

Requirements Management for the National Ocean Service

25 April 2005

**Presented to
Great Lakes Coastal Managers
Needs Assessment Focus Group**

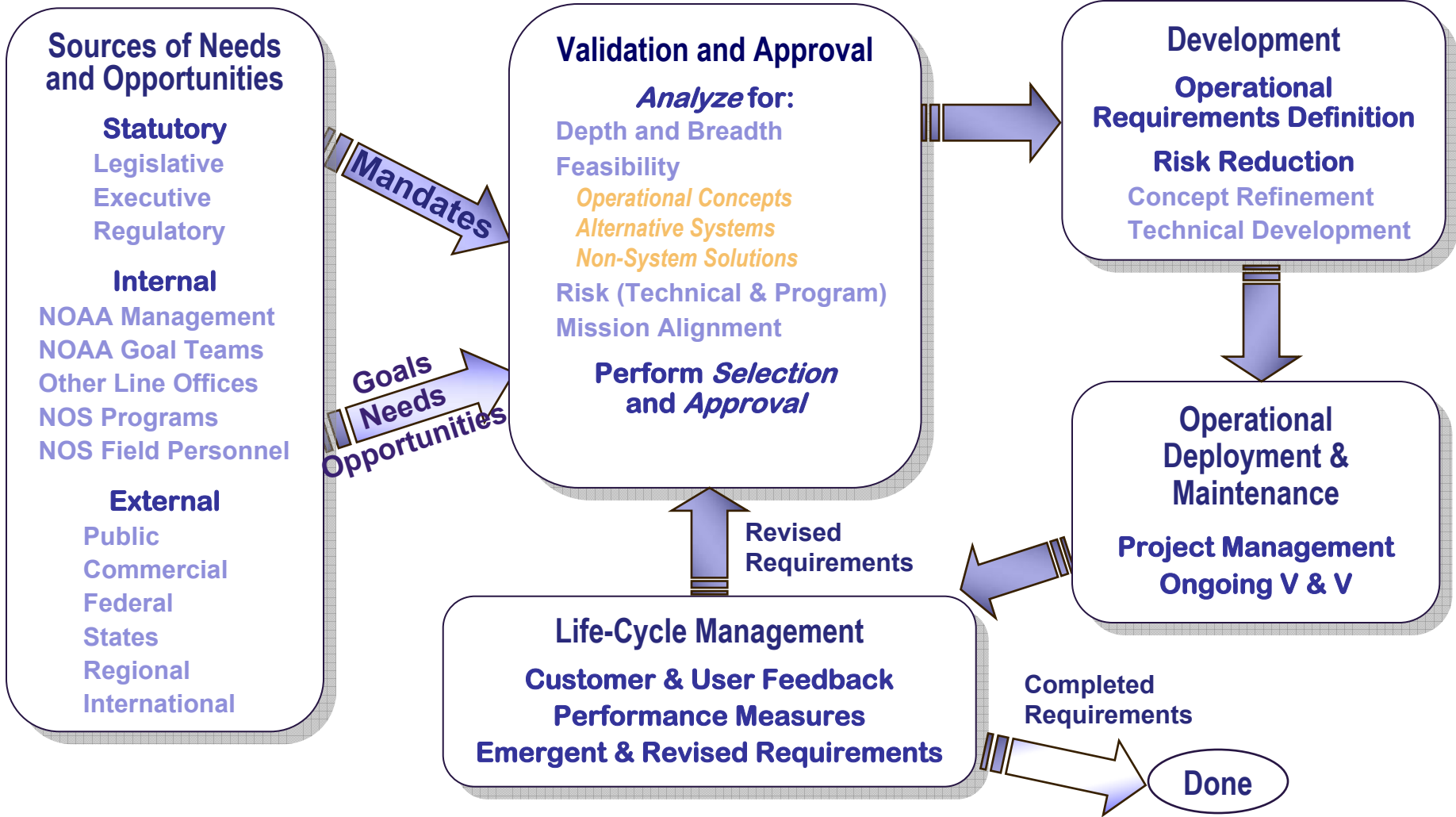
Background

- **NOAA is implementing a requirements-based management process**
- **Process needed to**
 - **Determine and validate mission requirements**
 - **Support traceability over time**
 - **Guide investment decisions**
 - **Ensure solutions implemented support**
 - **Mission requirements**
 - **Customer needs**
 - **Improve portfolio management**
 - **Help with project oversight**
- **National Ocean Service must get on board**

Mitretek Systems Tasking

- **Develop a requirements management process for the National Ocean Service**
 - **Consistent with NOAA-level process and policy**
- **Prepare requirements documentation for the Integrated Ocean Observing System (IOOS)**
 - **Mission, program, and operational requirements**
 - **Traceable up and down**
 - **Cases considered**
 - **Marine transportation**
 - **Coastal management**
 - **Estuarine Research Reserves**
 - **National Marine Sanctuaries**

Elements of a Requirements Management Process



What are Requirements?

- **There is established the National Marine Sanctuary System, which shall consist of national marine sanctuaries designated by the Secretary (NMSA Section 301)**
- **The Secretary shall conduct, support, or coordinate research, monitoring, evaluation, and education programs consistent with the requirements of the NMSA (NMSA Section 309)**
- **There is established the National Estuarine Research Reserve System (CZMA Section 315)**
- **The Secretary shall develop guidelines for the conduct of research within NERRS that includes the items specified in the Act (CZMZ Section 315)**
- **The Secretary shall conduct a program of technical assistance and management-oriented research necessary to support the development and implementation of State coastal management program amendments under section 309 (16 USC Section 1456b), and appropriate to the furtherance of international cooperative efforts and technical assistance in coastal zone management (CZMA)**

Developing Requirements for IOOS

- **Document end user needs for 4 user communities**
 - **Published information**
 - **Interviews**
- **Identify the subset that could be satisfied by IOOS**

What do we need to know?

- **What are the main activities you do that require or could benefit from environmental observations?**
- **To what extent are your observation-based needs met today?**
- **How might integration of observations help you do your job better?**

What does all this mean to you?

- **NOAA is implementing requirements-based management**
 - You will be affected by process
 - Linking your needs to this process will be positive for you
- **IOOS is coming**
 - Now is the time to get involved
 - NOAA needs to know user needs
 - Stakeholder input to requirements is crucial to get the right system in place the first time