Storm-Based Warning Performance Objectives

Introduction:

Performance objectives offer precise, measurable statements of behavior that training participants should be able to demonstrate though job-related tasks. The Training Team for Storm-Based Warnings (SBWs) has identified several performance objectives that are important for issuing SBWs. **The Weather Event Simulator (WES)** job sheet Exercises that are a part of the SBW Training Course offer an excellent opportunity for learners to practice these objectives and apply the main learning concepts as presented in the Articulate lessons. Local training facilitators are encouraged to use these **performance objectives** in evaluating the extent that the training is being utilized. After some time has passed (3-4 months), to build application of learning concepts into routine operation, the Warning Decision Training Branch (WDTB) will evaluate the **extent that training participants** are using the training on the job and performing these objectives effectively. This analysis is part of the formal Level 3 Training Evaluation process that the NWS Training Division conducts as part of its standard instructional design process.

List of Specific Performance Objectives:

1. *Students must be able to recognize storm threat(s) areas or swaths for a given storm situation.* **(all lessons)**

2. *Students must be able demonstrate recommended strategies for proper polygon warning design in various convective warning situations:*
   - *T1 - issue a TOR for single supercell (isolated TOR threat)*
   - *T2- issue a TOR for 2 supercells (2 TOR threats in close proximity)*
   - *T3 -issue a TOR for squall line storms (single TOR threat, multiple SVRs)*
   - *S1- issue SVR for squall line storms (bowing segments)*
   - *T4- issue 2 TORs, then after merger, 1 TOR*
   - *T5 – issue warnings for training supercells*
   - *FF1- issue a FFW for a single isolated storm*
   - *FF2 – issue a FFW for an area of storms*
   - *EWW1-issue an EWW for an area of enhanced tropical storm induced winds*
   - *P1 – issue a SVR for a Pulse Storm*
   - *C1 – issue a TOR or SVR for storms crossing County Warning Area borders*

3. *Students must be able to demonstrate recommended strategies for issuance of warning follow-ups (cancelling, continuing, and correcting) in various situations.*

4. *Students must be able to demonstrate how to mitigate special storm-based warning issues such as:*

   - adjacent warnings (slight overlap no gap)
   - multiple threats for single storm (don't split it up)

- warnings cut too thin to account for uncertainty (allow room to maneuver)
- thinking beyond 1st polygon (storm evolution forecast)
- communicating the threat to all customers (remember the non-digital users)