



2006 CLASS Industry Day

# NOAA Acquisition & Grants Office and NOAA National Environmental Satellite, Data, and Information Service

- **WELCOME**





# General Information



2006 CLASS Industry Day

- Restrooms are located:  
Out the main door to the conference room  
and to the right



# General Information



2006 CLASS Industry Day

- Emergency Evacuation:  
Out the conference room, through the security guards, down the exit ramp



# General Information



2006 CLASS Industry Day

- Dining facilities:  
1<sup>st</sup> Floor of the new Census Building

**You are Here**



**Census Entrance**



# Questions and Administrative Notes



2006 CLASS Industry Day

- Questions may be submitted after this conference by email
- Submit questions to [CLASSRFI2006@noaa.gov](mailto:CLASSRFI2006@noaa.gov)
- An attendee list will be posted to [www.fedbizopps.gov](http://www.fedbizopps.gov)
- An electronic copy of the slide presentation will be posted to [www.fedbizopps.gov](http://www.fedbizopps.gov)



# INDUSTRY DAY AGENDA



## 2006 CLASS Industry Day

<b>TIME</b>	<b>TOPIC</b>	<b>PRESENTER</b>
9:00-9:15	Registration	
9:15-9:40	Welcome	Mr. Brendon Johnson
9:40-09:55	AGO Overview	Mr. Jack Salmon
09:55-10:15	NESDIS Overview	Mr. Zachary Goldstein
10:15-11:00	CLASS Program	Mr. Rick Vizbulis
11:00-11:30	CLASS Contracting Strategy	Mr. Brendon Johnson
11:30-11:40	Closing Remarks	Mr. Brendon Johnson
11:40-12:00	Networking Opportunity	



# Objectives for Industry Day



2006 CLASS Industry Day

- Introduce the Project Team
- Share the vision for CLASS requirements and the associated procurement strategy
- Research the marketplace
- Encourage industry participation
- Foster exchange of ideas and best practices in order to get the best possible solution to Government requirements



# NOAA Vision

2006 CLASS Industry Day

## **NOAA's Vision**

“An informed society that uses a comprehensive understanding of the role of the oceans, coasts and atmosphere in the global ecosystem to make the best social and economic decisions”





# NOAA Mission



2006 CLASS Industry Day

## **NOAA's Mission**

“To understand and predict changes in the Earth’s environment and conserve and manage coastal and marine resources to meet our nation’s economic, social and environmental needs”



2006 CLASS Industry Day

# NOAA Acquisition & Grants Office (AGO) Overview

NOAA Acquisition and Grants Office  
Eastern Region Acquisition

Mr. Jack Salmon

Director

October 2, 2006



# NOAA Acquisition and Grants Office (AGO)



2006 CLASS Industry Day

- What we do
  - Our Mission: To acquire quality products and services, at a reasonable price, and to process and administer financial assistance awards in support of the agency mission to meet our customers' needs, on a timely basis, in a courteous manner, consistent with public policy
  - Manage over \$2 Billion in Contracts and Grants



# NOAA Acquisition and Grants Office (AGO)



2006 CLASS Industry Day

- Who we are
  - An acquisition and financial assistance office consisting of ten (10) Acquisition Divisions, a Grants Office, and the Director's Office
  - [AGO Directors Office](#)
  - Acquisition Divisions
    - Regional
      - [Eastern Region Acquisition](#)
      - [Central Region Acquisition](#)
      - [Mountain Region Acquisition](#)
      - [Western Region Acquisition](#)
    - Silver Spring
      - [High Performance Computing Acquisition Division](#)
      - [NESDIS Acquisition Division](#)
      - [NOS- NMFS-OAR Acquisition Division](#)
      - [NWS Acquisition Division](#)
      - [Satellite Acquisition Division](#)
      - [Staff Offices & External Clients Acquisition Division](#)
  - [Grants Management Division](#)



# Eastern Region Acquisition



2006 CLASS Industry Day

- What we do
  - The Acquisition Division acquires property and non-personal services (including information technology, ship repair, construction, and utilities) through purchasing, leasing (except real property leasing), interagency agreements, and contracting. This includes requisitioning from other Government sources and the use of simplified acquisition procedures (acquisitions of \$100,000 or less) as well as formal contracting procedures. The Division also performs contract administration services to ensure compliance with the provisions of awarded contracts as a part of its overall procurement service to its clients.



# Eastern Region Acquisition



2006 CLASS Industry Day

- Who we are
  - Eastern Region Acquisition – provides acquisition support to NOAA and DOC clients on the East Coast from the State of Maine to the territory of the U.S. Virgin Islands



2006 CLASS Industry Day

# NESDIS Overview

## Making CLASS Enterprise-wide

Mr. Zachary Goldstein  
NESDIS Chief Information Officer  
October 2, 2006



# Making CLASS NOAA-wide



## 2006 CLASS Industry Day

- NOAA's National Environmental Satellite, Data and Information Service (NESDIS) mission includes
  - satellite operations and products for weather forecasting, climate science and search and rescue
  - operating NOAA's three national data centers - archive and provide scientific stewardship of NOAA climate, ocean and geophysical data
- CLASS as the enterprise solution for archive support
  - NESDIS created CLASS as a common solution for large array data sets – demonstrates cost-avoidance among satellite data archives (one archive, multiple data sets)
  - NOAA CIO Council designated CLASS as the solution for future observation system archives and current archives when cost-effective





# Enterprise-wide Rationale



2006 CLASS Industry Day

- Leverage large investment planned for CLASS
  - Pay once for common archive functions such as ingest, metadata management, and enabling access
  - Storage and marginal changes to common functions are incremental costs
  - OMB and DOC expect NOAA to leverage large investments across multiple requirements
    - OMB Lines of Business initiatives in IT and geospatial
- NOAA Strategic IT plan - CLASS as enterprise archiving solution
- CITRB Delegation of Procurement Authority requires and provides contract ceiling to support CLASS enterprise-wide



# Enterprise-wide Attributes



## 2006 CLASS Industry Day

- Single face available for NOAA archives, irrespective of data owner or location
- CLASS scope expanding from large-array data to any observational data
  - Wide variety of data sets -- size, observation type and associated metadata
  - Reduced time from requirement identified to data accessible in an archive
  - Programs should not spend funds to determine if CLASS can meet program needs



