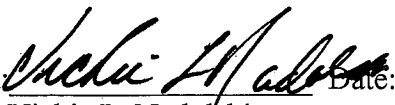


AWIPS II Local Application Migration
Roles and Responsibilities

Prepared by
AWIPS II Local Application Migration
Integrated Work Team

Approved

 Date: 4/29/08

Vickie L. Nadolski
Deputy Assistant Administrator
for Weather Services

AWIPS II Local Application Migration Roles and Responsibilities

I. Introduction

To enable Advanced Weather Interactive Processing System I (AWIPS I) to better meet operational needs, sites have supplemented baseline AWIPS I functionality with over 3,000 local applications. These applications must not be allowed to delay AWIPS II deployment. As Raytheon ports baseline AWIPS I applications to AWIPS II, 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 AWIPS II migration, local applications have been defined as the programs, scripts, overrides, and customizations that are not part of the AWIPS I 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 are major milestones of the Local Application Migration plan:

- Office of Science & Technology (OS&T) provides Migration Planning Template - Completed,
- Regions identify National Core Local Application Development Team (NCLADT) members - Completed,
- NCLADT 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:

- OS&T Director will retain overall responsibility of the AWIPS II project.
- Regional and National Centers for Environmental Prediction (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,
- Be the primary point of contact with Raytheon for the Local Application Migration effort.

The 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 and NCEP focal point to ensure that the necessary Javascript extensions exist to support local application 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.

Meteorologists in Charge, Hydrologists in Charge, and National Centers' Directors will:

- Ensure programmers assigned to the NCLADT 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 AWIPS II site installation, and that any migrated code conforms to NCLADT guidelines.

Office of the Chief Information Officer will:

- Host and support use of a tool to facilitate regional collaboration for local application migration,
 - Help the NCLADT, Migration Task Lead, regional focal points, and NCEP focal point develop a centralized local application repository,
 - Work with the NCLADT, regional focal points, NCEP focal point, and AWIPS II project and migration task leads to support the local application repository
- Ensure secure remote access for local application developers, NCLADT, regional focal points, NCEP focal point, AWIPS II project and migration task leads, and Raytheon to the local application repository and collaboration site.

Local Application Migration Task Lead (OS&T) will:

- Help the migration teams develop detailed migration plans,
- Provide a recommended Local Application development environment configuration,

- Collaborate with the regional focal points, NCEP focal point, NCLADT, and AWIPS II project lead to ensure the necessary Javascript extensions exist to support local application 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 AWIPS II 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 National Weather Service Training Division (NWSTD) and OS&T and distributed by regional and NCEP focal points.),
 - Arrange the order in which local applications will be migrated or interfaced.
- Provide a written monthly report detailing the progress of the migration effort in terms of
 - resource constraints encountered,
 - percentage 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 used by more than one Region.

Office of Climate, Water, and Weather Services/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 AWIPS II-specific web-based training.