

## AWIPSII Local Application Migration Roles and Responsibilities

### **I. Introduction**

To enable AWIPSI to better meet operational needs, sites have supplemented baseline AWIPSI functionality with over 3,000 local applications. These applications must not be allowed to delay AWIPSII deployment. As Raytheon ports baseline AWIPSI applications to AWIPSII, critical local application functionality must also be migrated. This document lists the roles and responsibilities of those involved in the local application migration effort.

For the purposes of the AWIPSII migration, local applications have been defined as the programs, scripts, overrides, and customizations that are not part of the AWIPSI baseline but support baseline software such as D2D, GFE, NWSRFS and WHFS/IHFS Database.

This is a government led activity, since the migration of local applications is not a Raytheon responsibility under the current contract.

### **II. Roles and Responsibilities**

The timeline for local application migration activities is specified in the Local Application Migration Roadmap posted on the AWIPS Evolution web site. In general, the following activities will be performed as part of the Local Application Migration plan:

- OST provides Migration Planning Template – March 2008,
- Regions identify National Core Local Application Development Team members – March 2008,
- National Core Local Application Development Team members participate in Technical Interchange Meetings with Raytheon developers (travel required) – June 2008,
- Regions complete Regional Local Application Migration Plans - September 2008,
- Local applications migrated for pre-OT&E test sites - June 2009,
- Local applications migrated for OT&E test sites - September 2009,
- Local applications migrated at all sites - Depends upon AWIPS II deployment schedule.

The roles and responsibilities of the parties involved in the local application migration are specified as follows:

Office of Science and Technology (OST) Director will retain overall responsibility of the AWIPSII project.

Regional and NCEP Directors will retain overall responsibility for Local Application migration.

AWIPS II Project Lead will

- Be responsible for the coordination of the Local Application Migration Plans,
- Integrate the local application migration schedule with the overall AWIPS II project schedule,
- Identify critical paths on the local application migration schedule,

- Assist regions and focal points with migration planning,
- Provide inputs into the Governance Model as they apply to local application migration,
- Provide local application migration status to the AWIPS Evolution Leadership Committee (AELC),
- Be the primary Point of Contact with Raytheon for the Local Application Migration effort.

National Core Local Application Development Team (NCLADT) will be responsible for writing, testing, and maintaining local application infrastructure code (javascript libraries and code snippets), with the goal of reducing programming errors and code duplication among migration programmers. They will

- Work with the Regional Focal Points to ensure that the necessary javascript extensions exist to support local app migration,
- Document development guidelines local applications must follow,
- Review local application development to ensure it follows documented guidelines,
- Maintain a repository of recommended utilities and relevant sample code,
- Post and make available this local application infrastructure code, with guidelines as to how and when it should be used.
- Advise the NWS Training Division on training and training sources needed for application developers to attain needed skills for software migration.

MICs/HICs and National Centers' Directors will

- Ensure programmers assigned to the NCLADT will have the time to work on team activities,
- Work with Regional Focal Points and NCEP Focal Point to pair a programmer to each application,
- Ensure programmers who are assigned local application migration tasks have the time and training to complete their tasks,
- Certify that all critical legacy AWIPS Local Applications have been successfully addressed prior to AWIPSII site installation, and that any migrated code conforms to NCLADT guidelines.

OCIO/AWIPS NCF will

- Host and support use of a tool to facilitate regional collaboration for local application migration.
  - Help the NCLADT, the Migration Task Lead, and the Regional Focal Points develop a centralized local application repository
  - Work with the NCLADT, the Regional Focal Points, and the AWIPSII project and migration task leads to support the local app repository
- Ensure secure remote access for local app developers, the NCLADT, the Regional Focal Points, the AWIPSII project and migration task leads, and Raytheon to the local application repository and collaboration site

Local Application Migration Task Lead (SEC) will

- Help the migration teams develop detailed migration plans
- Provide a recommended Local Application development environment configuration,
- Collaborate with the Regional Focal Points, the NCLADT, and the AWIPSII project lead to ensure that the necessary javascript extensions exist to support local app migration,
- Provide local application migration plan and status reporting templates,
- Maintain a tool to facilitate regional collaboration for local application migration,
- Provide technical support to the NCLADT and other programmers via the awips2dev listserver regarding the AWIPSII infrastructure.

Regional Focal Points and NCEP Focal Point will manage the migration of Local Applications in use within their Region and the National Centers. They will

- Select a group of programmers to form the NCLADT,
- Develop a local application migration plan which is consistent with the overall project schedule. The plan will
  - Identify a developer for each local application, and pay special attention to
    - orphaned applications,
    - large applications,
    - the programs of developers who have written many applications,
  - Identify the training needed by those developers to ensure they can complete their tasks (recommendations on training sources will be provided by NWSTD and SEC and distributed by Regional Focal Points and NCEP Focal Point),
  - Arrange the order in which local applications will be migrated or interfaced.
- Provide a written monthly report that details the progress of the migration effort in terms of
  - resource constraints encountered,
  - % of applications migrated,The reports will be used to keep AWIPS, OST, and other senior management informed,
- Provide technical feedback to the Local Application Migration Lead and the NCLADT on issues such as the capabilities of the AWIPS Development Environment (ADE) and its scripting language,
- Work with the NCLADT and the Local Application Migration Lead to assign responsibility for applications that are used by more than one Region.

OCWWS/NWSTD will provide web-based ADE and ADE foundational training, including

- Links to relevant Javascript, Java, Mule, XML and Eclipse web pages,
- Design and deliver AWIPSII-specific web-based training.