

# AJW-146

# ASR-9/RDAS

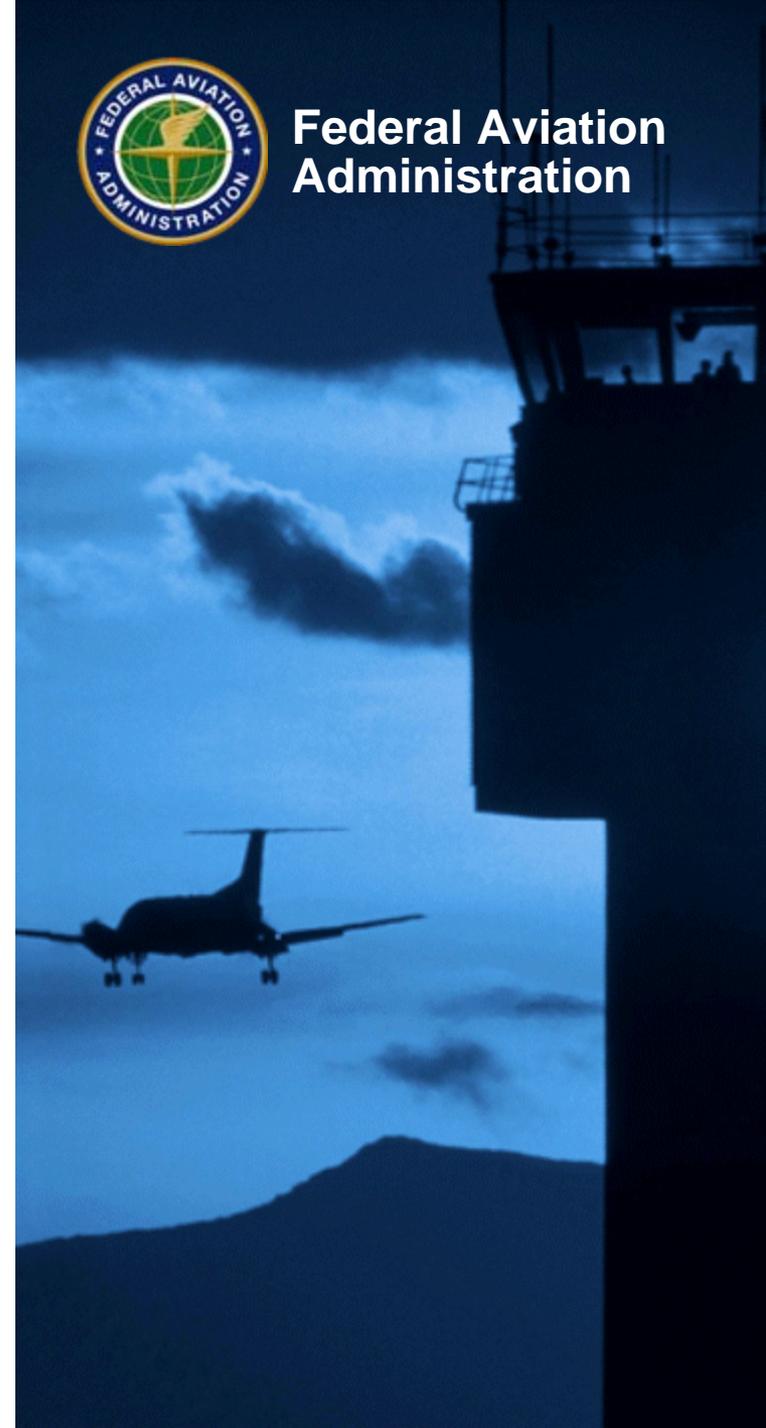
**Presented to: National CM Workshop**

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**Federal Aviation  
Administration**



# ASR-9

- **Airport Surveillance Radar Model 9 (ASR-9)**
  - The ASR-9 is the first FAA radar to use MTD (moving target detector) technology. MTD shows a vast increase performance over the then current MTI (moving target indicator) technology.
  - To date, 130 systems have been installed and commissioned and they are being used to control aircraft.
  - ASR-9s are currently in operation in Poland, Taiwan, Belgium, India, and other locations.



# RDAS

- **Radar Data Analysis System (RDAS)**
  - Windows Track Analysis Program (WinTap)
  - Enroute Radar Intelligent Tool (ERIT)
  - Radar Recorder (RREC)
  - Plot Airport Surveillance Radar (PlotASR)
  - Plot Common Digitizer (PlotCD)
  - Computer Radar Interface Box (CRIB)
  - ASR-9 Serial Interface System (ASIS) Standalone



# Our Mission

- **Provide second level engineering support**
- **Serve as the Office of Primary Responsibility (OPR) for assigned commissioned National Airspace System (NAS) systems**
- **Our services support the safety mission within the FAA Administrator's Strategic Plans and Goals**



# Field Support

- **Provide technical assistance in the solution of site unique and/or national system problems**
  - Telephone Help Desk
  - Onsite Services



# Engineering Modifications

- **Prepare and deploy in-service improvements to field facilities**
- **Design, develop, test and acquisition hardware modifications for commissioned NAS facilities and systems**
- **Stock initial modification spares in the logistic supply service system**



# Software Updates and Releases

- **Maintain the NAS system's software baselines**
- **Design, develop, test and deliver computer program improvements and corrections in support of operational, functional, diagnostic and various support automated programs**



# Engineering Support

- **Participate, as required, with in-service or deployment readiness review of new systems**
- **Direct the development and accomplishment of operational testing and evaluation for assigned equipment, software, and systems**
- **Radar Optimizations**



# Documentation Support

- **Publish and issue the ASR-9 Maintenance Technical Handbooks (MTHK) 6310.19**
- **Update and issue the Technical Instruction Books (TIB) 6310.24 – 6310.39, 6310.42 for the NAS Master Directory (MD) Configuration Management documents**



# Documentation Support (cont'd)

- **Publish and issue the System Support Directives (SSD) including the System Support Modifications (SSM), System Technical Releases (STR) and System Documentation Releases (SDR)**
- **Publish and issue other FAA Directives such as Notices**



# Configuration Management

- **ASR-9/RDAS Configuration Control Board (CCB)**
  - Reviews and assigns PTRs/HDRs
  - Baselines ASR-9/RDAS Documents
- **WebCM**
  - Participate in testing WebCM Enhancement Releases
- **Enterprise CM & WJHTC Community meetings participant**



# Safety Risk Management

- **SRM Panel**
  - Reviews, assesses and mitigates all credible and non-credible risks and identifies possible hazards
- **ATO Safety Management Safety (SMS) Summit participant**



# FY-08 Accomplishments

- **Development and implementation of the SSD Engineering Process**
- **359 Technical Assistance Calls**
- **14 Onsite Visits**
- **16 Site Restorations**
- **10 SSDs released and/or signed**





[http://nas.amc.faa.gov/index.jsp/](http://nas.amc.faa.gov/index.jsp)  
<https://asoatotw1.faa.gov/atow-awa-technical-operations>  
[www.ato.faa.gov](http://www.ato.faa.gov)

