

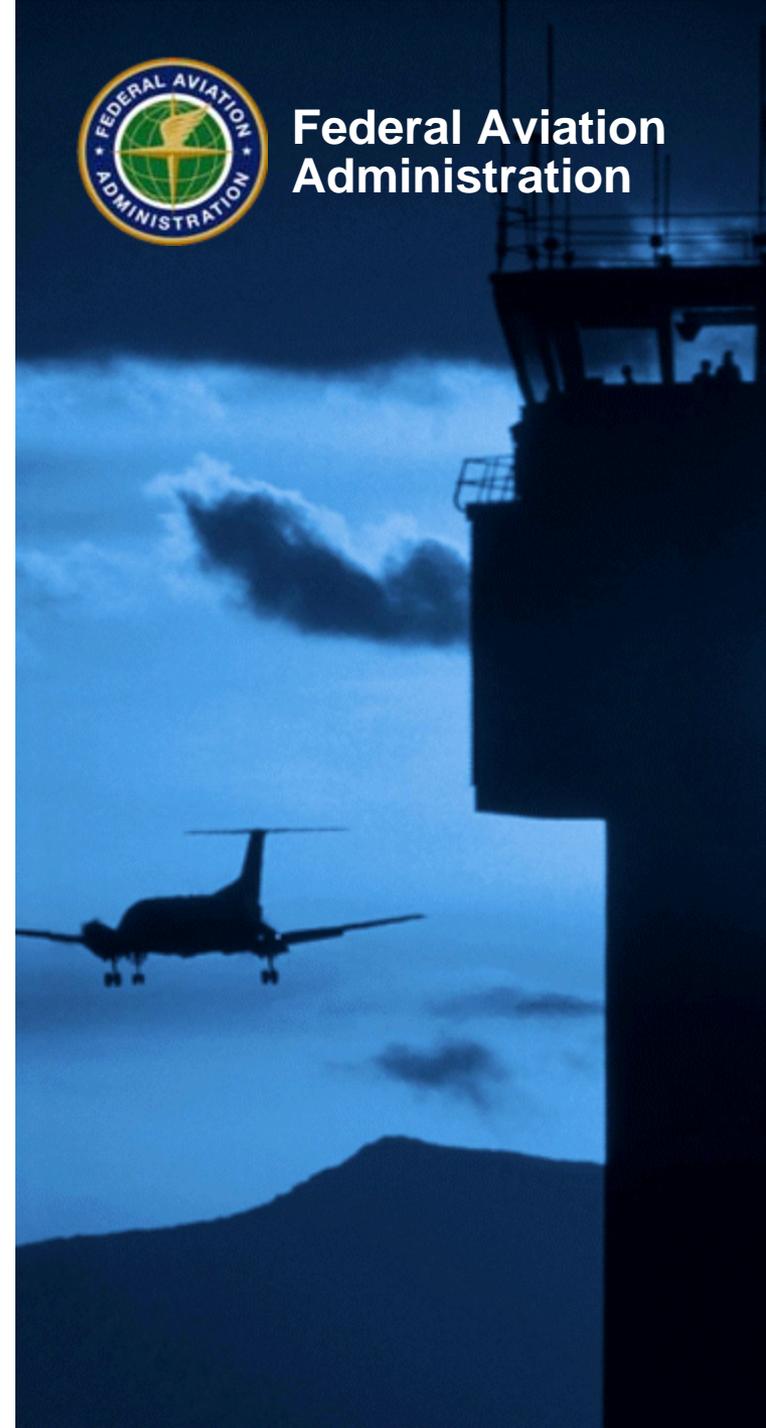
Enterprise Configuration Management Strategy

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Federal Aviation
Administration



Overview

- **Vision**
- **Goals**
- **Strategy**
- **Objectives**

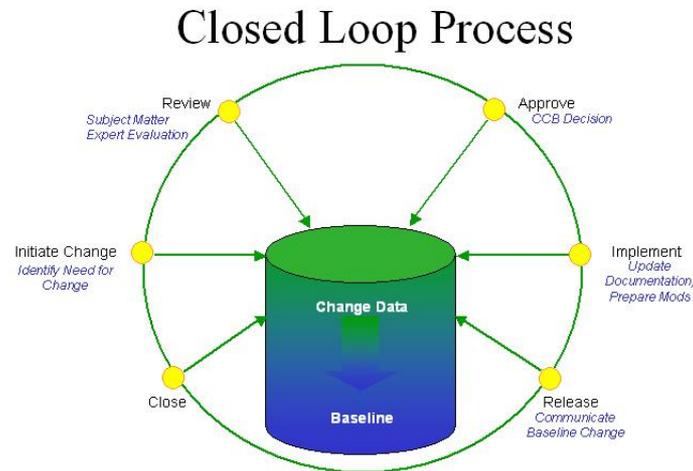


Vision

Provide the best Configuration Management products and services for safe and efficient operations. Foster an environment where the CM discipline becomes inherent throughout the enterprise through collaboration with our partners and stakeholders.

