

## Scheduled WDTB Training for FY2014

Training	Description	Target Audience	Delivery Methods	Duration	Scheduled Deliverables	Point of Contact
<b>NEXRAD</b>						
<b>Distance Learning Operations Course</b>	Initial Warning Operations Training. The course includes radar overview and data interpretation, AWIPS use, convective systems, warning strategies and numerous facilitated simulations (workshop).	All New NWS Forecasters	Web Modules, ILTs, Simulations, Workshops	Distance Learning Component: 80 Hours Workshop: 36 Hours	1. Distance Learning Components: September through January 2. Workshops: January and February	Liz Quetone
<b>WSR-88D Build Training</b>	Changes to the WSR-88D and their impacts on operations.	All WSR-88D users	Web Modules, ILTs	30 Minutes to 2 hours	1. RDA/RPG Build 14.0 Beta Test (ILTs) January 2. RDA/RPG Build 14.0 Deployment (web modules) March	Jami Boettcher
<b>AWIPS</b>						
<b>"Tales from the Testbed" (Hazardous Weather Testbed Webinars)</b>	Research to Operations and Operations to Research results with the Hazardous Weather Testbed	NWS Forecasters	Webinars	22 Minute presentations with 8 minutes of follow-up questions	Fridays at 12:00 CDT during the late Spring	Clark Payne
<b>AWIPS-2 Variance Training</b>	The AWIPS-2 Variances Course and AWIPS-2 D2D NSHARP Course address the differences between AWIPS-1 and AWIPS-2 from a user perspective.	AWIPS users in specific Activation Groups who are installing AWIPS-2. The AWIPS II Activation Policy Implementation Plan requires all forecasters (not HMTs) to complete the Variances and NSHARP training within a specific time window after the start of the 30-day Test Period for the previous group and before the local site's activation.	Web modules with applied job sheets for use with ADAM. Training has been designed to be used as a reference from AWIPS LX workstations.	3-4 hours	The training will be routinely updated for each AWIPS-2 Activation Group based off the changes in AWIPS-2 and the Group Activation schedule.	Mike Magsig
<b>AWIPS-2 Focal Point Training</b>	5 foundational AWIPS-2 courses and 10-15 application-specific courses focused on configuring and maintaining AWIPS Applications. Foundational modules are required before application-specific modules can be taken.	ITOs and AWIPS Application Focal Points at WFOs (each WFO should have at least one completion of each course)	Web-Modules, applied job sheets/exercises		Preliminary courses will be finalized as AWIPS-2 development matures. Focal Point training is not required for AWIPS-2 Activation, though taking the training 3-4 months prior to Activation is critical in preparing for AWIPS-2.	Mike Magsig
<b>AWIPS-2 Hazard Services</b>	Training on new AWIPS-2 warning/hazards generation tool consolidating WarnGen, GHG, and RiverPro functionality initially focused on WFO hydro product generation.	Forecasters who issue hydro products and services at AWIPS-2 sites	Web modules, applied exercises/simulations with WES-2 Bridge	Overviews: estimate 1 hr Exercises: estimate 2-3 hours	Training released coincident with fielding of Hazard Services IOC (currently OB14.2.1 in Apr 2014)	Mike Magsig
<b>AWIPS-2 Tracking Meteogram</b>	Training on a new AWIPS-2 tool that provides a time series of data generated from an interactive polygon tracking tool	Forecasters at AWIPS-2 sites	Web module and applied exercises	Overview: 20 min Exercise: 30 min	Training released coincident with fielding of Tracking Meteogram (currently OB14.2.1 in Apr 2014)	Tiffany Meyer
<b>Multi Radar Multi Sensor (MRMS)</b>	MRMS course will coincide with formal 2014 release of MRMS data (web pages and AWIPS-2 capability). General overview will be for all users, and 3 applications tracks (Severe, Hydro, and Aviation) will target WFO and CWSU operations.	General Overview - forecasters at WFOs, CWSUs, RFCs, National Centers  Application Training - forecasters at WFOs and CWSUs	Web modules for overviews and applied exercises on platform TBD (could be WES-2 Bridge and/or web)	Overview: 30 min Severe Track: 3-4 hrs Hydro Track: 3-4 hrs CWSU Track: 2-3 hrs	Training released coincident with formal MRMS release (Sep-Oct 2014).	Jim LaDue
