

July 31, 2019

PASS Liaison / Representative Update

Date of Update: 07-31-19

Program Name: ERAM System Enhancements/Technical Refresh (SE/TR)

Program Contact/s: James Benjamin (ERAM Program Manager), Peter Hawkins (ERAM Implementation Manager), and Denise DeLozier (ERAM Implementation Engineer).

Current Program Status:

ERAM Tech Refresh 2:

This report is a continuation of the previous report dated 04-30-19. As mentioned in the previous report, the TR2 early D deployment is completed. In addition, the previous report listed the TR2 schedule deployment for the Key sites ZFW, ZOB, and ZMP. The Key site schedule has changed again because of the ERAM Program office waiting for the results of the Safety Risk Management (SRM) assessment of the operational risk of removing EBUS as a back-up system to ERAM (SEE ERAM Stability/Backup). Below is the new TR2 Key site schedule.

- ZFW: Phase one (TTL) July 29, 2019
Phase two OPS Oct 14, 2019 (Two Sectors per Area)
Phase three OPS Jan 13, 2020 (Full)
- ZMP: Phase one (TTL) Aug 19, 2019
Phase two OPS Oct 21, 2019 (Two Sectors per Area)
Phase three OPS Jan 20, 2020 (Full)
- ZOB: Phase one (TTL) Aug 19, 2019
Phase two OPS Oct 28, 2019 (Two Sectors per Area)
Phase three OPS Jan 20, 2020 (Full)

As of this report date, there are no significant issues with ZFW Phase 1 implementation. In addition, ADP OPS evaluation planned for June 10 through June 14, 2019 was completed with no noteworthy issues. As mentioned from the previous report, the purpose of ADP is to lessen the risk of R-position display (RDP) software application failure while operating on the new Linux processors. ADP involves using and maintaining the current AIX processors through the transition. ADP will operate on software release EAE210 and will be used by the three (3) Key sites only.

ERAM Enhancement, ERAM Radar Handoff to NAV Canada:

First look at the training material for ERAM Radar Handoff to NAV Canada will be held at the Tech Center 9/30/10 through 10/04/19. Event: ERAM Software EAE400 Tech Ops (TO) Task and Skill Analysis (TASA) and Course Development Guide (CDG) Review.

ERAM Training:

Updates:

OKC training management and AJI management are planning to survey the training needs for ERAM while the FAA Academy upgrades ERAM hardware and software this coming October 2019, discussions continue. Leidos is currently working on the ERAM System Management Course, and ERAM System Maintenance course upgrades for the FAA Academy.

AJI, Philip Mann, has kicked off the OJT/PE for ERAM TR2. Woodrow Stalter (ZLA), Melissa McMahon (ZBW), Jamil, Teasley (ZFW), and Benjamin Rule (ZBW) will be developing the OJT/PE packages for ERAM TR2.

ERAM Stability/Backup:

As outlined from the preceding report, EBUS will no longer be supported because ERAM TR2 Full Deployment will deploy new technology. The Safety Risk Management (SRM) panels convened to assess the operational risk associated with removing EBUS as a back-up system to ERAM. The analysis from the panel can be read from the En Route Automation Modernization: Enhanced Back-Up Surveillance System Removal Safety Risk Management Document (SRMD) version 1.1, dated July 15, 2019.

Ongoing Program Status:

An initial TR2 Full deployment waterfall schedule was developed for Key-Sites: ZFW, ZMP, and ZOB as noted on page 1. Further scheduling with site four (ZLC) and five (ZAB) and the other sites is contingent on an In-Service-Decision (ISD).

The Risk to ERAM Program:

From the Tech Refresh 2 RIO Package: Due to the government shutdown (12/21/18) and the subsequent delay to the post-ISD waterfall deployment schedule, the installation will not complete by the last site APB milestone (09/2020). Since there is very little slack in the schedule, the likelihood of this risk is elevated to a more than moderate level and must be managed and monitored closely through to the last site IOC. Since the impact of this event would be critical, missed APB milestone, the impact of the Program would be significant.

Program Issues: (Ongoing)

Identify Support Needs:

Refresher Training. AJI Management continues discussions on funding.