# FY14 MAW Phone Application – Compilation and Installation

## Introduction

The purpose of this document is to provide instructions for compilation and installation of the MAW phone app code delivered to FHWA in February 2014. Installation requires experience with android development, and assumes the use of the Eclipse IDE.

## Source Code Bundle

Source code for the MAW phone app is bundled in a file named “MAW\_Phone\_FY14\_src.tgz”. The files it contains must be compiled with the Eclipse IDE and installed on an android device or emulator.

## Services Layer

In order to provide the MAW phone app with data, the service layer must be installed and available on the web. This is provided as part of the VDT. Please install according to the instructions.

## Deploying the Application

The MAW phone app is a java application that must be compiled before installation on your android device. Follow the steps below to compile the application with the Eclipse IDE and install on your device.

## Compilation

1. cd ~/
2. mkdir MAW
3. cd MAW
4. tar –zxvf MAW\_Phone\_FY14\_src.tgz
5. Start Eclipse IDE
6. From the Eclipse menus, select File🡪New🡪Other…
7. Select “Android Project from Existing Source” and click the “Next” button
8. Under “Root Directory” browse to ~/MAW and click the “Open” button
9. Click the “Finish” button
10. From the menus, select Run🡪Run
11. The resulting app file at ~/EclipseWorkspace/MAW/bin/MAW.apk can be installed on your device

## Installation

1. Place the MAW.apk file built in the above “Compilation” section on a web server where it’s accessible to your device’s web browser.
2. Open Chrome and enter the URL of the file in the address bar.
3. Chrome will prompt you to download the file.
4. After download is complete, click on the file to begin the installation process. If the file will not install, try the following:
5. Go to Settings 🡪 Applications 🡪 Personal 🡪 Security and check “Allow Unknown Sources”
6. Alternatively, connect your device to the build computer and select Run🡪Run again in Eclipse. A dialog will prompt you for the device you would like to use to run the app. Select your device and Eclipse will install the MAW phone app and start it on your device.