

FAA National Software Conference

Ground-based Activities



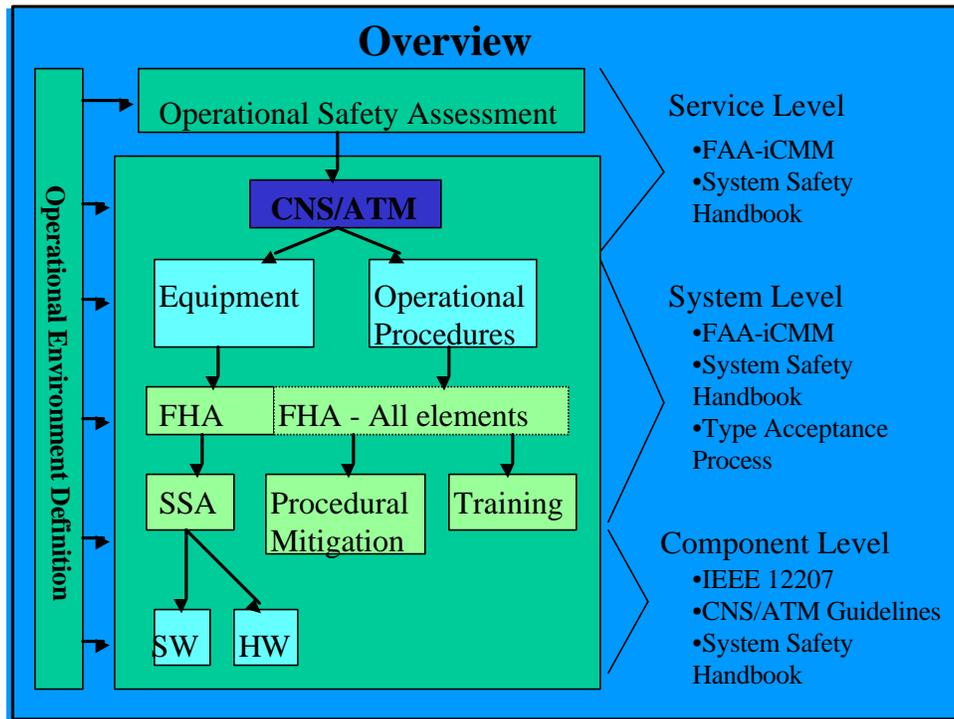
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Mission

- Improve certification /approval practices of the software aspects of airborne and non-airborne systems and develop common processes that achieve a unified approach

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SSAC Impact (1/2)

- Impact of Industry Survey
 - Development of training in FAA organizations
 - Eurocontrol analysis of standards
 - Certification Select Committee
 - Type Acceptance Process
 - Development of FAA-STD 026 implementing IEEE 12207

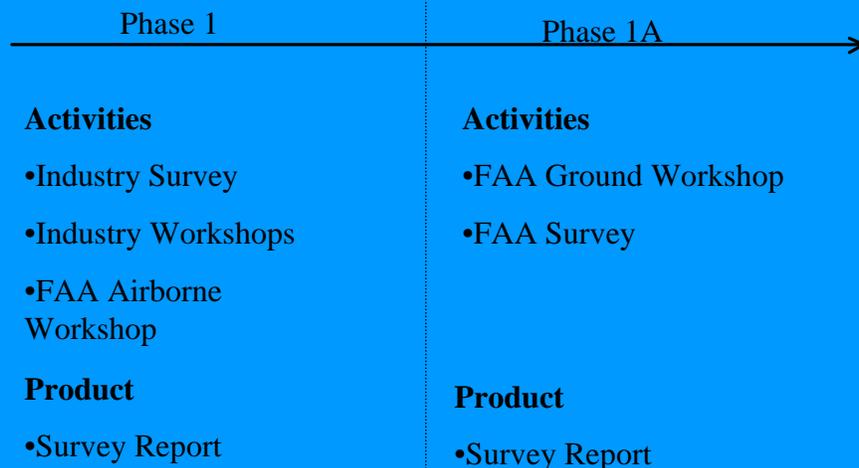
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SSAC Impact (2/2)

- Research Efforts
 - Software Re-use
 - COTS Software
 - Software Reliability

SSAC PLAN



Temporarily Suspended due to funding

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IEEE/EIA 12207

- FAA developing policy to recognize IEEE 12207 as software acquisition standard.
- Phase 1
 - FAA revising FAA-STD-026 and modifying associated DIDs
 - Deliver 12207 awareness training
 - Targeting August 2000 to issue policy
- Phase 2
 - Develop tailored version and associated DID's

Certification Select Committee

- Proposed Near-term initiatives
 - Expanded Delegation Authorization
 - Designee Management Organization
 - One-only STC's
 - CAR 3 and Part 23
 - Type Acceptance process for Navigation Aids
 - A determination that a system proposed for use in the NAS is acceptable for use in the NAS.
 - Assessment Areas
 - Performance, Installation, Operations, Maintenance

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Training

- DO-178B Managers Briefing
- DO-178B Fundamentals Course
- Software Procedures Course (Pending)
- IEEE 12207 Awareness Course
- IEEE 12207 Tailored Course (Pending)

Breakout session topics

- Status of RTCA/SC-190
- Status of CNS/ATM Guidelines
- Software Safety
- Open Forum
 - COTS Software
 - Adaptation
 - Etc.

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Future Work

- Adaptation data
- Software procedures incorporating safety, assurance, and security.
- Expansion of Type Acceptance Process to CNS/ATM systems