National Oceanic and Atmospheric Administration
Information Resources Management Strategic Plan Refresh
2017-2020

October 7, 2019

Purpose

Information Technology (IT) is integral to the success of NOAA's mission. The purpose of this Strategic Plan is to identify the high level Goals, Principles, and Objectives that drive the NOAA IT community to improve the long term capability, performance, and services of the IT enabled operations and functions of NOAA. It is supported by four other plans: 1) High Performance Computing Plan, 2) Cybersecurity Roadmap, 3) Network Optimization Plan, and 4) Data Center Optimization Plan.

Vision

A secure, efficient, agile, and inclusive information enterprise with advanced computing capability that protects and propels NOAA's scientific and operational missions.

Principles

1. Develop, manage, and operate IT services from an enterprise perspective
2. Consolidate IT functions and services, short of the mission-specific function or application
3. Explore and promote opportunities to expand cloud-based services
4. Establish a smart, effective, efficient, risk-based approach to compliance and information systems security
5. Be prepared, responsive and resilient to mission threats
6. Produce effective and efficient IT solutions that are customer-centered
7. Maintain an agile, responsive, and service-oriented posture
8. Leverage commercial economies of scale and scope in all acquisitions
9. Promote a diverse and inclusive IT staff

Approval

The NOAA IRM Strategic Plan was originally adopted by the NOAA CIO Council on May 1, 2017. In Q4 of FY19, OCIO led a "Strategic Plan Refresh" initiative to measure progress and evaluate alignment of the IRM Strategic Plan. This document represents the result of that effort.

October 10, 2019
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NOAA Information Resources Management (IRM) Strategic Plan Refresh 2017-2020

Goal 1: Advance the Mission Using Innovative IT
Objectives
1.1 Manage NOAA High Performance Computing (HPC) to facilitate research & development (R&D), operations, and the transition of research to a broad range of NOAA applications
1.2 Modernize NOAA networks
1.3 Leverage modern Big Data and Cloud platform technologies to increase the use of NOAA data while reducing NOAA's infrastructure costs

Goal 2: Protect the Mission
Objectives
2.1 Strengthen NOAA cyber security capabilities
2.2 Promote Primary Mission Essential Functions (PMEF) resiliency and eliminate single points of failure
2.3 Provide effective cyber security services
2.4 Ensure access to spectrum that enables the NOAA life and property mission

Goal 3: Achieve Excellence in IT Service Delivery
Objectives
3.1 Implement a service delivery model that exceeds customer expectations
3.2 Leverage shared infrastructure and economies of scale offered by cloud computing to provide efficient, agile and innovative IT service delivery
3.3 Employ a robust and transparent governance process to support all customers
3.4 Implement and maintain a robust IT infrastructure
3.5 Implement and utilize a strategic IT planning and acquisition approach to enhance IT service delivery and meet NOAA's technology, contracting, and financial goals

Goal 4: Enable the IT Workforce
Objectives
4.1 Enhance the work environment to promote efficiency and effective workplace collaboration
4.2 Create a diverse and inclusive workforce
4.3 Implement innovative workplace training programs