# Enterprise-wide Attributes



2006 CLASS Industry Day

- Focus on new archives or future data ingest
  - CLASS PM evaluates requirements and plans accordingly
  - CLASS PM range of architectural options could include
    - CLASS system hardware is the exclusive physical location of the data, to
    - “Non-CLASS” computers provide access to data and CLASS services
- Existing archives to migrate if business-case justified



# Enterprise-wide Approach Benefits



2006 CLASS Industry Day

- Single, secure access point for NOAA archives
- Only one NOAA archiving support system project
- Data owners relieved of archive IT system development and operations issues
- Economies of scale to address acquisition, security, and project management for any archiving requirement
- Reduces the number of archiving IT projects to manage



# CLASS in GEOSS



## 2006 CLASS Industry Day

- **Global Earth Observation System of Systems (GEOSS):**
  - NOAA and federal partners, more than 60 countries and the European Commission developing a global monitoring network as integrated as the planet it observes, predicts and protects.
- **Global Earth Observing Integrated Data Environment (GEO IDE):** NOAA's project to create a single interface to and interoperability among NOAA observing data information systems
- **CLASS to use NOAA-wide GEO IDE products**
  - Incorporate GEO IDE data standards as available
  - GEO IDE for integration with
    - non-archival information systems
    - legacy archives if not economical to migrate to CLASS



# Enterprise-wide Innovation Challenges



2006 CLASS Industry Day

- Architecture supports evolution without rework
  - Support diverse new data sets,
  - Implement new standards
  - Meet enterprise-wide requirements
  - Minimized total cost of ownership
- Dataset owners and stewards use toolsets to perform duties remotely, including managing diverse metadata
- CLASS software components can be developed remotely in a common, quality controlled, configuration managed environment
- Confidentiality, Integrity and Availability result from managing operations and building security into systems
  - True security, not just documentation
  - Fully and economically documented



# **Comprehensive Large Array-data Stewardship System (CLASS)**

**NOAA's Enterprise Archive Storage & Access  
Solution**

**02 October 2006**



- What is the need? -- Description
- What are our existing capabilities and what is the gap?
- Where did this need come from? How well is it documented?
- Who are key customers and stakeholders?
- How does need link to the NOAA mission and strategic plan and other validated requirements?
- What are the CLASS Level 1 Requirements
- What are our existing capabilities & upcoming activities?
- Benefits and performance impacts of meeting this need?





# Source of the Need

## Legislative mandates for NOAA Archive:

- 16 1855 PP.26-28 (1855)
- 15 USC 313 (1890 and 1891)
- Federal Data Quality Legislation (Act) (Public Law 106-554 Section 515) - section 515
- 44 USC 31 PL 81-754 Federal Records Act of 1950 and 1951
- 33 USC 883B
- 15 USC CH29 PL 95-357 (1978) National Climate Program Act
- National Archive and Records Administration (NARA) Regulations and Guidelines
- 36 CFR, Chapter 12, Recordkeeping Requirements
- Global Change Research Act of 1990



# Source of the Need

CLASS requirements reside in the charters for:

- **Climate Observation and Analysis Program**
  - Provide **long-term preservation** of the Nation's Climate Record
  - Provide climate data and information that meets rigorous **scientific standards for quality**
  - Provide **access** to Climate Data and Information related to the state and changing state of the climate system in a variety of formats in an easy and convenient manner to NOAA's customers
- **Science, Technology, and Infusion Program**
  - Provide NOAA operational units with new science applications and technology tools
  - Increase the **application and accessibility** of all types of environmental information



# Strategic Plan Linkage

## Understand Climate Variability and Change to Enhance Society's Ability to Plan and Respond

- Describe and understand the state of the climate system through integrated observations, analysis, and data stewardship
- Increase number and use of climate products and services to enhance public and private sector decision making.

## NOAA Strategic IT Plan

- CLASS as **enterprise IT solution** supporting NOAA archiving

## FY08 Annual Guidance Memo

- Integrated data assimilation and management: archived, interoperable, accessible, and readily usable observations and data products

## Cross-Cutting Priorities

- NOAA's Integrated Global Environmental Observation and Data Management System



# Customers and Stakeholders

## Internal (NOAA)

- NOAA National Data Centers (NNDC)
- Satellite Program GOES, POES, MetOp, etc
- NWS NEXRAD, In-situ
- CIO
- Other Observing System Owners

## External

- U.S. Federal Agencies
- International Agencies
- Private, Public and Academia
- Private Sector Business Units

