

NCEP Ocean Prediction Center (OPC) (April 22, 2011)

	Planned Action	Status	Target Time Frame (S/M/L)
Work with NOS, expanding into Ecological Forecasting (MV1, MV2, CP1, CP4)	<ol style="list-style-type: none"> 1) OPC is part of the “enabling” infrastructure 2) Contribute to NCEP-NOS operational ecological forecasting modeling Concept of Operations (CONOPS) 3) Will develop an EFS Concept of Services 	<ol style="list-style-type: none"> 1) NWS Strategic Plan (Service 20/20) 2) ConOps for operational modeling completed (April/May 2010) 3) 1st draft complete. Under further discussion w/ NWSHQ 	<ol style="list-style-type: none"> 1) completed 2) completed 3) Completed
Accelerate the development of GFE capability for service enhancements (PS1, PS2)	<ol style="list-style-type: none"> 1) Enhance OPC-TAFB synergy, expand to include HFO. 2) Implement GFE for operations 3) Develop new operational paradigm in the gridded world. 	<ol style="list-style-type: none"> 1) Agreement with HFO and NWSEO achieved, RLC approval: Dec. 2010 2) GFE IOC in FY10; GFE-lite FY11Q3. 3) AWIPS-2 transition: FY11/FY12 4) Conceptual formulation of future operational paradigm under way 	<ol style="list-style-type: none"> 1) Completed 2) On-track 3) On-track 4) GFE FOC on AWIPS-2: FY12; New paradigm: FY12/13 (M/L)
Expansion of NDFD to include Marine Domain (IS5, IS6)	OPC is leading and coordinate NWS-wide “marine grids” effort involving OPC, TAFB, AR, and PR.	<ol style="list-style-type: none"> 1) Establishing Marine grids 2) Implementing GFE in AWIPS-2 	<ol style="list-style-type: none"> 1) Completed. 2) FY12-13: GFE FOC(M-L)
Enhance its web development/technical development capability. (IS1, IS2, IS3, IS4, IS7)	<ol style="list-style-type: none"> 1) The OAB GS-7 position is designated to be a primary in-house resource on web services. 2) OPC will ask work with NCO on centralized Web Service development/support approach 3) Leveraging partners to continue web enhancements 	<ol style="list-style-type: none"> 1) Upgraded a GS-13 in OAB 2) Hired Chris Juckins in OAB 3) Joint AR-OPC Arctic page to support marine operations 	<ol style="list-style-type: none"> 1) Completed. 2) Completed. 3) completed
Enhance R2O, O2R efforts (ST1, ST3)	<ol style="list-style-type: none"> 1) Continue the ongoing R2O efforts with Navy, NESDIS, and NOPP partners. 2) Participating MISST-2 team w/ EMC 	<ol style="list-style-type: none"> 1) NCEP/Navy global HYCOM (NAVO) available for OPC 2) MISST-2 proposal successful 3) Develop an Ocean-Coastal modeling testbed at OPC 	<ol style="list-style-type: none"> 1) Competed 2) Completed. 3) The testbed conceptual framework FY11-12
Enhance the use of ensembles to incorporate uncertainty information (ST4, ST5, ST8)	<ol style="list-style-type: none"> 1) An ensemble based probabilistic wind warning graphic product is under development 2) OPC will actively participating future ensemble model evaluation activities 3) Develop probabilistic forecast for beyond day-5 	<ol style="list-style-type: none"> 1) Prototype in FY10 2) OPC/HPC/EMC framework for model evaluation 3) Under development 	<ol style="list-style-type: none"> 1) Complete. 2) Ongoing-complete 3) FY12/13- (M/L)
Improving verifications (ST6)	Working with the verification branch (NWSHQ) to enhance verification capability using new data source, e.g., altimeter significant wave height measurements for high seas areas.	<ol style="list-style-type: none"> 1) OPC is developing verification capability to use altimeter significant wave height for high seas areas 2) Posting monthly buoy verification on web 	<ol style="list-style-type: none"> 1) Completed 2) On-track
Enhance OPC’s role in ocean Observations (ST7)	OPC will continue to engage EMC, NOAA (e.g., TPIO) and the international community (WMO, JCOMM) on observing requirements and	<ol style="list-style-type: none"> 1) Leading NWS evaluation for OSCAT 2) Contributing to WMO RRR through leadership on JCOMM activities 	<ol style="list-style-type: none"> 1) Complete. 2) Complete. 3) Complete

	evaluation, including WMO RRR	3) Arctic in situ obs	
Evolving staff skill sets toward future services (POC1, POC2, POC3)	<ol style="list-style-type: none"> 1) Encourage staff to participate training on coastal oceanography and coastal marine ecosystems. 2) Integrate OFB and OAB activities toward a forecaster-developer paradigm in the future 	<ol style="list-style-type: none"> 1) Encourage staff participation of the UMD program. 2) Recruiting expertise including oceanography and other areas 3) Plan for forecaster-developer paradigm in the AWIPS-2 /IDSS era. 	<ol style="list-style-type: none"> 1) FY11 and beyond (S /M /L) 2) Significant progress (Siebers, Juckins) 3) AWIPS-2 training on-track

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