<b>WES 1 Updates and Support</b>	The Weather Event Simulator (WES) will include new updates so that SAILS data can be played through simulations, as well as new updates for WarnGen templates (tornado/flash flood emergencies)	WES Installation Focal Points and WES Training Focal Points	Web module training, 1 DVD for WES 9.13 Installation, 1 DVD for Localization update	15-20 minutes for web module training	WES 9.13 (installation and localization DVDs): January 2014	Dan McKemy

<b>WES 2 Bridge Implementation</b>	The first WES-2 Bridge release brings initial data playback and review of data in D2D to the AWIPS-2 platform. Subsequent releases will include case conversion from AWIPS-1 and more functions in GFE and Hydro	WES Installation Focal Points and WES Training Focal Points	focal point training via web modules; hardware modification kit; operating system disk image; software release with simulation data on BluRay disc		January (expected date) for AWIPS-2 OT&E sites, subsequent months for remaining sites	Dale Morris
<b>AWIPS Fundamentals</b>	Fundamental AWIPS training for warning decision making (previously DLOC Topic 1). This will be a prerequisite for DLOC FY15.	Targeted for new NWS forecasters before taking DLOC in FY15, but appropriate for all AWIPS users.	Web Modules, WES exercises	15-30 hours	In spring-summer 2014 Topic 1 will be pulled out of DLOC and made a standalone course leveraging either AWIPS-1 or AWIPS-2, depending on FY15 DLOC development	Clark Payne
<b>Preliminary ENI Total Lightning (FDTB lead)</b>	Training on ENI Total Lightning	Forecasters at AWIPS-2 sites	Web modules and TBD application	TBD	FDTB will be developing preliminary ENI Total Lightning training when the data is provided to AWIPS-2 sites. WDTB contribution of using ENI Total Lightning data in the forecast and warning process is not being resourced in FY14.	Mike Magsig
<b>Tropical - Sandy Supplemental</b>						
<b>Tropical Cyclone Tornadoes</b>	Training on local TC tornado impact recognition, radar discrimination process, storm-based warning guidance, and depicting the tornado threat/potential impacts.	NWS Forecasters with Tropical Responsibilities	Web Modules, WES exercise	3-4 hours	January 2014 for modules;  Mar 2014 for WES-2 TC warning decision making exercise	Brad Grant
<b>Tropical Cyclone Distributed Simulation</b>	Simulation script to be used for exercising NWS WFO functions and job tasks associated with a landfalling tropical cyclone. Focus is on event interpretation, messaging, and proactive communication skills.	NWS Forecasters with Tropical Responsibilities	Simulation script with performance assessment	2-4 hrs (depending on functions and/roles selected to participate)	April 2014	Brad Grant
<b>GOES-R</b>						
<b>GOES-R into warning operations</b>	This is the first time a NWS-wide GOES-R training release would be developed specifically for short-fused severe warning operations. We will incorporate existing training on GOES-R experimental products for the EWP into a course and include warning performance objectives in a WES-2 bridge simulation. The release would utilize the same simulation case as the one used by the MRMS course.	NWS WFO forecasters, CWSU forecasters	Asynchronous lessons, WES-2 bridge (WES) simulation	Not more than 3 hours of asynchronous lessons, 1 hour simulation.  There will be basic satellite course prerequisites. TBD	Sept 2014 coincident with MRMS course	Jim LaDue
<b>Local Forecast and Warning Program</b>						
<b>Advanced Warning Operations Course - Core Decision Making</b>	Addresses aspects of the decision making process of warning environment. Topics include situation awareness, office strategies, public response, societal impacts, risk communication and root cause analysis.	Forecasters with Warning Responsibilities as well as anyone who has oversight or input into the warning program. Pre-requisites: This course has no pre-requisites so it is also available for anyone wanting a better understanding of the warning process.	Web modules and 1 instructor-led teletraining session.	10 hours	Local Forecast and Warning Training Funds not provided to WDTB for FY14	Liz Quetone
<b>Advanced Warning Operations Course - Flash Flood</b>	Addresses conceptual models of flash flooding, meteorological and hydrological ingredients, using FFMP, enhanced wording in Flash Flood Warnings, and the meteorology of extreme rainfall events. Pre-requisites include DLOC and Dual-Pol Lessons.	Forecasters with Flash Flood Warning Responsibilities	10 web modules, 1 WES Simulation	6 hours		Brad Grant

