

SV-10a Systems Rules Model

Description

The SV-10a specifies functional and nonfunctional constraints on the implementation aspects of the architecture (i.e., the structural and behavioral elements of the Systems Viewpoint).

The SV-10a DoDAF-described Model describes constraints on the resources, functions, data, and ports that make up the SV. The constraints are specified in text and may be functional or structural (i.e., non-functional).

The intended usage of the SV-10a includes:

- Definition of implementation logic.
- Identification of resource constraints.

Implementation

SV-10a can be represented using:

- A SV-10a table.
- A SV-10a spreadsheet report.

#	Applies to	Rule Specification	Kind
1	 Naval Ship	Only SOLAS regulated ships of 300 GT and above are required to carry AIS.	StructuralAssertion
2	 Distress Beacon	Should be capable of processing beacon alerts on 121.5 MHz, 243 MHz and 406 MHz.	StructuralAssertion
3	 Aircraft	At each location, one helicopter should be available at 15 minutes readiness between 0800 and 2200 hours with another available at 60 minutes readiness between 0800 hours and evening civil twilight (ECT). Between 2200 and 0800 hours, one helicopter should be held at 45 minutes readiness.	StructuralAssertion
4	 Aircraft	Other RAF and RN helicopters can be used on SAR missions when available. Requests for such assistance should be made through the ARCC.	StructuralAssertion
5	 Aircraft	All RAF SAR helicopter rear crew should be medically trained	StructuralAssertion

In contrast to the [OV-6a Operational Rules Model](#), SV-10a focuses on physical and data constraints rather than business rules.

Related procedures

- [Creating SV-10a table](#)

Related elements

- Resource Constraint
- System
- Software
- Capability Configuration
- Organization Type
- Person Type
- Function
- Entity Item
- Resource Interaction
- Exchange Element