Enterprise CM Goal

Implement an FAA enterprise-wide configuration management infrastructure for the Agency that provides a closed-loop environment to ensure configuration data integrity



Enterprise CM Strategy

- The Enterprise CM organization is responsible for the core functions required for the conduct of CM in the Agency
- Our scope includes all FAA assets and investments which are NAS and NAS regulatory support and administrative systems (non-NAS IT).

This means that the Enterprise CM organization needs to....



Enterprise CM Strategy - Policy

- Maintain enterprise-level CM policy and procedures.
Release FAA Order 1800.66, Rev A
Flight Plan Strategic Initiative – document CM processes and procedures in the non-NAS IT environment
- Support FAA Enterprise Architecture requirements, ensure assets and investments are managed and traceable from the “as-is” configuration reflected in the CM baselines to the “to-be” configuration reflected in the FAA EA

Enterprise CM Strategy - Policy *(continued)*

- Advise the governing entities (e.g., JRC, ATO EC, ITEB, architecture boards and CCBs) to ensure two-way communication of CM requirements and CM related issues or impacts
- Ensure proper mechanisms are in place to fulfill requirements for establishing and maintaining baselines. For example, Investment Review Board (JRC, ITEB, ATO EC...) approved technical requirements are captured in the CM baselines.



Enterprise CM Strategy - M&O

- Conduct monitoring and oversight of CM in the agency to ensure compliance with policy and procedures; proactive identification of trends; accuracy and completeness of data; and implementation of process improvements
- Formalize monitoring and oversight planning and activities to support implementation of enterprise-wide CM discipline and better identification of CM needs

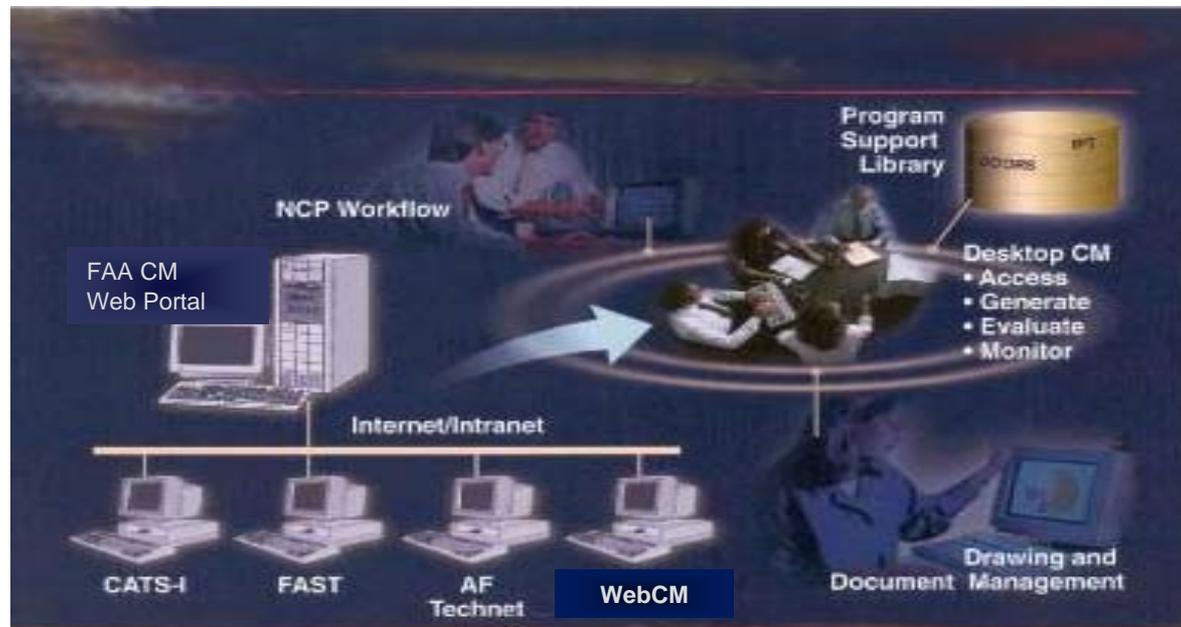


Enterprise CM Strategy - CM Automation

- Provide for an enterprise-wide automated CM support toolset supporting and enabling Agency CM requirements and serving as an information gateway facilitating effective and timely decision making, and ready availability of information.

