UPDATED WARNGEN SEGMENTATION INSTRUCTIONS 12/6/04

1. INTRODUCTION

The short fused followup products SVS, FFS and MWS are becoming segmented on December 8, 2004 at 18:00Z. The CFW and standalone MWS (non-followup MWS) products are also becoming segmented on December 8. WarnGen can only produce a standalone MWS with one segment. The official implementation announcement (SCN 04-40 AMENDED, dated 10/29/04) is available at:

http://www.nws.noaa.gov/om/notif.htm

Each WFO should ensure that any of these products that they issue beginning on December 8, 2004 at 18:00Z has the segmented format. Also, don't disseminate any of these products with a segmented format before 18:00Z on December 8.

If you're experiencing severe weather on December 8 at 18Z, don't make any WarnGen changes. After the event is over, enable the WarnGen segmented products at your earliest convenience.

Details on installing and testing WarnGen segmented templates are available in the document "WarnGen Segmented Followup Instructions" (dated 11/19/04) at the AWIPS System Administration Web page:

http://www.ops1.nws.noaa.gov/awips_install.htm

OB3.3 or OB4 WarnGen templates are required to implement the segmented followup. Previous versions of WarnGen templates do not have the segmented followup logic. Details are available in the "WarnGen Segmented Followup Instructions" document referenced above.

Once the segmented templates are installed, WarnGen segmentation is enabled by copying two configuration files and restarting WarnGen. See Part 3 below for details. If segmentation needs to be disabled, see Part 4 below.

Sites that have marine responsibility (or backup marine responsibility) need to correct an error in the MWS followup template. The error causes the date/time line to be excluded from the segment headings. See Part 5 below for details.

For sites that install OB4 on or after December 8, beware that the OB4 install will change the WarnGen QC configuration file to do unsegmented QC. This will not disable segmentation nor prevent the transmission of segmented products, but an erroneous QC message may complain about the UGC line. Instructions to fix this are in Part 6 below.

OB4.1 will not deliver any WarnGen segmented configuration files. As a result, the OB4.1 install will not affect WarnGen segmentation.

2. RELATED VTEC INFORMATION

An important new feature of OB4.1 is that experimental VTEC is enabled by default for non hydrologic short fused warning products. That is, VTEC "X" mode will be generated for the following WarnGen products: SVR, TOR, SVS, SMW and followup MWS. The standalone MWS will have no VTEC. The following WarnGen hydrologic products will have VTEC disabled: FFW, FFS, FLW, FLS.

VTEC OT&E sites are issuing VTEC products in experimental mode. Beware that VTEC will be disabled by the OB4 install. VTEC OT&E sites that install OB4 must reset the warnGenVTEC.mode file to issue experimental VTEC and comment out the FFW and FFS lines in file textQC.config.

3. ENABLING WARNGEN SEGMENTED FOLLOWUP ON ALL WORKSTATIONS

The following instructions must be followed by all WFOs in order to enable WarnGen segmentation on December 8, 2004.

Detailed instructions were already provided with steps to complete before December 8. These include the following: verify that your templates have the segmented logic, check that the correct WarnGen QC configuration file is installed, complete testing and training with the segmented templates. These preparatory instructions are in the document "WarnGen Segmented Followup Instructions" dated 11/19/04 and available at the following web page:

http://www.ops1.nws.noaa.gov/awips_install.htm

After completing the preparatory work, complete the following steps to enable WarnGen segmentation on December 8, 2004.

On ds1, enter the following commands as user "fxa":

cd /data/fxa/nationalData
cp –p seg_svs_control.inc.SEGSVS seg_svs_control.inc
(enable segmentation)
cp –p textQC.config textQC.config.orig (backup baseline QC file)
cp –p textQC.config.SEGSVS textQC.config
(install the segmented QC configuration file)

Note: Be careful that the correct QC configuration file is being used. See Part 6 below to verify the contents of the two versions of the WarnGen QC configuration file.

Note: VTEC OT&E sites should have QC disabled for the FFW and FFS products. That is, file textQC.config should have a "#" at the beginning of the FFW and FFS lines.

Note: At VTEC OT&E sites, the WarnGen VTEC configuration file (/dsdata/nationalData/warnGenVTEC.mode) should contain "EXP". This will produce VTEC products in "X" mode. At all other sites running OB3.1 and OB4, it should contain "OFF" (to disable VTEC).

The next time WarnGen is launched (D2D does not need to be restarted), the changes will take effect.

4. DISABLING WARNGEN SEGMENTED FOLLOWUP ON ALL WORKSTATIONS

If WarnGen segmentation needs to be disabled on all workstations, follow these steps on ds1 as user "fxa":

cd /data/fxa/nationaldata
rm seg_svs_control.inc
cp –p textQC.config.orig textQC.config

The next time WarnGen is launched (D2D does not need to be restarted), the changes will take effect.