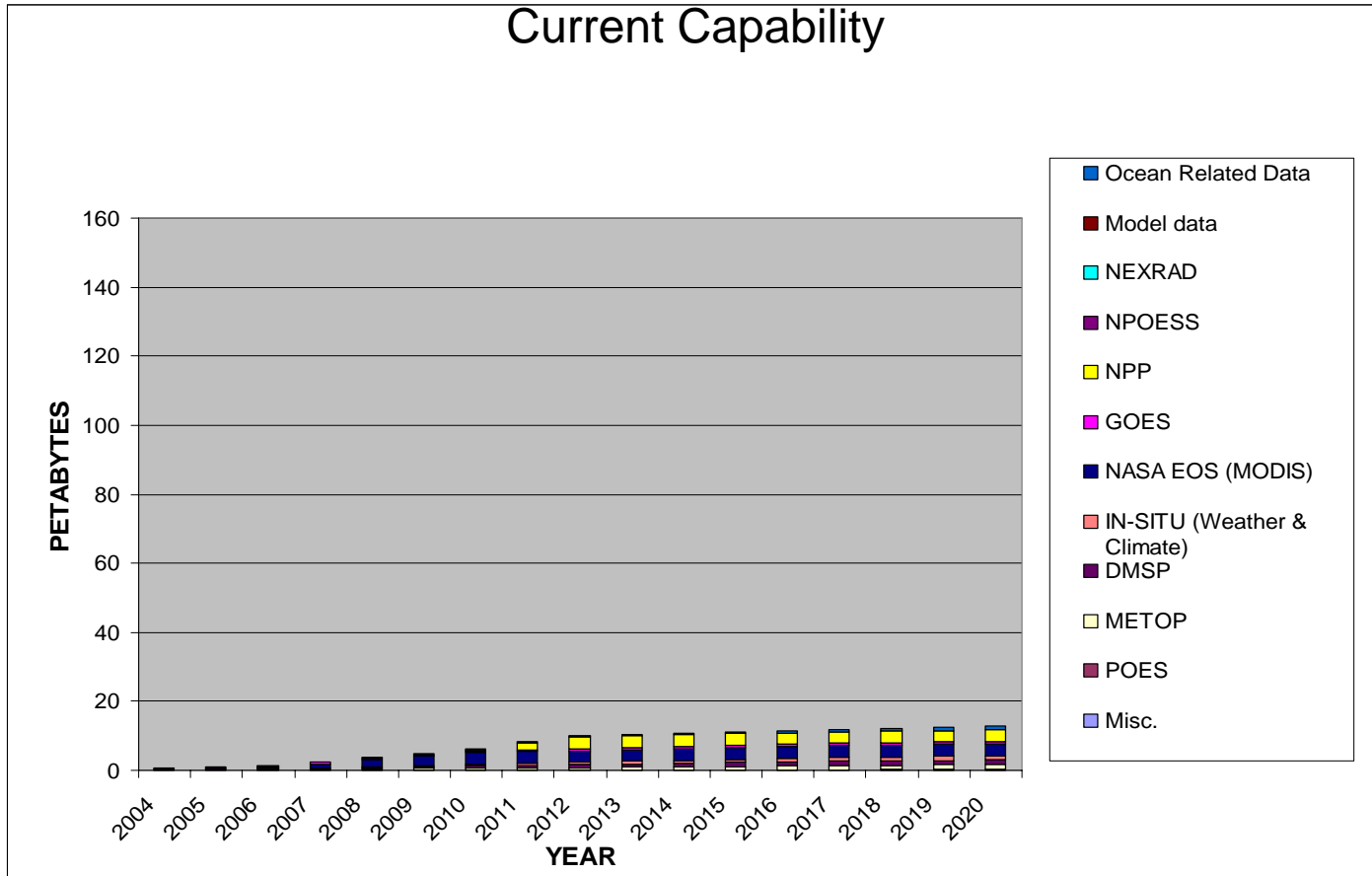


# Gap

- Climate Goal Climate Observation & Analysis –
  - **Data Stewardship** “Inability to integrate archived data from various observing systems and provide climate-related data with adequate information about the how the data was transformed from a specific measurement to data records delivered to the user.”
- NOAA Strategic Information Technology Plan
  - **Enterprise Architecture** All technical and program decisions will be made in the context of the NOAA-wide Enterprise Architecture...numerous ‘stove-pipe’ archive and access systems
- Observing System Data Volumes



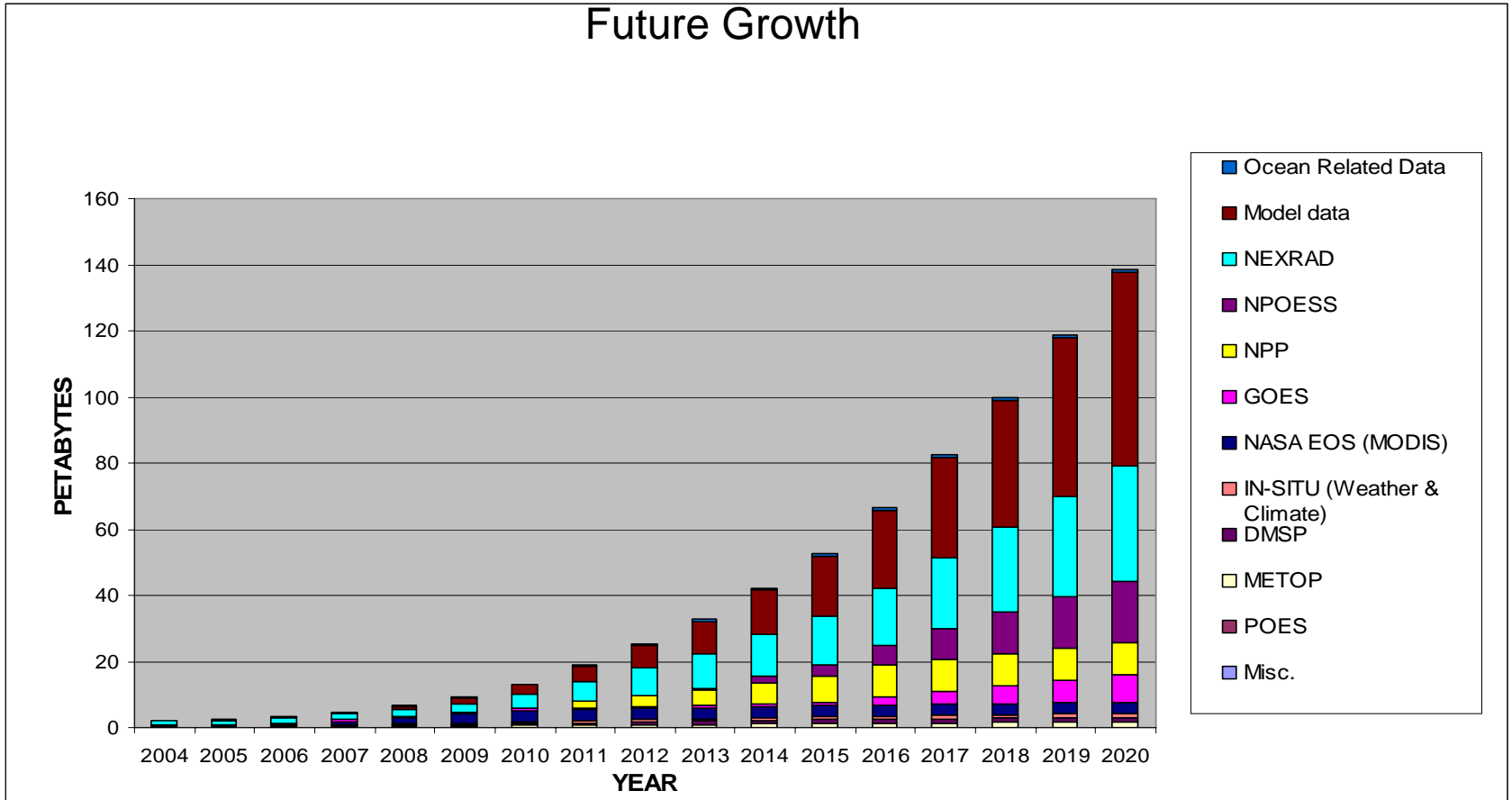
# Gap





# Gap

## Future Growth





# CLASS Level 1 Requirements

- Enterprise solution supporting data archive & science data stewardship missions
- Architecture capable of supporting archive collections as environmental observing systems evolve & grow
- Increase efficiencies associated with archiving environmental datasets by:
  - providing economies of scale to address **acquisition**, **security**, and **project management** for IT portion of NOAA archives;
  - **consolidating stove-pipe**, legacy systems thereby reducing the number of archive-related IT projects to manage; and
  - relieving data producers of archival-related **system development** and **operations** issues





