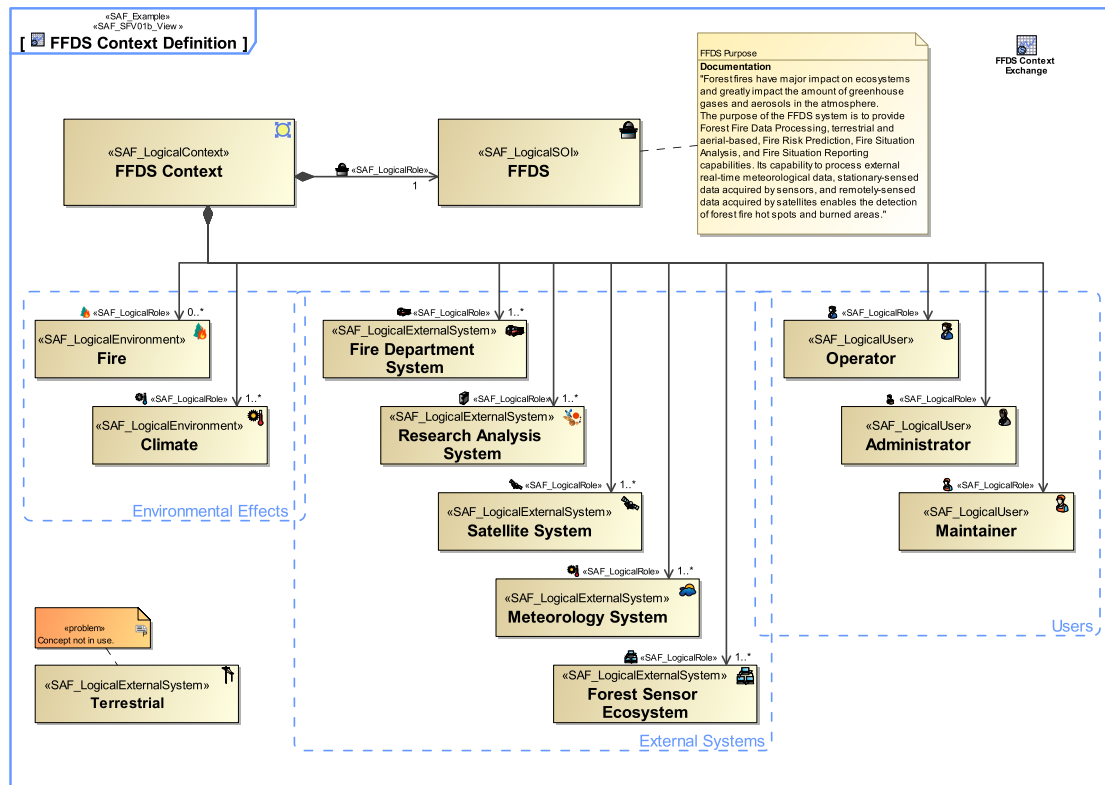


System Context Definition Viewpoint

Domain: Functional Aspect: Context

Example



Purpose

The System Context Definition Viewpoint defines how the SOI is embedded in its Environment, i.e. where the boundary of the SOI is and who the External Entity(s) are the SOI interacts with (e.g. User(s), other External System(s), Environmental Condition(s), etc.). The SOI provides and requests Context Function(s). The SOI shall be able handle Event(s) and Effect(s) from the outside.

Applicability

The System Context Definition Viewpoint supports the "Prepare for Requirement Definition" activity included in "System Requirements Definition Process" activities of the INCOSE SYSTEMS ENGINEERING HANDBOOK 2015 [§ 4.3] and contributes to the system Functional Interface Identification. Note:

Stakeholder

- Acquirer
- Customer
- System Architect

- [User](#)

Concern

- What is the System Boundary definition?
- Which interface partners does the system have?
- What are necessary enabling systems?
- What are the different contexts the system is embedded and utilized in?
- What are the external conceptual entities the system interacts with in the respective context?
- Which classes of users (roles) will interact with the system?
- What is the support environment for the system?
- What are the geographical and physical locations of the intended / proposed elements of the solution?

Presentation

A BDD featuring the following elements

- a Logical Element block representing SOI in the logical domain
- a Logical Context block representing the addressed context in the logical domain
- Logical Context Element blocks for each relevant context element
- a Composition relationship from Context block to each Context Element used in the context
- a Composition relationship from Context block to the SOI

Profile Model Reference

- Association [UML_Standard_Profile]
- Association [UML_Standard_Profile]
- [SAF_LogicalContext](#)
- [SAF_LogicalEnvironment](#)
- [SAF_LogicalExternalSystem](#)
- [SAF_LogicalRole](#)
- [SAF_LogicalRole](#)
- [SAF_LogicalSOI](#)
- [SAF_LogicalUser](#)
- [SAF_SFV01b_View](#)

Input from other Viewpoints

Required Viewpoints

none

Recommended Viewpoints

- Operational Context Definition Viewpoint