# Main Page for AWIPS Migration Warngen Information: July 2011

# Warngen Template Configuration Time Line

Attendees from the WarngenTemplateTeam TIM (February 2011, April 2011 and July 2011) are modifying the baseline templates to streamline Warngen operations and simplify Warngen template maintenance. The following page lists these actions:

WGTemplConfigTimeLine

# Warngen and the ADAM Workstation

The ADAM (AWIPS Data and Application Migration ) workstation contains development versions of the AWIPS II software. The Warngen ADAM page ( WgAdam ) contains only Warngen information specific to the ADAM configuration.

# Warngen and the AWIPS Text Workstation

This page ( WgTextWorkstation ) contains Warngen information related to the AWIPS text workstation.

# Practice and Test Mode

This page ( WgPracticeTestMode ) contains information about changing the workstation between operational, practice and test mode.

# General Configuration Information

This is a listing of the warnGen configuration files for the AWIPS system with the corresponding file names for AWIPS II. For AWIPS Focal Points who are familiar with the AWIPS warnGen configuration files this will provide a guide as to which warnGen files need to be updated in AWIPS II.

For both AWIPS and AWIPS II, the configuration files are organized into 2 broad categories: General and Product Specific.

**General Configuration Files:** These configuration files define functionality that is used in all of the warnGen products. For example, in AWIPS the CCC node identifier used for all of the WFO's warnGen products is defined by the **@@@CCC** directive in the mainConfig.txt file. In AWIPS II, the CCC node identifier used for all of the WFO's warnGen products is defined by the **<siteNode>** XMLTag in the config.xml file. Building on this example, the CCC node identifier for WFO Sterling's warnGen products is WBC so in Sterling's AWIPS mainConfig.txt file the @@@CCC directive would be **@@@CCC WBC** while in Sterling's AWIPS II config.xml file the <siteNode> XMLTag would be **<siteNode>WBC</siteNode>**.

**Product Specific Configuration Files:** These configuration files define functionality that is specific to given product such as Tornado Warning (TOR) or Severe Thunderstorm Warning (SVR). For example, in AWIPS the wwa-tor.preWWA is a warnGen template file that is specific for the creation of the Tornado Warning product, product category TOR. In AWIPS II the tornado.cfg and tornado.vm are configuration files which are specific for the creation of the Tornado Warning product, product category TOR.

# Location Of General warnGen Configuration Files

**AWIPS:** General warnGen configuration is set in the mainConfig.txt, wwaConfig.txt and wwaConfig.template files. The mainConfig.txt file sets items such as the WFO identifier for warnGen products and the states/WFOs whose products warning products are monitored for situational awareness.

**mainConfig.txt** (one of the following files):

/data/fxa/customFiles/LLL-mainConfig.txt  
/data/fxa/customFiles/mainConfig.txt  
/awips/fxa/data/localization/LLL/LLL-mainConfig.txt  
/awips/fxa/data/localization/LLL/mainConfig.txt

where LLL is the site identifier for the AWIPS system.

**wwaConfig.txt** (one of the following files):

/data/fxa/customFiles/LLL-wwaConfig.txt  
/data/fxa/customFiles/wwaConfig.txt  
/awips/fxa/data/localization/LLL/LLL-wwaConfig.txt  
/awips/fxa/data/localization/LLL/wwaConfig.txt

where LLL is the site identifier for the AWIPS system.

**wwaConfig.template** (one of the following files):

/data/fxa/customFiles/LLL-wwaConfig.template  
/data/fxa/customFiles/wwaConfig.template  
/awips/fxa/data/localization/LLL/LLL-wwaConfig.template  
/awips/fxa/data/localization/LLL/wwaConfig.template

where LLL is the site identifier for the AWIPS system.

**AWIPS II:** General warnGen configuration is set in the config.xml ( ConfigInfo ) file, which is found in:

**$EDEX\_HOME/data/utility/common\_static/base/warngen** directory where $EDEX\_HOME is typically /awips2/edex.

It is highly recommended that sites create a local config.xml file in their **$EDEX\_HOME/data/utility/common\_static/site/XXX/warngen** directory, where XXX is the three-letter id of the WFO (eg. LWX or CTP). This will allow the sites to keep the BASE file as is, and make desired modifications to the local file only.

