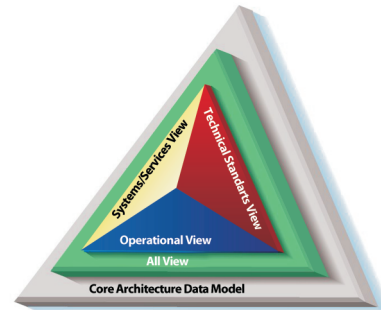


## DoDAF in MagicDraw

MagicDraw UML offers full support of all DoDAF products. It is easy to create integrated DoDAF products and maintain their inter-relationships. MagicDraw will create integrated architecture, supporting all types of relationships between elements in separate products or views. Modification of the model will result in the automatic updates of the referenced elements.



## UML Profile for DoDAF

In order to meet specific DoDAF needs, in cooperation with OMG a UML profile extending UML and SysML was created.

## DoDAF Products

The products of each of the views and their form in MagicDraw are listed below.

DoDAF Product	Name	Diagram (diagram type)	Matrix	Report	Table
AV-1	Overview and Summary Information	-	-	✓	-
AV-2	Integrated Dictionary	-	-	✓	-
OV-1	High-Level Operational Concept Graphic	UML Use Case	-	-	-
OV-2	Operational Node Connectivity Description	SysML Structure*	-	-	-
OV-3	Operational Information Exchange Matrix	-	-	✓	-
OV-4	Organizational Relationship Chart	UML Class	-	-	-
OV-5a**	Operational Activity Model	UML Class	-	-	-
OV-5b**	Operational Activity Model	UML Activity	-	-	-
OV-6a	Operational Rules Model	-	-	✓	-
OV-6b	Operational State Transition Description	UML State Machine	-	-	-
OV-6c	Operational Event-Trace Description	UML Sequence	-	-	-
OV-7	Logical Data Model	UML Class	-	-	-
SV-1	Systems Interface Description	SysML Structure	-	-	-
SV-2	Systems Communications Description	SysML Structure	-	-	-
SV-3	Systems-Systems Matrix	-	✓	-	-

\* Block definition and internal block diagrams can be used as SysML structure diagrams

\*\* OV-5 and SV-4 were split into two products in order to describe structural decomposition and flow

DoDAF Product	Name	Diagram (diagram type)	Matrix	Report	Table
SV-4a	System Functionality Description	UML Class	-	-	-
SV-4b	System Functionality Description	UML Activity	-	-	-
SV-5	Operational Activity to Systems Function Traceability Matrix	-	✓	-	-
SV-6	Systems Data Exchange Matrix	-	-	-	-
SV-7	Systems Performance Parameters Matrix	-	-	-	✓
SV-8	Systems Evolution Description	UML State Machine	-	-	-
SV-9	Systems Technology Forecast	-	-	-	✓
SV-10a	Systems Rule Model	-	-	✓	-
SV-10b	Systems State Transition Description	ULM State Machine	-	-	-
SV-10c	Systems Event-Trace Description	UML Sequence	-	-	-
SV-11	Physical Schema	UML Structure	-	-	-
TV-1	Technical Standards Profile	-	-	-	✓
TV-2	Technical Standards Forecast	-	-	-	✓

### Extended UML diagrams

UML specifics will be hidden in order to concentrate on DoDAF core data. MagicDraw will provide

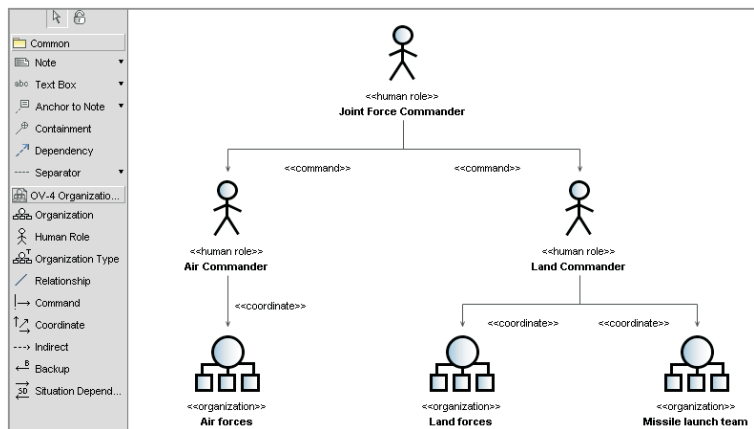
- New diagram types
- Specific diagram toolbars
- Specific element icons
- Specific relation connection rules
- Specific model validation rules
- New specification windows

### Additional products

Besides extended diagrams, MagicDraw will also support:

- Dependency matrixes for SV-3 and SV-5.
- Tables for SV-7, SV-9, TV-1, and TV-2.
- Generated documents (reports) for AV-1, AV-2, OV-3, OV-6a, SV-6, and SV-10a.

MagicDraw will also generate a document that will contain all DoDAF products.



[www.magicdraw.com/dodaf](http://www.magicdraw.com/dodaf)



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