

May 31, 2020

PASS Liaison / Representative Update

Date of Update: 05-31-20

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:

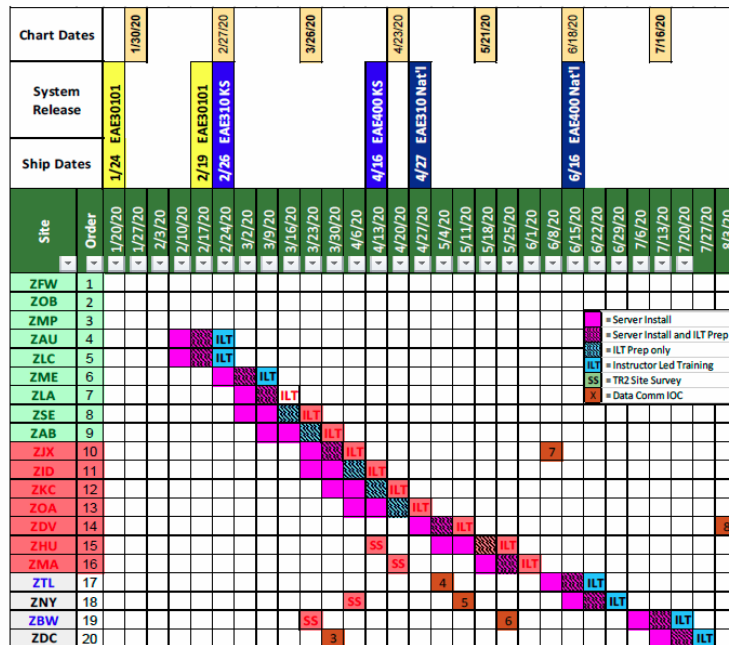
ERAM Tech Refresh 2:

This report will provide an update on ERAM Technical Refresh for the first quarter of the year 2020. During the first quarter of this year, ERAM Sustainment 2 (ES2) activities were postponed because of COVID-19. The following are highlights of the status of these activities as of today:

1. Because of new travel restrictions and guidelines for safety and health concerns with the Coronavirus, Management is reviewing travel and current Activities.
2. FAA activities are currently focused on NAS mission-critical items.
3. Tech Center planned test activities are postponed indefinitely, so testing supports the critical operational issues that occur in the field.
4. Key Site activities postponed.
5. ERAM TR2 full site surveys activities postponed:
 - ZBW, planned for the week of March 23
 - ZNY scheduled for the week of April 6
 - ZHU planned for the week of April 13
 - ZMA planned for the week of April 20
6. Tech Ops User Team meeting was planned for April 1–2. To facilitate the postponement, The Team designed and scheduled an ERAM ES3 Demo and Briefings Update via Virtual ZOOM on April 14.
7. ERAM Supplemental Servers have been installed through Site 9 (ZAB) before the postponement. See Figure 1.0.

ES2 (TR2) Server Deployment Waterfall

Green = complete / BLUE = confirmed / RED = postponed / Sites 18, 20 = unconfirmed



NOTE: Avoids conflict with Data Comm, Nav Canada, TFMS TR, Airspace redesigns

Figure 1.0

- **Pre-requisite:**
 - Install EAE2100g SW with Server Adaptation
 - Install EAE3005n SW prior to SDP application transfer
- **Installation:**
 - Install TTL & Ops Servers, I&T (SSM-ERAM-328)
 - Enable the ECG Ops LAN Switch (STR-ECG-061)
- **Training:**
 - Tech Ops Instructor Led Training
 - OJT/PE (pre-req for applications transfer)
- **Implementation:**
 - 1st SSM, transfer CPP (legacy server) applications to CPRP (new server)
 - 2nd SSM, transfer SDP (legacy server) applications to SDRP (new server)
- **Decommission:**
 - Remove CPP and SDP HW send to Depot to mitigate Risk 212

ERAM Enhancement, ERAM Radar Handoff to NAV Canada:

The following is an update to EAE400/410 – NAV CANADA Deployment:

- Provides changes to communication interface between ARTCCs and NAV CANADA in preparation for Controller enhancements in EAE200 (Fall 2021)
- Interface changes complete and tested. The software in EAE400, initially scheduled for April 2020, would have changed data flow between the US and Canada
- EAE400 to merge into EAE410 and deliver in fall 2020
- Low risk to NAS; APB Milestone was missed. Resumption will require coordination with NAV CANADA to reschedule
- Changes are via SSM, site Tech Ops only. No AT Impact.

ERAM Training:

The following are excerpts from the NAV Canada First Course Conduct (FCC) courses for Tech Ops personnel:

Because of the travel restrictions associated with COVID-19, a plan was developed and implemented in conjunction with AJI and PASS for the student evaluators to take the course on-line and document their times, comments, and end of course critiques.

The First Course Conduct (FCC) for FAA45550003 and FAA45550004, Managing Non-US ACC Interfaces at Border ARTCCs and Managing Non-US ACC Interfaces at the NAP respectively, was conducted with NAS/NOMs from the Salt Lake (ZLC) ARTCC, from April 24 – May 5, 2020. These FCCs utilized six student evaluators. The student evaluators provided feedback using written comment forms and evaluation forms, as well as verbal feedback resulting from the end of course debrief, telcons, and end of course critiques.

Based on the results of these assessments, the FAA45550003, Managing Non-US ACC Interfaces at Border ARTCCs, and FAA45550004, Managing Non-US ACC Interfaces at the NAP FCCs were deemed successful.

ERAM Stability/Backup: No additional update from the last report dated 12/31/19.

Program Issues:

The Program Office is anticipating that ARTCC priorities for Training and Maintenance will prevent the restart of Tech Refresh activities once COVID- 19 travel restrictions are lifted. While the Program Office will be prepared to immediately begin key site activities for TR2 and the Supplemental Server Installation deployment, these activities will likely be on hold until facilities are “caught up” on their priorities.

The Risk to ERAM Program:

The following is an excerpt from the ERAM program office: The probability that we will be unable to resume Sustainment 2 Full Deployment at the key sites on time is becoming likely and will significantly increase the sustainment risk for critical NAS components supply. Program Office, SLE, and Leidos have initiated planning on new mitigations to continue sustainment while ES2 completes deployment.

Program Status:

ERAM TR2 deployment is postponed until further advised (UFA).

Identify Support Needs: None