# Location Of Baseline Templates

**AWIPS:** The baseline pre-localization template files are located in the /data/fxa/nationalData directory. Site specific customized pre-localization template files can be located in either the /data/fxa/customFiles directory (this is the typical location) or the /awips/fxa/data/localization/LLL directory where LLL is the AWIPS site identifier. Customized pre-localization template files are typically prefaced with the site identifier for which they are for, for example the customized tornado warning template for WFO LWX would be LWX-wwa\_tor.preWWA. In order to activate the pre-localization files, a "./mainScript.csh +maps" localization is typically run which places the post localization version of the warnGen template files into the /awips/fxa/data/localizationDataSets/LLL directory where LLL is the AWIPS site identifier.

**AWIPS II:** The baseline template files are located in the $EDEX\_HOME/data/utility/common\_static/base/warngen directory where $EDEX\_HOME is typically /awips2/edex. The site specific customized templates are usually located in the $EDEX\_HOME/data/utility/common\_static/site/XXX/warngen directory where XXX is the AWIPS system's site identifier. Customized template files typically included the site identifier for which they are for, for example the customized tornado warning template files for WFO LWX would be tornado\_LWX.vm AND tornado\_LWX.xml. The [product].xml configuration files configure the warnGen dialog box to control things like which Warning Basis and Call To Action statements are available for a given product. The [product].vm configuration files control how warnGen formats the warning product text, for example when a Call To Action statement is selected in the warnGen dialog box, what is the text that warnGen inserts in to the warning product it creates. To edit both the [product].xml and [product].vm files, it is recommended that the localization perspective be used.

# AWIPS II Warngen Localization Documentation

Rough Draft of localization tutorial/instructions/hints/tips (now in wiki format!): WarnGenLocalizationTutorial - Mike Dangelo 040312011:1701z

Rough Draft of instructions for CombiningMarineZones in AWIPS II - Phil Kurimski WFO DTX

Rough Draft of instructions for creating SiteSpecificDams in AWIPS II - Phil Kurimski WFO DTX

Rough Draft of instructions for AddingMileMarkers in AWIPS II - Mike Dangelo WFO CTP

Rough Draft of instructions for UsingIncludeFile in AWIPS II xml templates - Mike Dangelo WFO CTP

# AWIPS II Warngen Velocity Reference from Raytheon

Rough Draft of OB11.4 Warngen Velocity Documentation Draft\_WarnGen\_Documentation.doc . This is a reference document for Warngen Velocity templates written by the Warngen software developer. Mike Dangelo's document above contains more practical "how to" information.

# WarnGen Severe Weather Product Templates

**Attendees from the WarnGen template TIMs (February 2011, April 2011 and July 2011) are modifying the baseline templates to streamline WarnGen operations and simplify WarnGen template maintenance at the WFO level. Beware that the AWIPS II templates attached below are being developed. They may not be tested and may not be included in the AWIPS II baseline.**

**Tornado Warning: Product category TOR, i.e. WBCTORLWX**

AWIPS template: **wwa\_tor.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( TorInfo ): **tornado.vm** and **tornado.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

**Severe Thunderstorm Warning:** Product category SVR, i.e. WBCSVRLWX

AWIPS template: **wwa\_svr.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( SvrInfo ): **severethunderstorm.vm** and **severethunderstorm.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

**Severe Weather Statement, follow-up to TOR or SVR: Product category SVS, i.e. WBCSVSLWX**

AWIPS template: **wwa\_svrwx\_sta\_county.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( SvsInfo ): **SVS.vm** and **SVS.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

**Extreme Wind Warning: Product category EWW, i.e. WBCEWWLWX**

AWIPS template: **wwa\_eww.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( EwwInfo ): **eww.vm** and **eww.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

