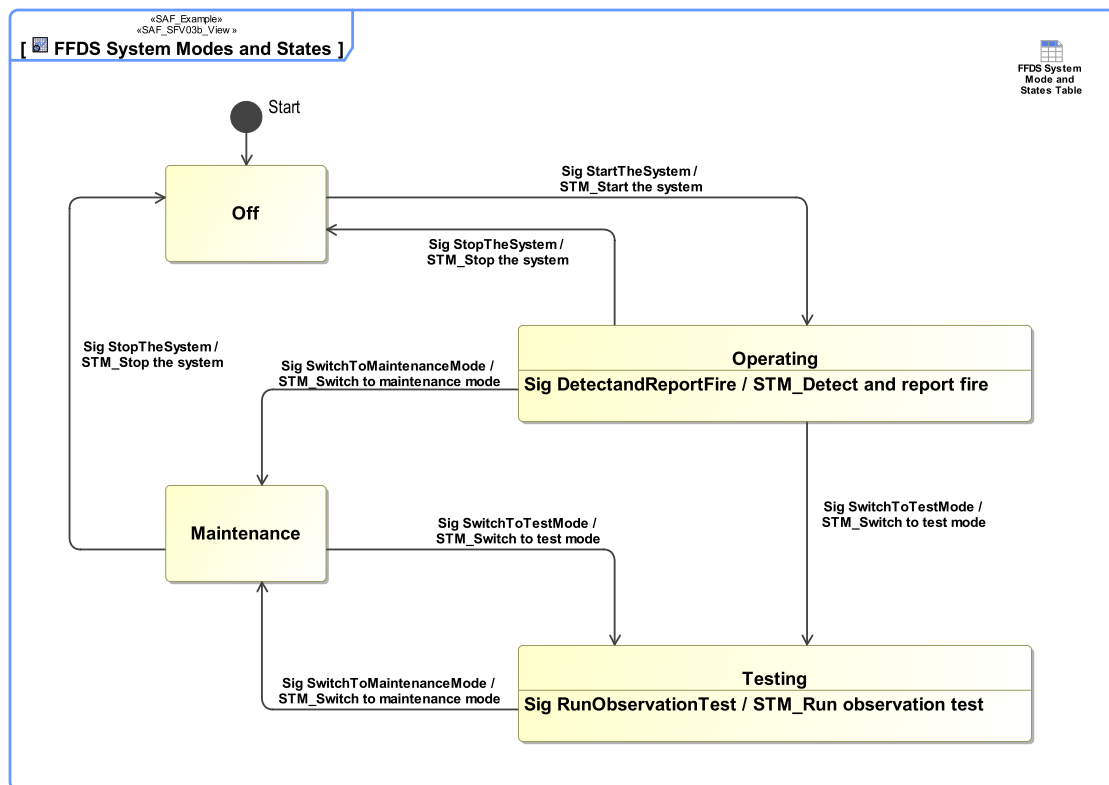System Architecture Framework

System State Viewpoint

Domain: **Functional** *Aspect:* **Behavior**

Example

Purpose

The System State Viewpoint defines the condition(s) of the SOI or parts of it that constrain the execution of System Function(s). A System State is a pre-condition or post-condition of a Use Case, or is used in Requirement(s). The valid transition(s) between System State(s) and the condition(s) for transitioning are specified.

Applicability

[tbd] Note:

Stakeholder

- Customer
- Maintainer
- Safety Expert
- Security Expert

- [System Architect](#)
- [User](#)

Concern

- Which system functions are dependent on a systems mode or state?
- Which modes and states does the system have?

Presentation

[tbd] Note:

Profile Model Reference

- Event [UML_Standard_Profile]
- [SAF_DomainKind](#)
- [SAF_LogicalElement](#)
- [SAF_SFV03b_View](#)
- [SAF_SystemFunction](#)
- State [UML_Standard_Profile]
- StateMachine [UML_Standard_Profile]
- StateMachine [UML_Standard_Profile]
- Transition [UML_Standard_Profile]

Input from other Viewpoints

Required Viewpoints

none

Recommended Viewpoints

- [System Context Definition Viewpoint](#)
- [System Domain Item Kind Viewpoint](#)
- [System Process Viewpoint](#)