Flight Plan Strategic Initiative

- Support integration of related processes and support tools
- Support implementation of an automated library management system



Enterprise CM Strategy - CM Training

- Build a larger resource base with the proper skill mix to ensure that lifecycle activities include:
 - Input from CM personnel where required (ISP, SOW/CDRL/DID)
 - Required CM activities are performed (conduct reviews/audits, establish baselines, meet ISR requirements).
- Conduct training for organization resources and provide for audience-based CM training for the Agency



Enterprise CM Strategy - Communication

- Communication and promotion of CM through website, training, outreach, workshops, teleconferences and other collaborative efforts

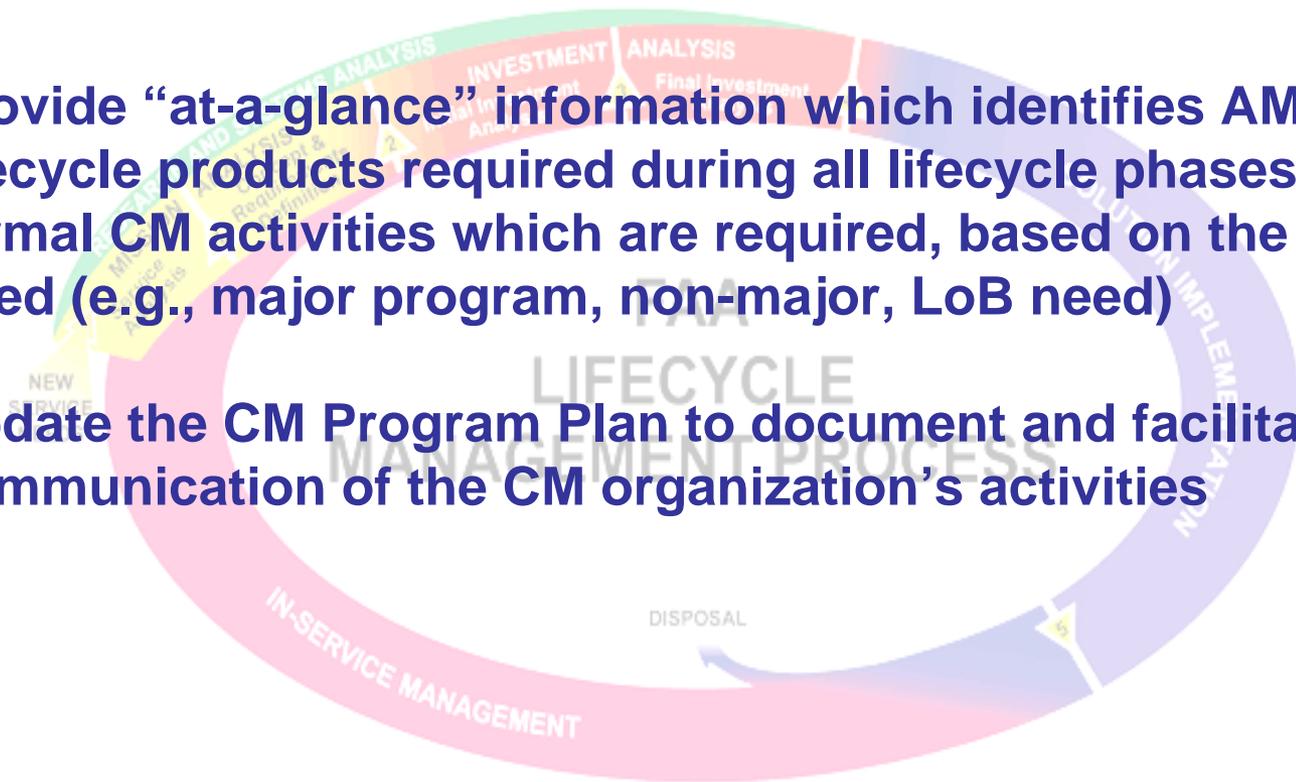


Enterprise CM Objectives

- Communicate Agency governance structure and identify key CM roles
- Capture and record the operational NAS and Non-NAS IT assets and investments
- Increase awareness of the CM role throughout the AMS lifecycle and identify where the ECM organization can facilitate consistent application of CM and related quality
 - (e.g., provide planning support (during ISP development) and procurement guidance, participate in ISRs and/or review ISR inputs prior to In-Service Decision, participate in service organization or line of business CCB meetings and audit activities)

Enterprise CM Objectives *(continued)*

- Provide “at-a-glance” information which identifies AMS lifecycle products required during all lifecycle phases and the formal CM activities which are required, based on the level of need (e.g., major program, non-major, LoB need)
- Update the CM Program Plan to document and facilitate communication of the CM organization’s activities



Enterprise CM Objectives *(continued)*

- Monitor and provide oversight for the application of CM across the enterprise
- Enable technology to support the application of robust, repeatable CM practices and processes throughout the enterprise
- Identify key stakeholders and establish an executive team (*Executive CM Board*) to obtain support, provide guidance and serve as a communication platform for key CM initiatives



Enterprise CM Objectives *(continued)*

- Improve interface management in the FAA through coordination with Systems Engineering and AIO
- Identify and implement process improvements for quality management practices and implement within CM activities and processes *(e.g., iCMM or ISO)*
- Expand Outreach Program to serve the entire Agency



Enterprise CM Objectives *(continued)*

- Integrate the MCI and the architecture
- Provide a skilled CM workforce through training and new hires (FTEs)
- Ensure that Agency assets and investments under CM are fully traceable from JRC or other investment review board/executive management decisions to the FAA Enterprise Architecture and to CM baselines

