

EnRoute Integration and Interoperability Facility Fiscal Year 2018 Projects

En Route Training Voice Communication Tool (ETVCT) - Ongoing

Purpose: The En Route Training Voice Communication Tool is a voice communications tool that EIIIF staff developed to support training operations in the Dynamic Simulation (DYSIM) facility and subsequently in the En Route Automation Modernization (ERAM) Test and Training Laboratory (TTL) at the FAA Air Route Traffic Control Centers (ARTCCs). The IIF organization provides second level support to the ARTCCs for this system.

Sponsor Name and Organization: AJM-25

Technical Partners: n/a

EIIIF Project Lead: Steve Souder

EIIIF resources used: ETVCT development lab, EIIIF ERAM Lab

Project Dates:

- Support – ongoing
- SSM-ETVCT-014 installation and testing –September 2018

ERAM Operational Evaluations - Ongoing

Purpose: ERAM releases must be validated for operational suitability prior to installation at the 20 Air Route Traffic Control Centers (ARTCCs). Additionally, ATO-E personnel perform regression testing and verification of operational problems. The EIIIF ERAM Lab is used for the Operational Evaluation of each ERAM release. The ERAM Operational Evaluation Team is a part of the En Route Operational Systems and Second Level Engineering Group. The team's activities are typically conducted with participants from field sites.

Sponsor Name and Organization: Gina Oliver/Rich Dolka, AJM-25

Technical Partners: n/a

EIIIF Project Lead: Steve Bakanas

EIIIF resources used: EIIIF ERAM Lab

Project Dates:

- Support – ongoing

ERAM Radar Position Technology Refresh Support – March 2018 -

Purpose: EIIIF provides laboratory support for testing of the ERAM Radar Position Display and Processor Technology Refresh program. ATO-E personnel perform regression testing and verification of ERAM releases on the new Radar Position Display and Processor.

Sponsor Name and Organization: Gina Oliver/Rich Dolka, AJM-25

Technical Partners: n/a

EIF Project Lead: Steve Bakanas

EIF resources used: EIF ERAM Lab and Training Room

Project Dates:

- Installation of TR hardware – March 2018
- Testing – ongoing

ERAM Data Communications (DataComm) Simulation Development Training Support - ongoing

Purpose: EIF provides laboratory and training room support for DataComm Simulation Development Training to be conducted through 2017-2018. Training personnel from all 20 ARTCCs will attend this training to learn how to incorporate DataComm functions into their training scenarios.

Sponsor Name and Organization: Daniel Kokotkiewicz, AJM-212

Technical Partners: n/a

EIF Project Lead: Steve Bakanas

EIF resources used: EIF ERAM Lab and Training Room

Project Dates:

- Support – ongoing

ERAM Data Communications (DataComm) Technical Operations Training Support - ongoing

Purpose: EIF provides laboratory and training room support for DataComm Tech Ops Training to be conducted through 2017-2018. Tech Ops personnel from all 20 ARTCCs will attend this training to learn how to maintain DataComm equipment at their sites.

Sponsor Name and Organization: Daniel Kokotkiewicz, AJM-212

Technical Partners: n/a

EIF Project Lead: Steve Bakanas

EIF resources used: EIF ERAM Lab and Training Room

Project Dates:

- Support – ongoing

ERAM Data Position Technical Refresh Maintenance Training Support – November 2017 – February 2018

Purpose: EIIF provided laboratory and training room support for ERAM Data Position Technical Refresh Maintenance Training. Second Level Engineering personnel attended this training to learn how to support the Data Position processors.

Sponsor Name and Organization: Amy Murray, AJM-25

Technical Partners: n/a

EIIF Project Lead: Steve Bakanas

EIIF resources used: EIIF ERAM Lab and Training Room

Project Dates:

- Modified support equipment – November 2017
- Supported classes – December 2017, February 2018

Track Based Display Management Study – September 2017 – February 2018

Purpose: This study for the Surveillance Broadcast Service program office examined the target tracking capabilities of ERAM with Radar and Automatic Dependant Surveillance- Broadcast (ADS-B) data input. The IIF team provided support for test bed configuration, simulation scenario development, lab operations, and data reduction.

Sponsor Name and Organization: Andy Leone, Surveillance Broadcast Services Test, ANG-E55

Technical Partners: n/a

EIIF Project Lead: Steve Bakanas

EIIF resources used: EIIF ERAM Lab

Project Dates:

- September 2017 - February 2018

Laboratory Monitor and Control System (LabMACS) - Ongoing

Purpose: LabMACS is an EIIF in-house development project that will streamline ERAM Test Bed Operations. This includes start up and shutdown as well as real time monitoring of lab assets.

Sponsor Name and Organization: n/a

Technical Partners: n/a

EIIF Project Lead: Steve Bakanas

EIIF resources used: EIIF ERAM Lab

Project Dates:

- Development and Support - ongoing