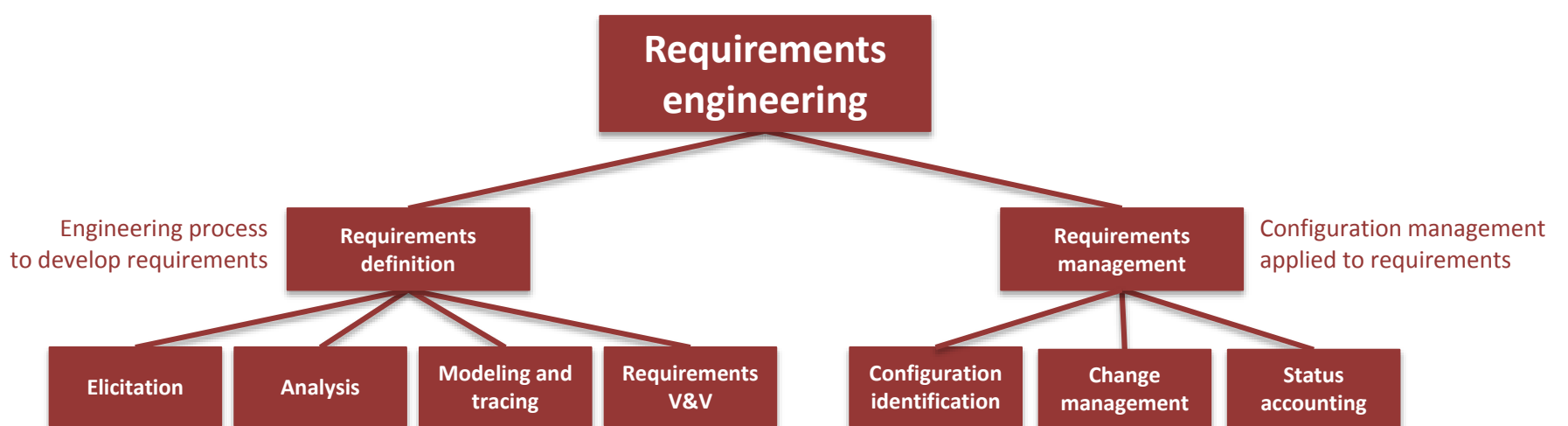


Motivation

- Clearly stated requirements and traceability to design solutions are a *key prerequisite for demonstrating plant safety*.
- Requirements engineering is an *abstract and multi-disciplinary* area, and widely considered as a challenge.

Objectives

- Develop *good practices* for requirements specification and management.
- Focus on the safety of *instrumentation and control (I&C)* systems and the early stages of design.
- Produce *useful guidance* for engineers.



A structured *conceptual model* of requirements, traceability and the requirements engineering process.

Thesis on *practices* for ensuring system compliance with regulatory requirements throughout the life cycle.

RESULTS

Concept of Operations (*ConOps*) as a vehicle of multi-disciplinary collaboration and basis for requirements definition.

Introductory guide to requirements engineering for control engineers.

Guidelines for EARS in NPP -- Easy Approach to Requirements Syntax to document and analyze requirements.