


# SAF User Documentation : D2\_VPTI Viewpoint Implementation Viewpoint

Domain	Aspect	Maturity
SAF Development	Taxonomy & Structure	 proposed

## Example

Viewpoint-Implementation-Viewpoint-primary-example.svg

## Purpose

The Viewpoint Implementation Viewpoint defines the implementation of SE concepts exposed by SAF Viewpoints. It serves as the basis for profile implementations of SAF. It shall specify

- for each exposed concept an implementation
- an implementation for each presentation of the viewpoint
- full traceability from implementation

## Applicability

The Viewpoint supports the "Specification of an architecture description framework" as defined in ISO41010:2022

## Presentation

A Profile Diagram featuring SCM\_Concept elements for the exposed concepts of a viewpoint, stereotypes from the SAF Profile implementing the concepts, and SCM\_RealizeConcept relationships tracing the implementation to the implemented concept. If concepts are implemented directly by UML Metaclasses or by SysML profile elements, they shall be shown on the diagram and related to the concepts. There are additional relationships SCM\_Attribute, SCM\_TypedBy and SCM\_ContainedIn, that can be used to specify details of the implementation, e.g. if a concept is to be implemented by the fact that one element is part of an other element. Please see the SAF Development Guide how to do this.

## Stakeholder

- [SAF Developer](#)

- [SAF System model user](#)

## Concern

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- [How is a viewpoint implemented \(which stereotypes /model elements are used\)?](#)
- [What is the implementation of the frameworks concepts?](#)

## Profile Model Reference

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The following Stereotypes / Model Elements are used in the Viewpoint:

## Input from other Viewpoints

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### Required Viewpoints

*none*

### Recommended Viewpoints

*none*