5. MWS FOLLOWUP TEMPLATE SEGMENTATION ERROR

The followup MWS does not have the date/time line in the segment headings. The following correction is needed to have a correctly formatted MWS beginning on December 8, 2004.

A one line change is needed in the template. The change should be made in the following pre-localization file:

ds1:/data/fxa/customFiles/LLL-wwa_mar_wx_sta.preWWA

The second file above (where LLL is your site ID) represents your customized version of the MWS followup template (your template name may be different). To implement the change, you may either localize each workstation or edit the localization output file on each workstation. To localize use:

./mainScript.csh –wwa

Instead of localizing, you can make the one line change in the following localization output file on each WarnGen workstation:

/awips/fxa/data/localizatonDataSets/LLL/wwa_mar_wx_sta.wwaProd

Again, LLL is your local site ID and the file name represents your customized version of the template.

To add the date/time line in the segment headings of the followup MWS, add the segmentation line in bold below just after the VTEC line. After making the change, this section of the template will have:

```
#include "wwa_marine_ugc.template"
&/O.$$ACT_VAL!.$$VTEC_EVENT!.000000T0000Z-<EXPIRE|ymdthmz|gmt>/
{ [X$$SEG_SVS.eq.XYES] | &<NOW | header | local > }
```

Beware that OB4.1 releases a new version of the followup MWS template that does not have the date/time fix. That is, when you install OB4.1, a new followup MWS template will be delivered in nationalData, but customFiles and the operation of WarnGen will not be changed.

The OB4.1 followup MWS template has a wording correction because the text "WASS WERE" erroneously appeared in the CAN and EXP segments. Unfortunately, it was not possible to include the date/time fix in the OB4.1 MWS template. After you install OB4.1, it would be good to add the date/time correction to the baseline template in nationalData. That is, after installing OB4.1, make the above correction in file:

ds1:/data/fxa/nationalData/wwa_mar_wx_sta.preWWA

The corrected MWS template likely will be released with OB5.

OB4 does not contain any change to the baseline followup MWS template. Therefore, the installation of OB4 will not affect the date/time fix.

6. SPECIAL INSTRUCTION FOR WARNGEN SITES INSTALLING OB4 ON DECEMBER 8, 2004 OR LATER

On December 8, 2004, the short fused followup products SVS, FFS and MWS will become segmented. Unfortunately, the OB4 installation overwrites the WarnGen QC segmentation configuration file that was manually changed to enable segmentation on December 8. As a result, segmentation will still be enabled, but an erroneous WarnGen QC message may be generated concerning UGCs in followup products.

The OB4 install changes the file /data/fxa/nationalData/textQC.config to disable WarnGen segmented QC. The following are the textQC.config settings for unsegmented QC:

```
TOR  {localWarningInfoTest TOR}  EXE   Y   N   Y   Y   N   N   {Tornado Warning}
SVR  {localWarningInfoTest SVR}  EXE   Y   N   Y   Y   N   N   {Severe Thunderstorm
                                                                   Warning}
SVS  NONE                        INT   Y   Y   Y   Y   N   N   {Severe Weather
                                                                 Statement}
FFW  {localWarningInfoTest FFW}  EXE   Y   N   Y   Y   N   N   {Flash Flood Warning}
FFS  NONE                        INT   Y   Y   Y   Y   N   N   {Flash Flood Statement}
SMW  {localWarningInfoTest SMW}  EXE   Y   N   Y   Y   N   N   {Special Marine Warning}
MWS  NONE                        INT   Y   Y   Y   Y   N   N   {Marine Weather Statement}
SLS  NONE                        INT   Y   N   Y   Y   N   N   {Watch Box Areal Outline}
```

The following are the textQC.config settings for WarnGen segmented QC:

```
TOR  {localWarningInfoTest TOR}  EXE   Y   N   Y   Y   N   N   {Tornado Warning}
SVR  {localWarningInfoTest SVR}  EXE   Y   N   Y   Y   N   N   {Severe Thunderstorm
                                                                  Warning}
SVS {localWarningInfoTest D SVS} EXE   Y   N   Y   Y   N   N   {Severe Weather
                                                                Statement}
FFW  {localWarningInfoTest FFW}  EXE   Y   N   Y   Y   N   N   {Flash Flood Warning}
FFS {localWarningInfoTest D FFS} EXE   Y   N   Y   Y   N   N   {Flash Flood Statement}
SMW  {localWarningInfoTest SMW}  EXE   Y   N   Y   Y   N   N   {Special Marine Warning}
MWS {localWarningInfoTest D MWS} EXE   Y   N   Y   Y   N   N   {Marine Weather Statement}
SLS  NONE                        INT   Y   N   Y   Y   N   N   {Watch Box Areal Outline}
```

After the OB4 install, to get the correct version of the WarnGen QC file, do the following as “fxa”:

cd /data/fxa/nationalData
cp –p textQC.config.SEGSVS textQC.config

The next time WarnGen is restarted, the changes will take effect.