Transitioning the NWS Forecaster Warning Workflow to Hazard Services Convective

Lexy Elizalde-Garcia[1,2], Edward Raven Vasquez[1,2], Michael Magsig[2], Michael Lowe[1,2], Samantha Boyd[1,2]

[1] Cooperative Institute for Severe and High-Impact Weather Research and Operations (CIWRO)/University of Oklahoma

[2] National Weather Service/Office of the Chief Learning Officer/Warning Decision Training Division

What is Hazard Services Convective?

Hazard Services is an **application** within the **AWIPS software** that is unifying NWS **watch, warning, and advisory** (WWA) issuance. **Hazard Services Convective** (HSC) currently in field testing adds **short-fuse convective warnings** to the unified workflow and will eventually replace the current software (WarnGen).

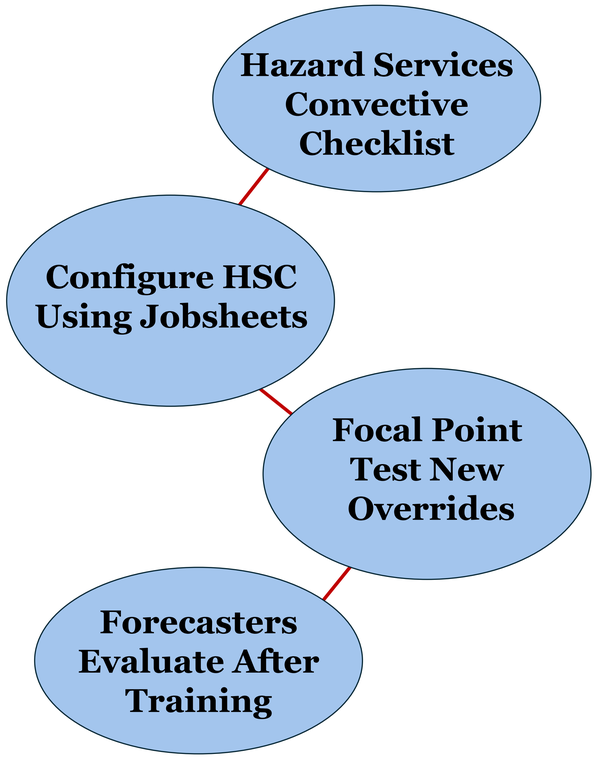
WarnGen vs. Hazard Services Convective

WarnGen

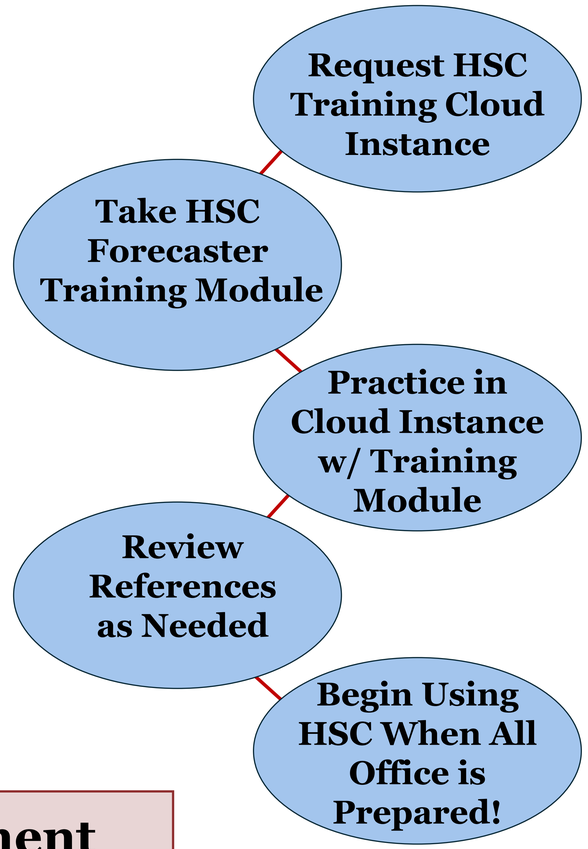
HSC What's Improved

- **Storm Track Tool & Dialog** drives convective hazard generation
  - Now allows for robust drafting of multiple hazards
- **Color-coded console** manages multiple hazards including **time to expiration**
- **Bearing/speed readouts** allow for better awareness of tracking
- Smart **Calls To Action** (CTA) **driven** by **max wind/hail selection**
  - **Organized by B**ase, **C**onsiderable, **D**estructive/**Emer**gency
- **Cancellation/expiration simplified** with less manual text typing
- **Entering reports** in the Hazard Information Dialog **is simplified**
- **Propose** and **copy events** allows **collaboration** within and **between offices**

Focal Point Training

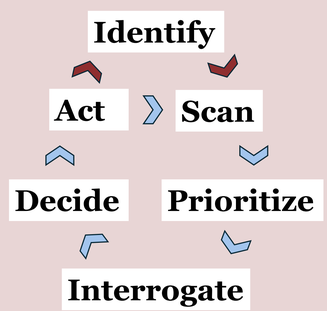


Forecaster Training

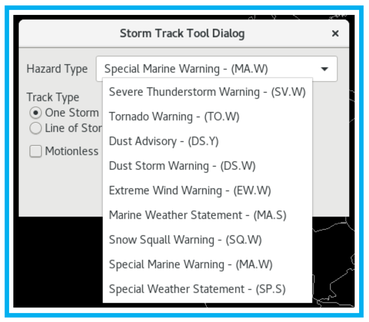


Future Training Development for Operational Rollout

I-SPIDA Warning Workflow



- HSC focal point/forecaster training and references/job sheets will undergo review & updates after initial field test
- Library of cloud case applications to be developed for extra practice
- Radar & Applications Course and AWIPS fundamentals training will transition from WarnGen to HSC
- WDTD 10-Steps to issue SV/TO.W's and Statements will be updated
- Weather Event Simulator will need to update to newest AWIPS build with HSC



Contact & More Information

Lexy.Elizalde-Garcia@noaa.gov