

PASS Article 13 / SME Program Report

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Program Name: SBS (ADS-B); NEXGEN

Program Contact/s:

David Gray, SBS Program Manager; david.e.gray@faa.gov; 202-267-0513

Andy Leone, Systems Engineering Lead; Andrew.leone@faa.gov; 609-485-5578

Devlan Maxwell, Implementation Lead; Devlan.maxwell@faa.gov; 405-412-4973

Andrew Shutt, Operations and Maintenance Lead; Andrew.c.shutt@faa.gov; 609-485-5578

Current Program Status:

- 3yr, 9 months left for Aircraft to be equipped for ADS-B out.
- Promotion of ADS-B to preferred sensor at ARTCCs: 4 sites enabled, 8 sites projected for FY 2016.
- ADS-B enabled (ADS-B only) at TRACONS: 56 sites completed.
- Creating a Wide Area Multilateration (WAM) in Charlotte, NC

Currently, my focus has been working with AJI and the AJW to develop two courses. The primary course being developed is an overview of the SBS system. A contractor for the Program Office had initially developed a fundamental training for MEARTs referred to as ADS-B 101. That material is being developed by Infinia, LTD into a computer based course in ELMS. That course will be referred to as SBS Fundamentals and will be a pre-requisite for all SBS related training. That course should be ready by the end of FY-2016.

At the same time, I am assisting in reviewing and updating the training material for the Instructor lead Automatic Dependent Surveillance–Broadcast for En-Route Automation System and En-Route Automation System (ADS-B for EAS). That course should be ready the 2nd quarter of FY 2017. The initial on-site training conducted at the En-Route Centers was determined to be not adequate. The intent is to provide updated training for all NAS/NOMs that have certification authority for Automated Dependent Surveillance Service (ADSS) for EAS. It has yet to be determined if that will be field conducted training or resident training at the MMAC Academy. A bypass exam will be available.

Coordination of maintenance activities by Harris for Ground Based Transmitters (GBTs), also referred to as “Radio Stations” and Automated Delivery Point Rack (ADPR) also known as a service delivery point has been very confusing. Presently, NEO is in the process of creating an SBS Enterprise Control Desk (ECD) at the Enterprise Control Center for SBS. The SBS ECC will be the focal point for coordination and monitoring of the SBS system. NEO is in the process of transferring the monitor and control of VORs to the SOCs in order to shift personnel to the ECD.

The program office has created an AIMS account for SBS issues that cannot be immediately resolved and require second level support. AT this time, it has not been determined who will be the focal point to create an AIMS ticket for SBS. I would anticipate that function will be assigned to the NEO's SBS Enterprise Control Desk.

Issues Affecting PASS:

- Developing/ updating Training
- Coordination of Ground Based Transmitter (GBTS) and Automation Delivery Point Rack (ADPR) outages between Harris NOCC and OCCs
- The ADPR facilities are not listed in the FSEP and NAPRs Desk Guides.
 - The Program office is in the process of making the FSEP entries.
- Implementing Enterprise Control Center for SBS (NEO)

Program Issues:

- Gulf of Mexico Expansion- adding 3 more Radio Stations in Mexico
- Ground Interval Management- Spacing (GIM-S) deployment at ARTCCs
- Reduced Oceanic Separation (ROS)
- Moving SBS communication to private network (AT&T): 99% complete
- Terminal Separation Services
- SBS Fundamental Course development

Identify Support Needs:

Links:

ADS-B overview: http://www.faa.gov/nextgen/update/progress_and_plans/adsb/

SBS KSN site: <https://ksn2.faa.gov/ajm/AJM-232/Pages/Default.aspx>

Tony Tix, Seattle Center SOC, 253-351-3321