

# Detail Design Subsystem Design Static Part - VOPC

---

# Subsystem Design Steps - continuing

## Document Subsystem Elements

We have responsibilities allocated to subsystems and now responsibilities are allocated to the **subsystem elements**.

- We have collaborations between subsystem elements modeled via interaction diagrams.
- → So, what's left to do:
  - Model internal structure of subsystem elements and their relationships
  - Relationships are driven by what is required to support the collaborations to implement the subsystem interfaces
- **First, let's look inside subsystem to collaborations wholly contained within that realization.**

# Procedure: Document Internal SubSystem Structure

- → Create Class Diagram(s) showing contained elements and their associations.
- Create State diagram?
  - May be appropriate to show different states subsystem can assume. (interfaces and subsystems are “stateful”).
- Document any order dependencies
  - (i.e., op1 must be executed before op2, etc.).