

# The DODAF-AP233 Project Demonstration

*This document explains the demonstrations of the DODAF/AP233 mapping software implemented as part of the project.*

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## 1. Phase 2 Deliverable Set 2

In August 2006 SV-5, SV-6 and SV-7 were added to the CADM Mappings. This deliverable includes the first [AP233 ARM Ruby API](#) (./ap233/highapi.html) based on AP233 Working Draft 2 (with fixes) schema.

## 2. Phase 1a Presentation

In March 2006 the Phase 1a Presentation was provided to the OSJTF at their offices in Crystal City, VA. That presentation is available as a [PowerPoint Slideshow](#) (./dodaf/DOD\_CADM\_AP233\_2006\_03\_Review.pps) .

## 3. OSJTF SOS Meeting Demonstration

In September 2005 the OSJTF host a Systems of Systems meeting at their offices in Crystal City, VA. The following presentation and demo was prepared for that session.

1. Brainstorm an Activity Breakdown in a meeting using a MindMap tool and save that data as AP233 and CADM
2. Import the Activity Breakdown into a UML Use Case as an OV-5
3. Create a UML Statechart as an OV-6b representing the execution of one of the DODAF Activities represented as a UML Use Case
4. Export the Statechart and convert to AP233 State-based behaviour structures
5. Convert AP233 State-based behaviour structures to Statechart Virtual Machine format and simulate the execution of the DODAF Activity

A slide presentation to explain the demonstration was also provided. That presentation is available as a [PowerPoint Slideshow](#) (./dodaf/DOD\_CADM\_AP233\_2005\_09\_Review.pps)

## 4. Phase 1 Final Demonstration

In February 2005 the Phase 1 Final Demonstration was provided to the OSJTF at their offices in Crystal City, VA. The Final Demonstration consisted of three steps in a possible scenario:

1. Brainstorm an Activity Breakdown in a meeting using a MindMap tool and save that data as AP233 and CADM
2. Import the Activity Breakdown into a UML Use Case and add Nodes to conduct the activities and save that data as AP233 and CADM
3. Import the Nodes into a UML Deployment diagram and add Interfaces between the Nodes

A slide presentation to explain the demonstration was also provided. That presentation is

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available as a [PowerPoint Slideshow](#) (./dodaf/DOD\_CADM\_AP233\_Final\_Presentation.ppt)

A slide presentation to explain the project and demonstration was also made at the Modeling and Simulation Committee of the National Defense Industrial Association (NDIA) Systems Engineering Division sessions the same week. Additional background on the M&S Committee, its activities and products is available at [their Web site](#) (<http://www.ndia.org/divisions/modeling>) . That presentation is available as a [PowerPoint Slideshow](#) (./dodaf/NDIA\_MS\_DOD\_CADM\_AP233\_Presentation.ppt) .

### **5. Interim Demonstration**

In November 2004 an Interim Demonstration was provided in the OSJTF booth at the joint OMG/INCOSE MARC sessions held in Crystal City, VA. The Interim Demonstration consisted of two parts:

1. the creation of OV-5 Operational Activity Model data using a UML tool and having that data translated into AP233 XML format and then to DODAF CADM XML Format where it was viewed using a simple stylesheet in a Web browser;
2. the translation of SV-1 Systems Interface Description data provided by the OSJTF in CADM XML format being translated into AP233 XML format and from that into a UML tool for viewing.

A slide presentation to explain the significance of the project and the demonstration itself was also provided. That presentation is available as a [PowerPoint Slideshow](#) (./dodaf/DOD\_CADM\_AP233\_Interim\_Report.pps) .

The technical content of the Interim Demonstration is available. It is contained in a packaged [ZIP file](#) (./dodaf/InterimDemoNov2004.zip) . Please read the INSTALLATION\_GUIDE.txt followed by the USER\_GUIDE.txt in order to be able to give the Interim Demonstration.

#### **Warning:**

The mappings used for the interim demo were not the final CADM-AP233 mappings. They were only used for demonstration purposes.