# CLASS Level 1 Requirements

- Support archive mission of NOAA National Data Centers (NNDC)
- IT system supporting long-term secure storage of and access to archived environmental datasets
- Adopt principles of the Reference Model for an Open Archival Information System (OAIS)
- Work directly with the NNDC in negotiating and effecting Submission Agreements, ICDs, ConOps with Producers (aka. Observation System Owners)

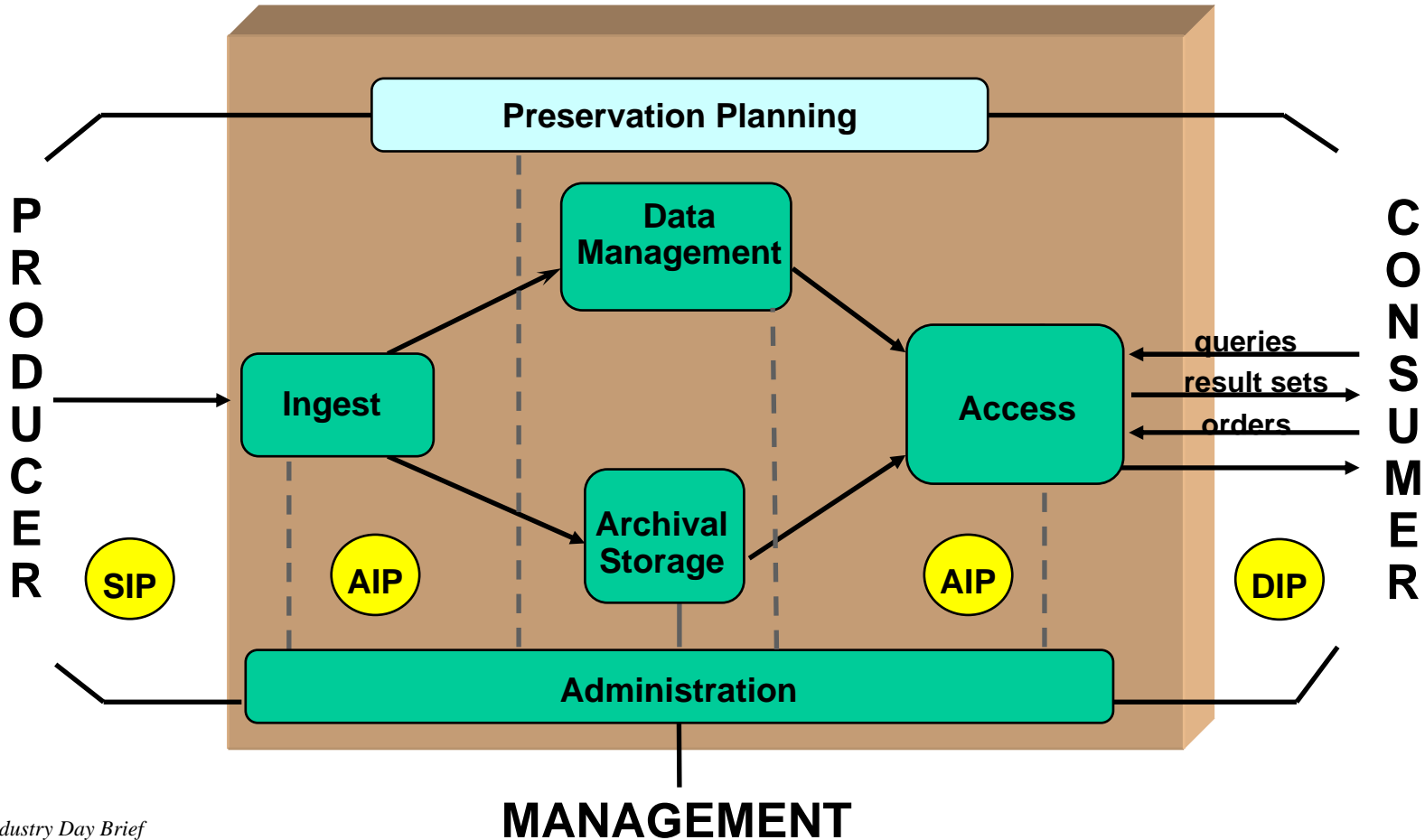


# CLASS Level 1 Requirements

- Support data delivery to Science Data Stewardship systems
- Apply emerging standards of the Global Earth Observing Integrated Data Environment (GEO-IDE) to support integration with legacy & evolving systems
- Initiate risk reduction pilot programs with GEO-IDE
  - Common interface (API) development
  - Open Archival Information System (OAIS) adoption
  - Metadata standard adoption & repository development
- Demonstrate enterprise capabilities with NNDC prototypes



# Enterprise Functional Entities





# *Enterprise* Transition

- Service-oriented architecture
  - Open, stable interfaces
  - Interoperability
  - Scalability, flexibility, distribution
  - Ease of Integration
  - Support for heterogeneity
  - Consistent with GEO-IDE, FEAF/FTF (SCBA)



# Concept of Operations

## Transition to Enterprise System

- Long-Term System Architecture Overview
- “To-Be” System Architecture Definition (in draft)
- Long-Term System Architecture Transition Plan
- System Architecture Reference Manual

