forming packages, to be accepted at an Interim Storage or a Disposal Facility”.

Further, it is recommended that WAC should be set up for each stage of the predisposal activities in the Waste Management Plan or Strategy. In addition to waste acceptance criteria (WAC), there are process control and quality assurance requirements, transportation requirements, and worker safety requirements to be considered.

Many of the activities carried out in the decommissioning process are performed in order to verify the fulfillment of these different requirements.

Systematic requirements management helps make the requirements set by different parts of the chain, originating from different stakeholders and safety aspects, traceable to the verifying activities.



How does a future change in stakeholder requirements, initial conditions or scientific knowledge affect different parts of the chain?

The traceability built by systematic requirements management reduces risks in change management and increases the understanding between different projects and phases.

What can we do?

Faveo has experience of working with requirements management and competence to set up strategy for a systematic requirements management that helps understanding, reduces risks and increases efficiency.

Our offer include

- Traceability between the origin of design and operational requirements, the dependencies between them and links to verifying activities.
- Use of proper methodology for requirements management with traceability matrices and database-tools.
- Risk reduction in change management and increased understanding between different projects and phases.