NCEP Central Operations (NCO)
5-Year Implementation Plan
FY 2009 – 2013

NCO Mission
- Execute the NCEP operational model suite
    – Create climate, weather, ocean, space and environmental hazard products
- Manage improvements to the NCEP model suite
    – Support the research, development, and transition of new or enhanced models to operations
- Develop meteorological software
    – Used by the NCEP Centers to create forecaster generated products
- Manage the flow of data and products
    – To and from the NCEP centers, partners, and customers

NCO Vision
- Set the standard for information technology excellence for the NWS
- Serve as a valued technical asset for the NWS and NOAA in defining and accomplishing their mission goals
- Become as renowned for IT management as NCEP is for scientific excellence

5-Year Implementation Plan (by NCEP Strategic Plan Goal)
Customers and Partners
Ensure the value, usability and relevance of NCEP products and services.

Milestones	FY09	FY10	FY11	FY12	FY13
Deploy OCWWS/SPPO/NCEP Products, Customers and Services System 1.2		X			
Use NCEP User Requirements Process 1.1	X	X	X	X	X
Participate in COPC activities to facilitate and align NCEP's IT infrastructure 1.2	X	X	X	X	X
Participate in national and international data formatting and exchange activities 1.2	X	X	X	X	X
Improve notification, coordination and requirement	X	X	X	X	X

solicitation with all partners 1.2					
Respond to all customer's requests and concerns quickly and professionally 1.1	X	X	X	X	X
Provide NCEP Alternate Processing Site Initial Capabilities 1.2	X				
Develop NCEP Alternate Processing Site Full Capabilities 1.2			X	X	

Products and Services

Improve decision support capability to meet the widest spectrum of user and partner needs.

Milestones	FY09	FY10	FY11	FY12	FY13
Develop NCEP's Enterprise Architecture Program 2.3	X				
Ongoing support for the NCEP's Enterprise Architecture Program 2.3		X	X	X	X
Provide NCEP Alternate Processing Site Initial Capabilities 2.1	X				
Develop NCEP Alternate Processing Site Full Capabilities 2.1			X	X	
Support AWIPS-II for NCEP centers 2.1			X	X	X
Improve the	X	X	X	X	X

quality and timeliness of all model and product implementations 2.1					
Meet all agency scheduling and quality goals and expectations 2.2	X	X	X	X	X
Work to provide products and services that best meet partner's needs, expectations and capabilities 2.3	X	X	X	X	X
Monitor, manage, operate and maintain the system and software that creates and distributes all model products. 2.1, 2.2	X	X	X	X	X
Consolidate IT infrastructure where possible 2.3	X	X	X	X	X
Utilize network capacity for providing services to other NOAA agencies 2.3		X	X	X	X
Scale network capacity to meet on-time delivery demands 2.1		X	X	X	X
Web-based and model development and	X	X	X	X	X

implementation 2.1					
Removal of legacy graphics products from AWIPS and Public Data Servers 2.1	X				

Access, Display and Delivery (Information)
Enhance the *real-time, on-time, all the time* access, display and delivery of NCEP products and services.

Milestones	FY09	FY10	FY11	FY12	FY13
Enhance and Support NCEP's NOMADS Capabilities 3.3	X	X	X	X	X
Provide 7X24X365 Support for NCEP Web Services 3.2	X	X	X	X	X
NPP/NPOES/GOES-R Data acquisition and decoder development 3.6, 4.6	X	X	X	X	X
Level-II radar data Products 3.6, 4.9	X	X	X	X	X
NAWIPS to AWIPS-II transition 3.7	X	X			
Support transition of MADIS processing to OCCS 3.6, 4.6	X	X			
Enhance NCEP's presence on the web through new technologies and data formats 3.2	X	X	X	X	X
Streamline/Unify NCEP data acquisition across all centers 3.1, 3.9	X	X	X		
HSPD-12 Implementation 3.8				X	
Deploy 2 Factor Authentication for	X remote only	X local			

remote and local access to NCO network 3.8					
Deploy Web Proxy server with content filtering software 3.8	X	X			
Develop and test Contingency Plan. Maintain, update and provide yearly testing 3.8	X	X	X	X	X
Develop strategy and implement plan to scan and authenticate laptops connecting to NCO network 3.8	X	X	X		
Provide continuous monitoring of NCEP systems and continue to provide updates referred to on POAM 3.8	X	X	X	X	X
Strive to meet 100% on time delivery and access to all center generated products 3.1	X	X	X	X	X

Science and Technology
Accelerate science and technology infusion to enhance the value of NCEP guidance, analyses, forecasts
and warnings over all spatial and temporal scales.

Milestones	FY09	FY10	FY11	FY12	FY13
Next Generation Supercomputer Acquisition Issue RFP 4.1-4.8	X				
Next Generation Supercomputer Acquisition Contract Award 4.1-4.8			X		
Next Generation Supercomputer					X

Acquisition Go Live 4.1-4.8					
Operational CCS Upgrade Deployment and Go Live 4.1-4.8	X				
Operational CCS Upgrade Maintenance 4.1-4.8		X	X	X	X
Use Dual Polarization Radar Observations System's Data 4.6			X		
Prepare to Use GOES-R Observation System Data 4.6					X
NPP/NPOES/GOES-R Data acquisition and decoder development 4.6	X	X	X	X	X
Develop Level-II radar data Products 4.9	X	X	X	X	
Support transition of MADIS processing to OCCS 4.6	X	X			
Support model suite enhancements on the OCCS 4.0	X	X	X	X	X
Support NCWCP Building Relocation Planning and Preparation 4.8	X				
NCWCP Building Relocation Completed 4.8		X			
Provide NCWCP Building IT Infrastructure Support 4.8			X	X	X

Human Capital and Organizational Culture
Develop, value and sustain a highly skilled and flexible workforce that excels in service, teamwork and innovation.

Milestones	FY09	FY10	FY11	FY12	FY13
Maintain Individual Development Plans for NCO personnel 5.3	X	X	X	X	X
Commit a percentage of NCO's total budget for the growth and development of the NCO staff 5.6	X	X	X	X	X
Promote the expansion of AWS and telework scheduling options 5.7	X				
Maximize the use of human resources through tailored development plans and training programs 5.3	X	X	X	X	X

Business Processes
Strengthen and integrate business processes that encourage innovation, manage change, promote efficiency,
and hold individuals accountable for results at all levels.

Milestones	FY09	FY10	FY11	FY12	FY13
Conduct Annual NCO IT Planning 6.3	X	X	X	X	X
Actively use NCO Portfolio and Project Management methods 6.1	X	X	X	X	X
Use NCEP	X	X	X	X	X

User Requirements Process 6.5					
Actively engage in NOAA Program Office's activities and the NOAA PPBES process 6.2	X	X	X	X	X
Prepare NCO Annual Operating Plan to map NCO capabilities to NCEP goals and deliverables 6.3	X	X	X	X	X
Provide Ongoing Support of NCO 5-yr Strategic Plan 6.3	X	X	X	X	X
Streamline all IT processes to make most efficient use of existing resources 6.4	X	X	X	X	X
Incorporate new technology as it is appropriate to improve efficiency and reduce costs 6.4, 6.5	X	X	X	X	X