## Global Earth Observing Integrated Data Environmental (GEO- IDE) Support

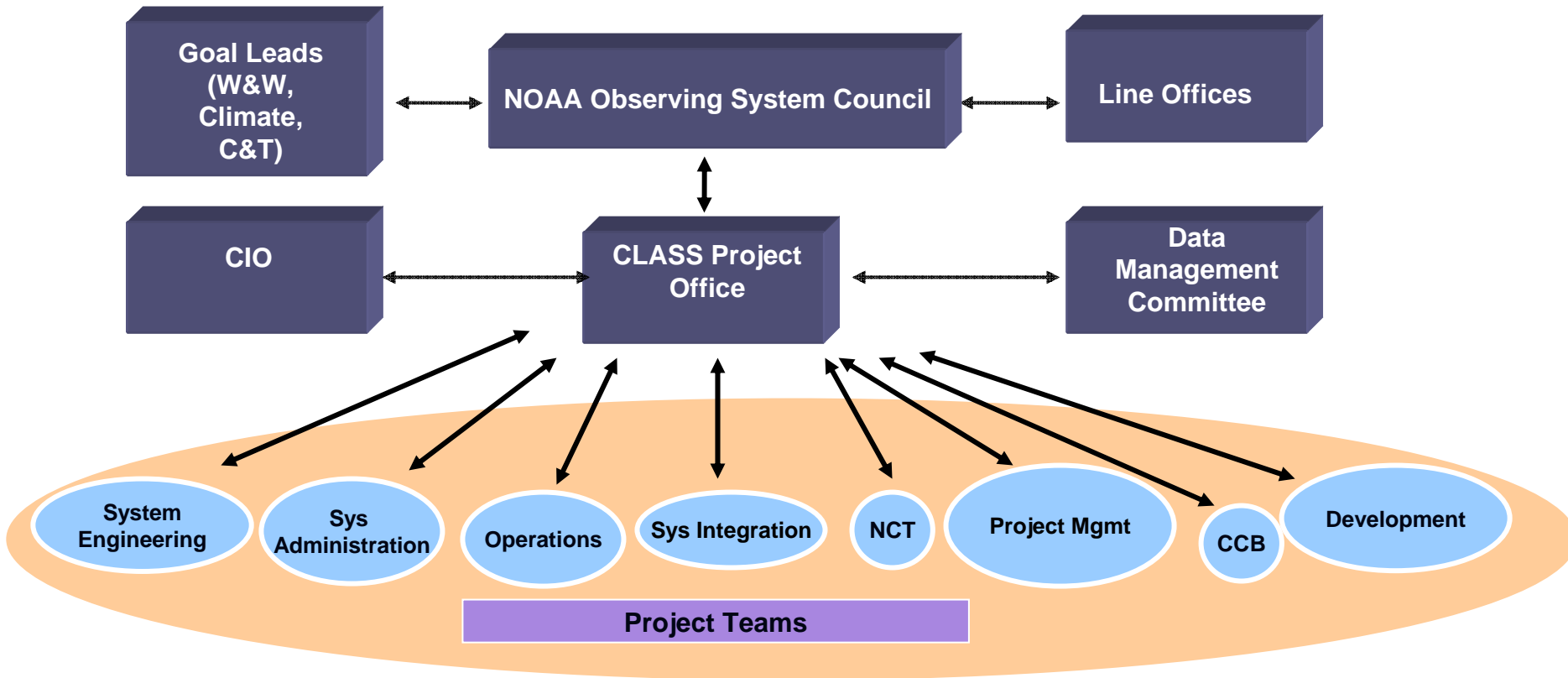
- Common Interface (API) Development (dev. complete)
- Open Archival Information System (OAIS) Standard Adoption
- Metadata Standard Adoption & repository development

## OAIS Implementation

- NNDC Prototype Efforts

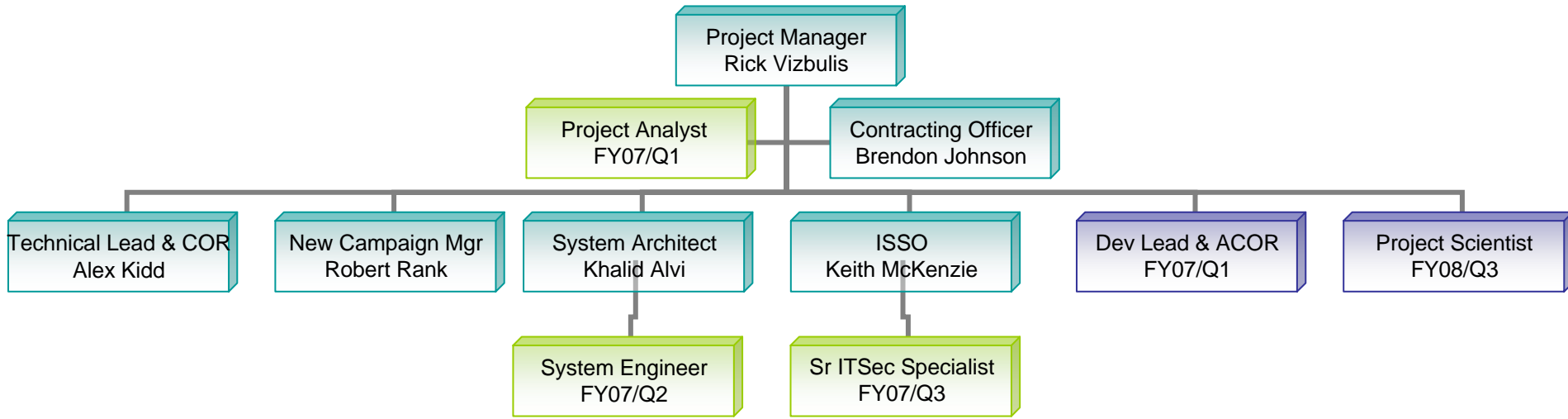


# Governance Model





# CLASS Project Office



Last updated:  
8 SEPT 2006



# Brief History

- CLASS established 2001
  - SAA + GAA → more comprehensive system
  - Focus: large-array data
  - SAA selected as baseline system
- Now designated 'NOAA enterprise IT system for long-term storage and access'
  - New data types, including *in-situ* and model data
  - Focus no longer exclusively on large-array data
  - Strong emphasis on interoperability





# Historical Baseline

## Performance & funding bounded primarily by the large-array campaigns:

- NOAA and Department of Defense Polar-orbiting Operational Environmental Satellites (POES) and Defense Meteorological Satellite Program (DMSP)
- NOAA Geostationary-orbiting Operational Environmental Satellites (GOES)
- National Aeronautics and Space Administration (NASA) Earth Observing System (EOS) Moderate-resolution Imaging Spectroradiometer (MODIS)
- National Polar-orbiting Operational Environmental Satellite System (NPOESS)
- NPOESS Preparatory Program (NPP)
- EUMETSAT Meteorological Operational Satellite (MetOp) Program
- NOAA NEXt generation weather RADar (NEXRAD) Program and future dual polarized and phased-array radars
- National Centers for Environmental Prediction (NCEP) Model Datasets, including Reanalysis Products

