

UCACN	Aviation Weather Center	Revised: CEW 20 Jan 2012	
CATEGORY	RECOMMENDATION (PARAPHRASED)	ACTION	STATUS
Customer & Partners	Determine how AWC will get involved and interact with other Centers, agencies and Industry in the Weather Ready Nation effort	TBD	
Customer & Partners	Continue the success of AWC Outreach activities	Regularly attend events such as IATA, EAA AirVenture, FPAW, NBAA, WIA and other new venues	
Customer & Partners	Continue AWC's active involvement in the Collaborative Decision Making's (CDM) Weather Evaluation Team (WET)	Attend CDM WET Meetings regularly	Ongoing
Customer & Partners	Develop a stronger operational linkage between the AWC and the CWSUs	<p>Develop a TFM Web Portal integration into the AWC's QICP Certified web services for use by CWSU and ATCSCC</p> <p>Evaluate winter weather guidance and web-based decision support dashboard for aviation</p>	<p>Ongoing - OCWWS Funded</p> <p>Ongoing - http://testbed.aviationweather.gov/winterdashboard</p>

		purposes	
Customer & Partners	The management team should take advantage of the stronger linkages with the NWSHQ, the NCEP OD, and Regional offices to address challenges.	The NWS OST establish an AWT Research Associate position through the Cooperative Institute for Research in the Atmosphere (CIRA)	OST - Ben Schwedler AWT NextGen Coordinator
Customers & Partners	Exploit every opportunity to strengthen AWC's relationships with the appropriate people within the FAA.	Add NWS full-time equivalent employees (FTEs) at the FAA's Air Traffic Control System Command Center (ATCSCC)	Ongoing - Operations Concept and Implementation Final Drafts being coordinated
Products & Services	Take the lead to formalize and execute a process to ensure consistency of all aviation products and services.	TBD	
Products & Services	Work with the other World Area Forecast Centers (WAFC) on automating as many legacy products as possible.	<p>Terminate the International Flight Folder Documentation Program (IFFDP) Fax Service after being successfully modernized as a web service</p> <p>Develop an auto-labeling and auto-grouping prototype as a means of making the Significant Weather High forecast production more efficient</p>	<p>Complete</p> <p>Ongoing - Experimental production ongoing</p> <p>Ongoing - OCWWS Funding EMC</p>

		Icing analysis over global domain used to verify the Global Forecast Icing Product (GFIP) and blended icing forecasts	
Products & Services	Work closely with the Space Weather Prediction Center (SWPC) to ensure that the services and products are user-friendly	Develop simplified SWPC aviation dashboard guidance and present at the April 2012 SWPC forum to determine aviation users requirements	Ongoing
Science & Technology	Incorporate the knowledge gained from rapid progress in the observational analysis and numerical prediction of convective weather systems into operations	Operationally implement the Day 1-3 Extended Convective Forecast Product (ECFP) to support traffic flow management decision making	Ongoing - Operational 4/2/12
Science & Technology	Include applications of ensemble weather forecasting techniques based on high-resolution convection-allowing models into operations	Develop framework for experimental and operational production of center specific ensemble post-processed NWP guidance Experimental ensemble ceiling and visibility predictions (ECVP) developed to support traffic flow management	Ongoing - Multi-Center effort led by Russ Schneider Research Ongoing

		decision making	
Science & Technology	Retrain users and forecasters who rely heavily on legacy products	<p>A baseline of icing forecast knowledge established through icing seminars</p> <p>A baseline of turbulence forecast knowledge established through turbulence seminars</p>	<p>Complete - November 2011</p> <p>Ongoing - Seminar Feb 2012</p>
Science & Technology	invite operational airline personnel (who deal with the impact of weather) when an experiment involves possible output for use by non-meteorologist users	Conduct Summer Experiment focused on convective initiation and impact to traffic flow management (with participation from SPC, EMC, HPC)	Planning Ongoing
Science & Technology	Conduct Next Generation Air Transportation System (NextGen) activities with the FAA's William J. Hughes Technical Center in Atlantic City, NJ, obviously coordinated through the NWS NextGen Program Office at NWS HQ.	<p>Implement MITRE's traffic management research platform, the CAASD Analysis Platform for En Route (CAPER), in the AWT accelerate development of traffic flow management decision making guidance</p> <p>Participate in the FY12 NEXTGEN 4-D Cube IT Capability Evaluation by providing and acquiring data from the</p>	<p>Ongoing - Developing agreement with MITRE</p> <p>Mini-CE March 2012? CE - September 2012</p> <p>Ongoing - Establishing data flow</p>

		<p>4D Cube Reference Implementation</p> <p>Acquire Multi-Radar Multi-Sensor (MRMS) data generated from the FAA's NextGen Weather Processor (NWP).</p>	
Science & Technology	continued interactions with NCAR's Research Applications Laboratory (RAL) and NOAA's Earth System Research Laboratory (ESRL) as well as universities who are strong in meteorology.	<p>Place the FAA Aviation Weather Research Program developed Ceiling and Visibility Analysis (CVA) into operations</p> <p>Aviation Digital Data Service (ADDS) algorithms transitioned to the Rapid Refresh (WRF-RR) as their primary model input.</p> <p>The AWRP developed Graphical Turbulence Guidance version 3 (GTG3) evaluated for Operational Implementation</p>	<p>FY12Q3 (pending AWRP funding)</p> <p>Ongoing - Feb 2012</p> <p>FY12Q4 (pending AWRP funding)</p>
Science & Technology	Assert AWC's rightful role as equal partner with research institutions	A GOES-R/AWT Scientist position established through the Cooperative Institute for Meteorological Satellite	Ongoing - Selection process

		<p>Studies (CIMSS) to accelerate improvements in aviation satellite meteorology</p> <p>Establish a new multi-year Interagency Agreement between the AWC and FAA for support of the Aviation Weather Research Program (AWRP)</p>	Ongoing - Met with AWRP Nov 2011
Science & Technology	Continue AWC's scientific visitor program	<p>Provide Civil Aviation Administration of China meteorologists with training in AWC operations, products, services, and meteorology during a comprehensive guest training program</p> <p>Establish two desks staffed by forecasters on temporary assignment from Asia to produce aviation weather forecasts for Asia.</p>	<p>Complete - October 2012</p> <p>Proposed</p>
Science & Technology	Populate an Impacts Catalog for the FAA's ATCSCC.	FAA Aircraft Situation Data for Industry (ASDI) data acquired in real-time and available for aviation impact	Ongoing - Feb 2012

		<p>studies</p> <p>Establish SREF winter weather impact thresholds for precipitation and visibility for Core 30 airports</p>	Complete - Defined by CDM WET
Science & Technology	Become involved in the Warn On Forecast program and its application to products and services, e.g. SIGMETs.	Attend the WOF Workshop in Norman	Feb 2012
Science & Technology	Make a concerted effort to get the current focus on "R" to a more results-oriented focus of R2O and O2R.	TBD	
Business Processes	AWC keep in regular contact with its UCACN liaisons	Actively participate at UCACN annual review meeting	Maxson attending Jan 2012 UCACN Meeting
Business Processes	Address physical space limitations at the AWC	Establish new cubicle office space to support new AWT staff	Ongoing - Agreement with NWSTC, CRH, and NWSEO
Business Processes	Write a new Vision and Mission Statement motivating all AWC personnel to work toward a positive future for the AWC.	FY13: Develop a new strategic plan	FY13