

***NATIONAL WEATHER SERVICE POLICY DIRECTIVE 80-4
APRIL 8, 2004***

Science and Technology

SCIENCE AND TECHNOLOGY PLANNING AND PROGRAMMING

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OPR: W/OST12 (P. Hirschberg)

Certified by: W/OST (J. Hayes)

Type of Issuance: Initial

SUMMARY OF REVISIONS: None.

1. Planning and programming the infusion of science and technology (S&T) into the National Oceanic Atmospheric Administration's (NOAA) National Weather Service (NWS) operations supports accomplishing the NWS mission by providing standard documentation and information on the cost, schedule, and performance of developing and implementing S&T solutions to meet operational requirements.
2. The objective of this directive is to establish the organizational, management, and procedural framework for planning and programming S&T improvements to satisfy operational requirements. This framework supports the NWS Operations and Services Improvement Process and is linked to the NOAA Planning, Programming, Budgeting and Execution System (PPBES).
3. This directive establishes the following authorities and responsibilities:
 - 3.1 The Office of Science and Technology (W/OST) will establish national policies and procedures regarding NWS S&T infusion.
 - 3.2 W/OST and the Office of Hydrologic Development (W/OHD) will:
 - a. Manage and monitor the planning and programming of NWS S&T infusion.
 - b. Ensure planned and programmed changes to national NWS S&T are in the NWS S&T Infusion Plan.
 - c. Ensure S&T planning and programming linkages to the NWS and NOAA strategic plans, operations and services improvement process and the NOAA PPBES.

- 3.3. All NWS Offices and Regions will:
- a. Identify potential S&T solutions and opportunities for national implementation that meet NWS requirements and mission goals.
 - b. Coordinate with W/OST and W/OHD, as appropriate, to assist in implementing new S&T to improve operations and services.
4. Performance measure: W/OST and W/OHD, as appropriate, will track the timeliness of the planning and programming activities.
5. This policy directive is supported by the references and glossary of terms listed in Attachment 1.

Signed by _____ March 25, 2004
Brigadier General David L. Johnson, USAF (Ret.) Date
Assistant Administrator for Weather Services

Attachment 1

REFERENCES AND GLOSSARY OF TERMS

References

NWS Policy Directive 10-1, *Operations and Services Improvement Process*
NWS Policy Directive 10-30, *User Needs and Scientific/Technologic Opportunities*
NWS Policy Directive 10-31, *Operational Requirements Validation*
NWS Policy Directive 30-1, *Systems Deployment, Maintenance, and Assessment*
NWS Policy Directive 80-1, *Acquisition Program Management*
NWS Policy Directive 80-3, *Systems Engineering*
NWS Policy Directive 80-5, *Science Review and Approval*
NWS Policy Directive 80-6, *Research and Analysis for Improving Operations and Services*
NWS Policy Directive 80-8, *Development For Improving Operations and Services*

Glossary

Infusion. The continuing, evolutionary process by which any organization or system maintains its health and improves its performance through the disciplined incorporation of new ideas, procedures, and capabilities.

NOAA Planning, Programming, Budgeting and Execution System (PPBES). A formal, systematic structure for making decisions on policy, strategy, capability development/deployment, and resource allocation to accomplish NOAA's mission. It is a cyclic process containing three distinct, but interrelated phases: planning; programming; and budgeting.

Operational Requirements. A validated capability meeting an operational need.

Operations and Services Improvement Process. A process described in NWSPD 10-1 to ensure an integrated effort to improve NWS operations and services.

S&T Infusion Plan. Plan, published and updated by W/OST, that identifies and tracks S&T candidates for national implementation.