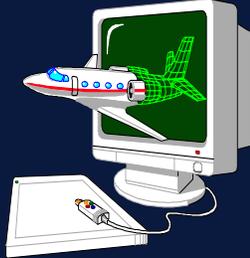


2003 FAA National Software Conference Manufacturing/Production Software Activities



Manufacturing Software



*Steven Sandmann
Software Conference
September 16-18 ,2003
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Presentation Overview

- ☞ Purpose of Overarching Aviation Safety Inspector's Software (OASIS) Team
- ☞ Purpose of the American Aerospace Quality Group (AAQG) Project 21Report Overview
- ☞ Next Steps
- ☞ Summary



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Purpose of OASIS Team

- Chartered by MIMT
- Develop vision for ASIs in manufacturing/production software
- Identify policy, guidance, and training needs related to manufacturing/production software



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OASIS Team Focus

- Current Major Areas of focus:
 - Computer Aided Design, Manufacturing, Inspection and Test (CADMIT) Software
 - 3D Data Sets

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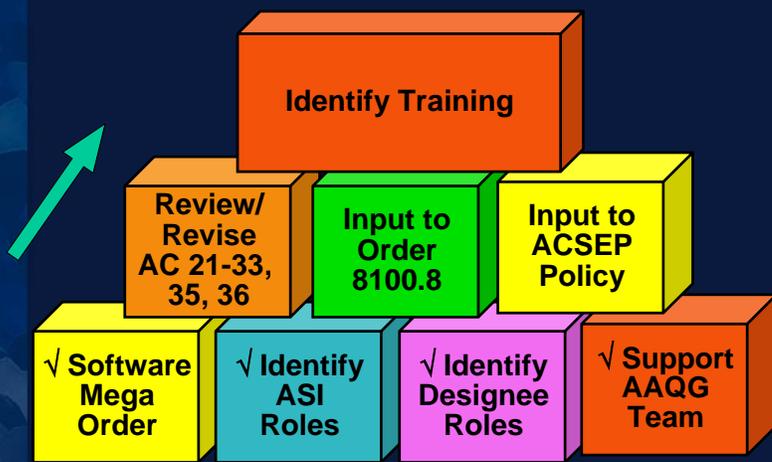
 **Major ASI Roles for CADMIT Software in the PC Process**

- Determine use of CADMIT Software
- Evaluate Manufacturer Control of CADMIT and 3D Datasets



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 **NEXT STEPS FOR OASIS TEAM**



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Purpose of AAQG Project 21

- ☞ **Purpose/Charter**
 - Non-deliverable software not addressed during ISO/AS9100 evaluations
- ☞ **Title**
 - Software Quality Assurance Supplement for Non-Deliverable Software/Firmware
- ☞ **Date Chartered**
 - 10/10/2001

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AAQG Project 21 Focus

- ☞ Supplements AS-9100 as applied to the Non-Deliverable Software Environment
- ☞ Address Non-Deliverable Software Quality System Requirements for Aerospace
- ☞ Applicable to all Non-deliverable software and firmware
- ☞ Evaluate PAH and suppliers' software quality assurance systems

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AAQG Project 21 Focus

- **Candidate for Global Standard**
- **Harmonized with:**
 - ISO 12207
 - ISO 9000-3
 - SEI CMM, CMMI
 - FAA Advisory Circulars

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AAQG Project 21 Next Steps

- **Deliver completed supplement to AAQG membership for balloting**
- **Once accepted release as published document for use in the aviation industry**
- **Target Date September 9, 2003**

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Summary

☞ **Software Used in Manufacturing**

We Had: 

Now we have:

- **OASIS Team**



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