<b>Advanced Warning Operations Course - Severe Weather</b>	Addresses the baseline set of competencies needed for operational severe weather forecasting and warning. Course consists of modules based on new science such as VORTEX-2 , dual-pol, and new application ssuch as NSHARP. Course includes instruction on svr wx threat assessment, storm hazard interrogation, tornado warning guidance, and warning strategies for QLCS. Course includes participation in forecasting and warning exercises.Pre-requisite includes DLOC.	Forecasters with Warning Responsibilities	15 Web modules, 1 Instructor-led training, Forecast Challenge, WES simulation	14 hours	Local Forecast and Warning Training Funds not provided to WDTB for FY14	Brad Grant
<b>Advanced Warning Operations Course - Winter Weather</b>	Address the essential knowledge, skills, and abilities required for forecasters to make accurate and timely winter weather warnings. Topics in the AWWT include products and services, societal impacts, climatology, precipitation forcing mechanisms, forecasting snow amounts, and monitoring.	Forecasters with Winter Warning Responsibilities	35 Web Modules, 1 WES Simulation	25 hours of web-based training		Jim LaDue
<b>CWSU Training Library</b>	Provides CWSUs with a library of short (mostly 10-30 min) aviation weather training modules from which to train FAA Air Traffic Controllers on an "as requested" basis.	FAA Air Traffic Controllers	Instructor Led (classroom) Training via Student Guides and PowerPoint presentations.	40 hours delivered (~45 additional hours planned for FY14 were cancelled)		Bobby Prentice
<b>EF-Scale Training</b>	Updates to the two-lesson EF-scale course and the EF-kit. Integration of the EF-kit and the Damage Assessment Toolkit.	NWS damage surveyors	Two articulate lessons, windows-based software	2 hours		Jim LaDue
<b>LMS Reporting for Training &amp; Management</b>	Provides a focuses, eary-to-implement LMS reporting tool and services to SOOs, DOHs, MIC, Reional and National Managers.	LMS Analysis available to SOOs, MICs, and Managers at Regional and National Levels.	Instructor Led Training, Job Sheets, LMS Reporting Toolkit. Toolkit updates on Monday, Wednesdays, Fridays, and special requests.	ILT on how to use LMS Reporting Toolkit: 1 hour		Don Rinderknecht
<b>Root Cause Analysis Support</b>	Facilitates the implementation of Root Cause Analysis (RCA) process as a tool for operational and management performance improvement.	Operational forecasters and all levels of NWS Management	Instructor-Led Training (ILTs), Simulation job sheets, RCAkit Software.	ILTs: 1-2 Hours Job Sheets: 2 Hours Evaluations: 1 Hour		Liz Quoetone
<b>Service Assessment Support (FY14)</b>	Addresses all warming-related training issues, finding, and recommendations identified by NWS or regional service assessments.	Supports all service assessment teams.	Implements all Service Assessment warning-related training recommendations with training solutions and interventions.	Solution dependent, ranges from web-based LMS modules (20 minutes to 1 hour), to a major course revisions (4 to 6 hours).		Brad Grant
<b>Hydrology for WFOs Simulation</b>	Hydrologic WES-2 Simulations. Based on Nashville Floods 2010 Service Assessment - Action 16.	WFO Forecasters	WES-2 simulation	2-3 hrs		Dale Morris
<b>Conducting Effective Damage Surveys</b>	Advanced Damage Survey Techniques. Based on Historic SE Tornado Outbreak 2011 Service Assessment - Rec. 24.	WCMS and damage assessment staff at WFOs				Jim LaDue
<b>SOO/DOH Training Officer Workshop</b>	Facilitation Workshop addresses competencies needed to lead a local training program; includes instruction on debriefing techniques,using simulations, adult learning, evaluation, LMS administration, RCAs, training transfder, coaching, and mentoring.	new SOOs and DOHs	Residence Workshop	3-4 days		Brad Grant
<b>Storm of the Month Webinars</b>	Research to Operations and Operations to Reseach results with the Hazardous Weather Testbed	NWS Forecasters	Webinars	22-minute presentations with 8 minutes of follow-up questions	Jami Boettcher	