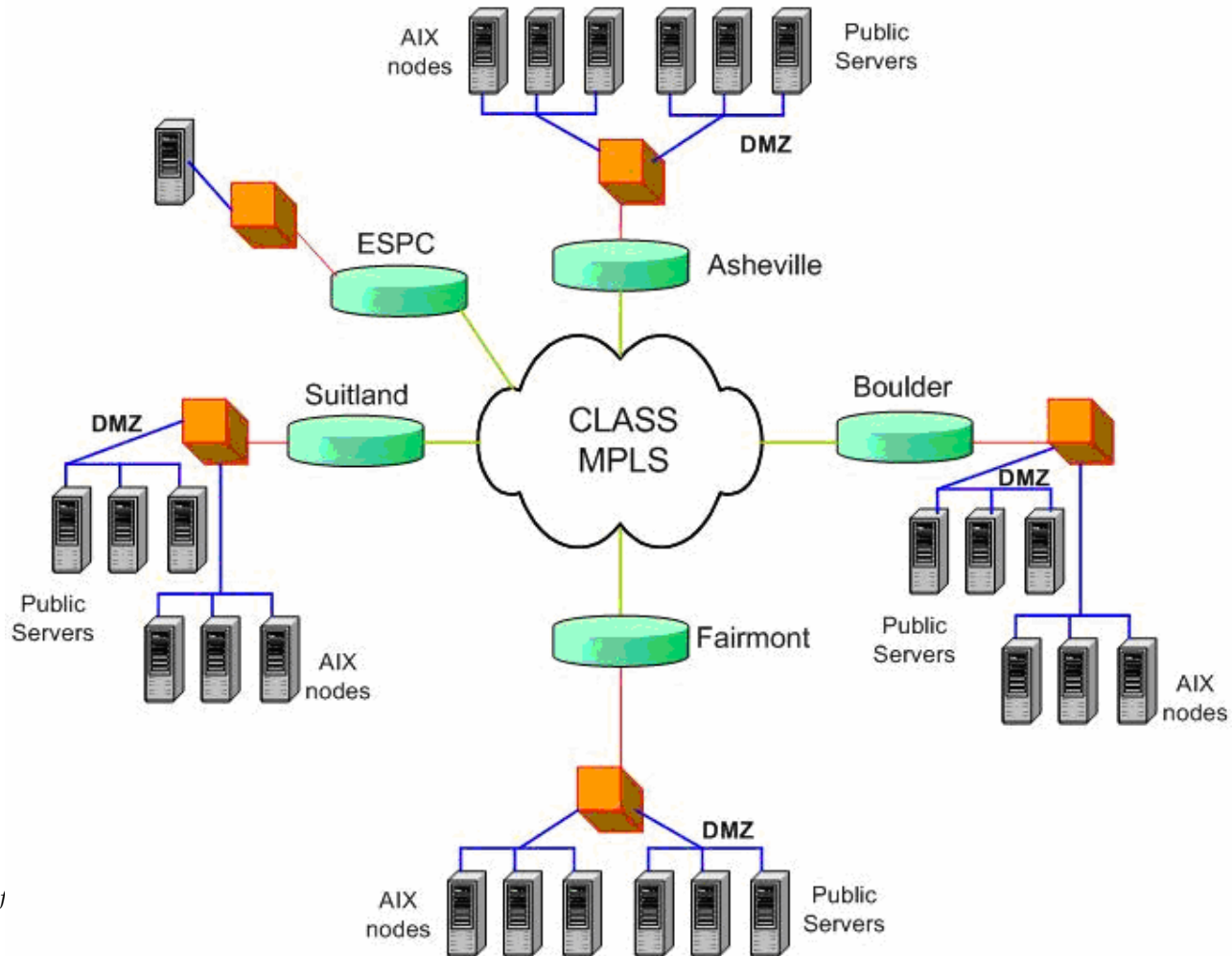


# “Core” Holdings

- In CLASS now
  - POES, DMSP, GOES
- Coming soon
  - MetOp
- Currently prototyping
  - EOS MODIS, selected NODC data
- In development
  - NPP, NPOESS, GOES-R
- In discussion
  - NEXRAD, Model data



# System Topology





# CLASS-Suitland Node

- **Computers**

16 IBM p520

7 Dell PCs

14 IBM p550

1 Dell Laptop

6 SGI origin 0350

- **Operating Systems**

AIX

Linux

IRIX

Windows 2000/XP

- **1 Computer Operator**

- **2 System Administrator**

- **1 Network Administrator**



# CLASS-NCDC Node

- **Computers**

6 IBM p520

2 SGI origin 0350

4 IBM p550

3 Dell PCs

- **Operating Systems**

AIX

Linux

IRIX

Windows 2000/XP

- **1 Computer Operator**

- **2 System Administrator**

- **1 Network Administrator**



# CLASS-NGDC Node

- **Computers**

6 IBM p520

2 SGI origin 0350

4 IBM p550

3 Dell PCs

- **Operating Systems**

AIX

Linux

IRIX

Windows 2000/XP

- **1 Computer Operator**

- **2 System Administrator**

- **1 Network Administrator**



# CLASS Release 4.1

- Data Integrity  
Release 4.1 enables CLASS validation of checksums for all newly ingested data as well as all historical holdings. In addition, a new background routine now randomly samples checksums across all CLASS data sets and reports anomalies.
- OPeNDAP  
CLASS now supports an Open-source Project for a Network Data Access Protocol (OPeNDAP) server. OPeNDAP, a framework that simplifies all aspects of scientific data networking, makes CLASS data accessible to remote locations regardless of local storage format.



# CLASS Release 4.1

- GOES  
Release 4.1 provides enhanced capabilities to support the search, order and delivery of GOES mode AAA and GOES mode AA data.
- DMSP  
Support data set naming convention for DMSP T1 / T2 data thereby enabling ingest of this historical dataset.
- Metop  
Release 4.1 added capability for users to select a Metop FRAC (global 1KM data) dataset to be delivered as a GAC (Global 4KM) dataset. This feature will be enabled as convert tool is provided by ESPC.





# CLASS Release 4.1

- EOS  
Release 4.1 provides enhanced capabilities to support ingest and processing, and web based search, order and delivery of EOS MODIS Level 0 data. This capability, while present, remains unavailable for public access while EOS MODIS delivery mechanisms are being tested.
- Data Delivery  
Release 4.1 enhancements also allow push subscribers to manager their push subscription.



