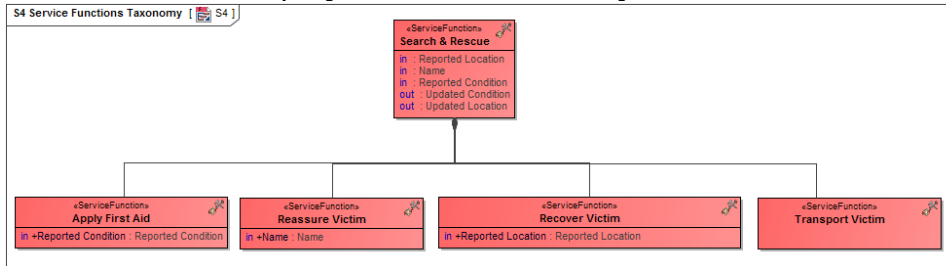# S4 Service Functions

Description

The S4 Service Functions view defines the behavior of a service in terms of the functions it is expected to perform. S4 is the key behavioral specification for services. Equivalent in nature to L4 - Logical Activities and R4 - Resource Functions, it specifies a set of functions that a service implementation is expected to perform.
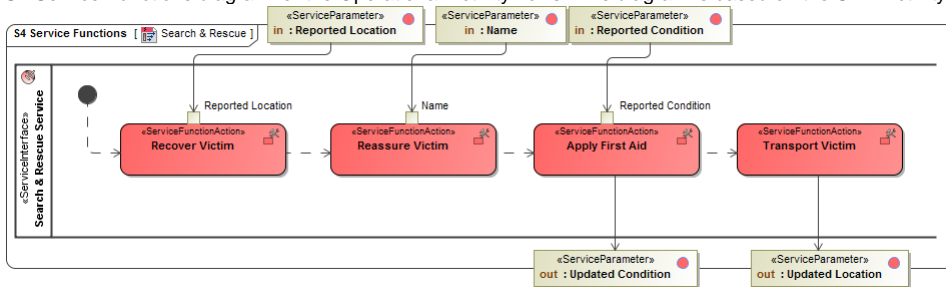
Implementation

The S4 view can be represented using:

- S4 Service Functions Taxonomy diagram based on the UML Clas diagram.

- S4 Service Functions diagram for the Operational Activity flows. This diagram is based on the UML Activity diagram.

- UML Activity diagram.
- SysML Activity diagram.
- SysML Block Definition diagram.
- UML Class diagram.

Related elements

- Service Function
- Service Function Action
- Function Control Flow
- Function Object Flow
- Service Method
- Service Parameter
- Service Interface

Related procedures