

AMS/FAST CHANGE REQUEST (CR) COVERSHEET

Change Request Number: 22-100

Date Received: June 24, 2022

Title: AMS Policy 4.12 National Airspace System Management System

Initiator Name: Cassandra James and Kelsey Sydney

Initiator Organization Name / Routing Code: AJI-311 Policy and AJI-314 Safety Management

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Policy and Guidance: (Please check only one box)

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|---|--|
| ☒ Policy | ☐ Procurement Tools and Resources |
| ☐ Guidance | ☐ Real Property Templates and Samples |
| ☐ Procurement Samples | ☐ Procurement Clauses |
| ☐ Procurement Templates | ☐ Real Property Clauses |
| ☐ Procurement Forms | ☐ Other Tools and Resources |
| ☐ Procurement Checklists | |

Summary of Change: Rewrite of AMS Policy Section 4.12, Safety Management System.

Reason for Change:

Policy was inaccurate - AJI worked with AOV and AJM to rewrite the policy.

Development, Review, and Concurrence:

AJI-311 Policy and AJI-314 Safety Management teams worked with AJM and its acquisition workgroup and vetted the final draft with AOV. All comments were adjudicated, and all parties concurred with the final language, attached.

Target Audience:

Program Offices that will conduct Safety Risk Management on new acquisitions or modifications to existing NAS systems.

Briefing Planned: No.

ASAG Responsibilities: Electronic review and approval. Due on July 8.

Section / Text Location:

Lifecycle Management Functions & Disciplines, AMS Policy Section 4.12 - National Airspace System Safety Management System Revised 1/2012

The redline version must be a comparison with the current published FAST version.

☒ I confirm I used the latest published version to create this change / redline

or

☐ This is new content

Links:

https://fast.faa.gov/docs/acquisitionManagementPolicy/AcquisitionManagementPolicy_4.pdf

Attachments: Redline and final documents.

Other Files: N/A.

Redline(s):

Section Revised: 4.12 – National Airspace System Safety Management System

Acquisition Management Policy - (9/202210/2022)

[4.12 National Airspace System Safety Management System](#) Revised 1/2012

4.12 National Airspace System Safety Management System **Revised 1/2012** 10/2022

~~When~~A new capital ~~investments are determined to have an effect on~~investment that may affect the ~~safety operation~~ of the National Airspace System; (NAS) must have a plan for system safety management must be conducted and documented that includes system development assurance throughout the lifecycle of ~~at~~the product or service in accordance with the current version of the FAA Safety Management System (SMS). The ~~safety management system~~SMS requires ~~use of~~that all new and modified system acquisition programs within the NAS adhere to safety policy, apply safety risk management to identify safety risks ~~to the National Airspace System~~, promote a positive safety culture, which includes training and to conduct product development at a rigor commensurate with the severity of the resultant hazard should that product experience failure. For software-intense systems, the establishment of a development assurance program in accordance with RTCA Document (DO) 278A, Software Integrity Assurance Considerations for Communication, Navigation, Surveillance lessons learned, and Air Traffic Management Systems, RTCA, Inc., is one acceptable means to demonstrate that a software product was developed at the appropriate level or rigor.monitor any hazards to ensure the risk is mitigated accordingly.

~~Critical safety issues identified during service analysis are further addressed in: (1) an operational safety assessment; (2) a system safety assessment of alternative solutions to mission need reported in the business case; and (3) when service organizations provide program-specific safety risk management planning in the implementation strategy and planning document.~~

~~Each~~The program or service organization ~~involved in acquisition management must institute a system safety program that includes at a minimum: hazard identification, hazard classification (severity of consequences and likelihood of occurrence), measures to mitigate hazards or reduce risk to an acceptable level, verification that mitigation measures are incorporated into product design and implementation, and assessment of residual risk. Status of~~provide system safety must be presented at details in program planning documents, such as the Implementation Strategy and Planning Document or equivalent; any NAS systems that require safety assessments/analyses (i.e., operational, comparative, system, etc.) must be reviewed prior to all decision points and investment reviews.

Detailed ~~guidelines~~policy for conducting safety risk management ~~are found~~and safety assurance is located in ~~FAST, the applicable~~ FAA SMS manual, SRMGSA, and RTCA DO-278A LOB SMS manuals and the Safety Risk Management Guidance for System Acquisitions.