# Upcoming Activities

- MetOp
  - NCDC supported requirements analysis & development of Submission Agreement
  - CLASS ready to support at MetOp launch
- EOS MODIS L0
  - NOAA-NASA working group established requirements, Submission Agreement, Interface Control Document & Operations Agreement
  - Successfully conducted pilot project tests in August 2006
  - 'EOS-Handbook and Lessons Learned' document scheduled for December 2006



# NGDC API Prototype

- Functional prototype exists today
- Integrates selected CLASS & NGDC capabilities
- Demonstrates ease of integration using SOA technologies (Web Services in this case)
- Shows benefits and feasibility of integrating NOAA systems
- Provides “lessons learned” for production CLASS API development and collaboration with GEO-IDE



# GEO-IDE & CLASS

- Identify how systems will interoperate with CLASS
- Enumerate the services, associated interface signatures for:

Ingest

Discovery/search

Metadata management

Dissemination

– Notification

– Subscription

– Order

– Delivery

– Media transfer

Geospatial capabilities

Data Operations

– Metadata extraction

– Subsetting

– Visualization

– Aggregation

– Format translation

– ...



# IT Security Activities

## Certification & Accreditation in 3rd Qtr 07 driven by

- Move to NSOF
- New architecture
- Boulder node



# Schedule & Milestones

## Campaign

Metop

EOS (Level 0)

NPOESS Preparatory Program

NPOESS

GOES-R

NCEP Model Data

NEXRAD

## RISK REDUCTION & PILOT PROGRAMS

NODC storage & access prototype

NGDC & NCDC storage & access prototype

GEO-IDE Metadata Standard

GEO-IDE Interface

## Capability Date

4th Qtr 2006

2nd Qtr 2008

4th Qtr 2009

2013

2014

tbd

tbd

## Capability Date

2nd Qtr 2007

tbd

tbd

tbd



# Summary Description

An evolving 'enterprise' storage and access system that will support additional "campaigns," broader user base, and new functionality as development and implementation continues for the next 10 years

A web-based data storage and distribution system supporting NOAA's environmental data archive mission

To become the enterprise IT system supporting NOAA's environmental data stewardship activities

Concurrently implementing new requirements and capabilities while supporting ongoing operations and maintenance



# Core Performance Requirements



Provide ingest, secure storage, and access to baseline large-array data

Maintain information pertaining to processing data, including documentation, processing algorithms and procedures

Initiate pilot programs with the GEO-IDE to support risk reducing development and phased integration of standards for metadata, machine-to-machine interfaces, and archive

Provide human and machine-to-machine interfaces to store, maintain, and provide access to data, information, and metadata (OAIS)





# Benefits & Performance

The Nation will be better prepared to mitigate the effects of climate and weather extremes that are amplified by changes in population and societal trends in a changing climate

Integrated IT solution supporting data archive functions of ingest, storage, data management and access across all Data Centers

Integrated Data Portal supporting the societal benefits anticipated from the Global Environmental Observing System of Systems (GEOSS)



Thank You



2006 CLASS Industry Day

# CLASS INDUSTRY DAY

## Contracting Strategy

NOAA Acquisition and Grants Office  
Eastern Region Acquisition  
Mr. Brendon Johnson  
Contracting Officer  
October 2, 2006





# Why we are here today? The Acquisition Team



2006 CLASS Industry Day

- The Acquisition Team FAR Definition:
  - **1.102-3 Acquisition Team.**
  - The purpose of defining the Federal Acquisition Team (Team) in the Guiding Principles is to ensure that participants in the System are identified beginning with the customer and ending with the contractor of the product or service. By identifying the team members in this manner, teamwork, unity of purpose, and open communication among the members of the Team in sharing the vision and achieving the goal of the System are encouraged. Individual team members will participate in the acquisition process at the appropriate time.
  - **1.102-4 Role of the Acquisition Team (d)** The System will foster cooperative relationships between the Government and its contractors consistent with its overriding responsibility to the taxpayers.



# CLASS Procurement Background



2006 CLASS Industry Day

- November 2005 COMMITS NEXGEN
- February 2006 COMMITS NEXGEN Disapproved
- April 26, 2006 Announcement as Small Business Set-Aside
- September 12, 2006 Announcement
  - Draft RFP and RFI
- September 26, 2006 Modification to Notice



# Draft RFP and RFI Responses (1 of 2)



2006 CLASS Industry Day

- Request for capability statements from small businesses who qualify as small for NAICS 541512 Computer Systems Design Services



# Draft RFP and RFI Responses (2 of 2)



2006 CLASS Industry Day

Request for comment and feedback from **any business (regardless of size status)** on the following:

1. anticipated contract type;
2. contemplated terms and conditions;
3. acquisition planning schedules;
4. the feasibility of the technical requirements;
5. capabilities to meet the requirements;
6. small business set-aside and ability to perform within the Limitations on Subcontracting at FAR 52.219-14;
7. the suitability of proposal instructions and evaluation criteria;
8. the availability of reference documents; and
9. suggestions or observations.



# Draft RFP and RFI Schedule



2006 CLASS Industry Day

- Comments and responses will be considered for inclusion in the final RFP if submitted to [CLASSRFI2006@noaa.gov](mailto:CLASSRFI2006@noaa.gov) prior to **October 6, 2006 at 2:00 p.m.** (responses also in hard copy to the Contracting Officer)
  - see: <http://www2.fbo.gov/spg/DOC/NOAA/EASC/Reference%2DNumber%2DEA133E%2D06%2DRFI%2D0001/SynopsisP.html>
- Questions submitted to [CLASSRFI2006@noaa.gov](mailto:CLASSRFI2006@noaa.gov) prior to **October 6, 2006** will be answered on or about **October 20, 2006**
  - see: <http://www2.fbo.gov/spg/DOC/NOAA/EASC/Reference%2DNumber%2DEA133E%2D06%2DRFI%2D0001/SynopsisP.html>





# CLASS Acquisition Schedule



## 2006 CLASS Industry Day

- Industry Day October 2, 2006
- Responses to RFI/Draft RFP October 6, 2006
- Market Research October 2006
- Final RFP Release November 2006
- Proposals Due December 2006
- Evaluations December 2006-January 2007
- Negotiations February 2007-March 2007
- Target for award April-May 2007

\*All Schedule dates subject to change



# CLASS Acquisition Communication



2006 CLASS Industry Day

- Through the Government-wide Point of Entry:
  - [www.fedbizopps.gov](http://www.fedbizopps.gov): solicitation, amendments, notices
- Federal Technical Data Solutions: FEDTeds.gov
  - Online dissemination solution designed to safeguard sensitive acquisition related information for use by all Federal Agencies and their approved business partners
    - [www.fedteds.gov](http://www.fedteds.gov)
    - [www.ccr.gov](http://www.ccr.gov)



# Performance Based Acquisition (1 of 3)



2006 CLASS Industry Day

- Definition from FAR Part 2:
  - “Performance-based acquisition (PBA)” means an acquisition structured around the results to be achieved as opposed to the manner by which the work is to be performed.



