

National Weather Service  
Product Description Document (PDD)  
Experimental Product  
September, 2013  
**Southern Region Mapping API Widget/Smartphone  
Web Page**

**Part 1 - Mission Connection**

**1. Service Description:**

*This tool is meant to help developers and offices across the region to take advantage of the addition of a standardized, advanced mapping interface to new or existing web pages in order to display GIS information with very little development or implementation effort.*

*This tool has the additional benefit of working well in a wide range of smartphones currently in use. This would, for the first time, bring advanced mapping interfaces directly to the mobile web browsers of the NWS's customers.*

**2. Purpose/Intended Use:**

*A frequent complaint from our partners is the lack of consistency from page to page across the NWS's web presence. This tool would bring a consistent look and functionality of mapping interfaces to web pages across the agency, while still allowing the important ability to allow for customized layers/data that our offices need to serve the specialized needs of our diverse customer base.*

**3. Audience:**

*Because of the customization options of this tool and its ability to show any combination of geospatial data, the audience base is wide: ranging from the general public to our core customers.*

**4. Presentation Format:**

*The tool has two primary presentation options:*

- i embedded within a PC-based (non-mobile) web page*
- ii stand-alone in a mobile/smartphone web browser*

## 5. Feedback Method:

*Web-based feedback from the broader community will be sought via an NWS customer survey link beginning in mid-September 2013 and ending on March 19, 2014, at which time a decision to proceed with testing, revise the test, or to continue on the path to operational production and expansion to other offices will be made.*

*Comments or suggestions will be directed to:*

Corey Pieper  
National Weather Service  
819 Taylor Street, Room 10E09  
Fort Worth, TX 76102  
phone: 817-978-1100x122  
email: corey.pieper@noaa.gov

Users can also provide feedback with this survey:

[www.nws.noaa.gov/survey/nws-survey.php?code=MAPAPIWS](http://www.nws.noaa.gov/survey/nws-survey.php?code=MAPAPIWS)

## Part 2 – Technical

### 1. Format and Science Basis:

*All pages are built using HTML 5 and JavaScript, leveraging the open source jQuery and the adaptive design (dynamically adapting from PC to mobile devices) Twitter Bootstrap framework. They are built on a foundation of HTML to ensure compatibility with a wide range of web-enabled devices.*

### 2. Availability:

*This tool will be made available on the Southern Region webfarm. It will be available for use by all SR WFOs. After evaluation, it can be expanded to other Regions.*

*Currently, the widget is located on 2 webpages in SR:*

FWD: <http://www.srh.noaa.gov/fwd/?n=support&lat=31.80&lon=-97.09&zoom=2&loc=mcle>

ZFW: [http://www.srh.noaa.gov/zfw/ZFW\\_DSS\\_wxbrief.php](http://www.srh.noaa.gov/zfw/ZFW_DSS_wxbrief.php)

Mobile version CWSU:

<http://www.srh.noaa.gov/CmsSrAdditions/radar/?lat=31.693435048841827&lon=-97.66761718750001&zoom=4&dontshowmarker=1&config=zhu>