**Severe Weather Statement, follow-up to EWW: Product category SVS, i.e. WBCSVSLWX**

AWIPS template: **wwa\_eww\_svs.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( EwwsInfo ): **ewws.vm** and **ewws.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

# WarnGen Marine Weather Product Templates

### Special Marine Warning: Product category SMW, i.e. WBCSMWLWX

AWIPS template: **wwa\_specmarine.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( SmwInfo ): **smw.vm** and **smw.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

### Marine Weather Statement, follow-up to SMW: Product category MWS, i.e. WBCMWSLWX

AWIPS template: **wwa\_mar\_wx\_sta.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( SmwsInfo ): **smws.vm** and **smws.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

### standalone Marine Weather Statement: Product category MWS, i.e. WBCMWSLWX

AWIPS template: **wwa\_mws\_nosmw.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( MarineStatementInfo ): **marinestatement.vm** and **marinestatement.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

# WarnGen Hydrologic Product Templates

### Flash Flood Warning, convective: Product category FFW, i.e. WBCFFWLWX

AWIPS template: **wwa\_ffw.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( FfwInfo ): **ffw.vm** and **ffw.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

### Flash Flood Statement (follow-up to convective FFW): Product category FFS, i.e. WBCFFSLWX

AWIPS template: **wwa\_flflood\_sta\_county.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( FfsInfo ): **ffs.vm** and **ffs.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

**Dam Break (non convective flash flood warning): Product category FFW, i.e. WBCFFWLWX**

AWIPS template: **wwa\_dam\_break.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( DamBreakInfo ): **dambreak.vm** and **dambreak.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

Rough Draft of instructions for creating SiteSpecificDams in AWIPS II - Phil Kurimski WFO DTX

**Dam Break follow-up: Product category FFS, i.e. WBCFFSLWX**

AWIPS template: **wwa\_flflood\_sta.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( DamBreakFfsInfo ): **dambreakffs.vm** and **dambreakffs.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

Rough Draft of instructions for creating SiteSpecificDams in AWIPS II - Phil Kurimski WFO DTX

**Areal Flood Warning: Product category FLW, i.e. WBCFLWLWX**

AWIPS template: **wwa\_flood\_wrn.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( FlwInfo ): **flw.vm** and **flw.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

**Areal Flood Statement (follow-up to FLW): Product FLS, i.e. WBCFLSLWX**

AWIPS template: **wwa\_flood\_sta.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( FlsInfo ): **fls.vm** and **fls.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

**Areal Flood Advisory (events below severe criteria): Product category FLS, i.e. WBCFLSLWX**

AWIPS template: **wwa\_flood\_adv.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( FlaInfo ): **fla.vm** and **fla.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

### Areal Flood Advisory Statement (follow-up to areal flood advisory): Product category FLS, i.e. WBCFLSLWX

AWIPS template: **wwa\_flood\_adv\_sta.preWWA** (in /data/fxa/nationalData)

AWIPS II template ( FlasInfo ): **flas.vm** and **flas.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

# Warngen Non-warning Product Templates

Non-warning products for which WarnGen can be used but WFOs are not mandated to use warnGen.

**Significant Weather Alert: Product category SPS, i.e. WBCSPSLWX**

AWIPS template: **wwa\_swa.preWWA** (in /data/fxa/customFiles or /awips/fxa/data/localization/XXX)

AWIPS II templates ( SwaInfo ): **swa.vm** and **swa.xml** (in awips2/edex/data/utility/common\_static/base/warngen)

**Short Term Forecast: Product category NOW, i.e. WBCNOWLWX**

AWIPS template: **wwa\_shorttermfcst.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( ShortTermInfo ): **shortterm.vm** and **shortterm.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

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AWIPS template: **wwa\_sws.preWWA** (in /data/fxa/nationalData)

AWIPS II templates ( SwsInfo ): **sws.vm** and **sws.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

**ER Special Weather Statement: Product category SPS, i.e. WBCSPSLWX**

AWIPS II templates ( ErSpsInfo ): **ERsps.vm** and **ERsps.xml** (in /awips2/edex/data/utility/common\_static/base/warngen)

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