# Performance Based Acquisition (2 of 3)



2006 CLASS Industry Day

- Authorizing Guidance, Statute, Regulation
  - President's Management Agenda
  - Government Performance Results Act of 1994
  - Federal Acquisition Streamlining Act of 1996
  - FAR Subpart 37.6 Performance Based Acquisition



# Performance Based Acquisition (3 of 3)



2006 CLASS Industry Day

- How it applies to this acquisition
  - Seven Steps to Performance-Based Services acquisition:
    - [http://www.acquisition.gov/comp/seven\\_steps/home.html](http://www.acquisition.gov/comp/seven_steps/home.html)
  - Requirements described in terms of the required results rather than “how” the work is to be accomplished;
  - Enable assessment of work performance against measurable performance standards;
  - Rely on the use of measurable performance standards and financial incentives in a competitive environment to encourage competitors to develop and institute innovative and cost-effective methods of performing the work.



# CLASS and PBA

## 2006 CLASS Industry Day

- Statement of Objectives (SOO)
  - Allow industry flexibility and ability to innovate
    - Technical Solution –Contractor proposes the Performance Work Statement (PWS)
    - Business Solution –Contractor proposes pricing, incentives, and contract types
    - Measures must be tied to the CLASS Program objectives and mission
  - CLASS outcomes and standards are specified and will be further specified in the final solicitation
- Performance Incentives/Disincentives
  - Award Terms
  - Other incentives/disincentives



# CLASS Acquisition Features



2006 CLASS Industry Day

- Information Technology and Major System Acquisition
  - Potential 9 year period of performance (Clinger Cohen Act of 1996)
  - Earned Value Measurement System (FAR Subpart 34.2 Earned Value Management System)
- Single Award IDIQ
  - Fixed Price Task and Delivery Orders
  - Cost Reimbursement Task and Delivery Orders
- Negotiated Procurement in accordance with FAR PART 15 Contracting By Negotiation

Reference: <http://www.acquisition.gov/far/index.html>



# Evaluation Criteria and Basis for Award



2006 CLASS Industry Day

- Definitions:

- Best Value: “Best value” means the expected outcome of an acquisition that, in the Government’s estimation, provides the greatest overall benefit in response to the requirement.
- Tradeoffs: A tradeoff process is appropriate when it may be in the best interest of the Government to consider award to other than the lowest priced offeror or other than the highest technically rated offeror.

Reference: <http://www.acquisition.gov/far/index.html>





# Evaluation Criteria and Basis for Award



2006 CLASS Industry Day

The anticipated factors are listed below in decreasing order of importance. Factor 7 (Cost/Price) is not scored, but cost/price plays an increasingly important role as the scores for Factors 1-6 become closer amongst the offerors.

Factor 1: Technical Solution

Factor 2: Management Solution

Factor 3: Operations and Maintenance Solution

Factor 4: Security Solution

Factor 5: Performance Measurement Solution

Factor 6: Past Performance

Factor 7: Price/Cost



# Small Business Programs



2006 CLASS Industry Day

## NOAA Prime Contracting Goals for FY 2007

Small Business Category	Goal Percentage
Small Business (SB)	48%
Small Disadvantaged Business (SDB)	12%
8(a)	4.86%
Women-Owned Business (WOSB)	8.50%
Veteran-Owned Small Business (VOSB)	3%
Service Disabled Veteran-Owned Small Business (SDVOSB)	3%
HUBZone	3%



# NAICS CODE

2006 CLASS Industry Day

- Selection Based on Census Bureau Definitions  
<http://www.census.gov/epcd/naics02/naicod02.htm>, SBA Regulations, and FAR Subpart 19.303  
Determining NAICS codes and size standards
- Detailed research of regulations, policy and marketplace
- Coordinated and staffed through NOAA NESDIS Program Office, NOAA AGO, DOC Office of Small and Disadvantaged Business Utilization, and the DOC Procurement Executive



# NAICS CODE

## 2006 CLASS Industry Day

- 541512 Computer Systems Design Services

This U.S. industry comprises establishments primarily engaged in planning and designing computer systems that integrate computer hardware, software, and communication technologies. The hardware and software components of the system may be provided by this establishment or company as part of integrated services or may be provided by third parties or vendors. These establishments often install the system and train and support users of the system.

Planning and designing computer systems that integrate computer hardware, software, and communication technologies, even though such establishments may provide custom software as an integral part of their services, --are classified in U.S. Industry 541512, Computer Systems Design Services.

For further reference see:

<http://www.census.gov/epcd/naics02/def/ND541512.HTM>



# Set-Aside

## 2006 CLASS Industry Day

- **Definition:**
  - The purpose of small business set-asides is to award certain acquisitions exclusively to small business concerns. A “set-aside for small business” is the reserving of an acquisition exclusively for participation by small business concerns. A small business set-aside may be open to all small businesses. A small business set-aside of a single acquisition or a class of acquisitions may be total or partial.
- **Determination:**
  - The contracting officer shall set aside any acquisition over \$100,000 for small business participation when there is a reasonable expectation that (1) offers will be obtained from at least two responsible small business concerns offering the products of different small business concerns and (2) award will be made at fair market prices.

### Reference:

[http://www.acquisition.gov/far/current/html/Subpart%2019\\_5.html#wp1086824](http://www.acquisition.gov/far/current/html/Subpart%2019_5.html#wp1086824)



2006 CLASS Industry Day

# Closing Remarks

NOAA Acquisition and Grants Office  
Eastern Region Acquisition

Mr. Brendon Johnson

Contracting Officer

October 2, 2006





# In Summary

2006 CLASS Industry Day

- Thank you for attending. You are an important member of the acquisition team.
- A copy of this briefing will be posted to [www.fedbizopps.gov](http://www.fedbizopps.gov)
- Submit questions to [CLASSRFI2006@noaa.gov](mailto:CLASSRFI2006@noaa.gov) by 2:00 p.m. on October 2, 2006
- We look forward to your Draft RFP/RFI responses and comments