

AV-2 Integrated Dictionary

Description

The AV-2 presents all the metadata used in an architecture. An AV-2 presents all the data as a hierarchy, provides a text definition for each one and references the source of the element (e.g., DoDAF Meta-model, a published document or policy).

An AV-2 shows elements from the DoDAF Meta-model that have been described in the Architectural Description and new elements that have been introduced by the Architectural Description.

It is essential that organizations within the DoD use the same terms to refer to a thing. Because of the interrelationship among models and across architecture efforts, it is useful to define common terminology with common definitions (referred to as taxonomies) in the development of the models within the Architectural Description. These taxonomies can be used as building blocks for DoDAF-described Models and Fit-for-Purpose Views within the Architectural Description. The need for standard taxonomies derives from lessons learned from early DoD Architectural Description development issues as well as from federation pilots conducted within the Department. Federation of Architectural Descriptions were made much more difficult because of the use of different terminology to represent the same architectural data. Use of taxonomies to build models for the architecture has the following benefits over free-text labeling:

- Provides consistency across populated views, based on DoDAF-described Models.
- Provides consistency across Architectural Descriptions.
- Facilitates Architectural Description development, validation, maintenance, and re-use.
- Traces architectural data to authoritative data sources.

Implementation

AV-2 can be represented:

- Using a report, which is automatically generated from all data. Since only a partial AV-2 report can be generated, the rest of data must be filled in manually.
- An AV-2 table.

#	Name	Definition	UPDM Type	UML Metatype	Used in Diagrams
1	 Compas-SarsatSystem Standard	Cospas-Sarsat is an international organisation that uses satellite technology to detect active radio distress beacons anywhere on Earth and to ensure that the distress alert data is passed quickly to the appropriate RCC.	 TechnicalStandard [Class]	 Class	 AV-2  StdV-2  SV-9
2	 Fixed Wing Aircraft	The Nimrod can fly at high speed to a distance of approximately 800 nautical miles from base and then search for a period of 5 hours. Range can be extended at the expense of search time, or both may be extended by the use of in-flight refueling.	 System [Class]	 Class	 AV-2  StdV-1
3	 Helicopter	The RAF Sea King helicopters at Boulmer, Chivenor, Leconfield, Lossiemouth, Valley and Wattisham have a maximum endurance of 6 hours. This gives a radius of action of approximately 250 nautical miles from base. This can be extended by refuelling from forward bases, oil platforms or suitably equipped RN ships.	 System [Class]	 Class	 AV-2  StdV-1  SV-9

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