

# Enhanced NAS EA Portal (*and Demonstration*)

*Coming Soon to a Desktop /  
Laptop / PC / Mobile  
Device.... Near You !!*

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Federal Aviation  
Administration



# Enhanced NAS EAS Portal - Why?

- Existing NAS Architecture 6 Tool (NAS 6) has supported the FAA's prior NAS Architecture needs well
- Growing needs and demands on the NAS EA as well as technology advancements necessitate an upgrade to the toolset
- NAS EA needs are maturing and evolving too quickly to keep NAS 6 effectively supporting
- The solution = **Enhanced NAS EA Portal**

# Goals of the NAS EA Portal

- **Goal 1 – Improve User Access to NAS EA Information**
  - Make it easier and faster for stakeholders to get what they need, when they need it, and to understand how it fits in
- **Goal 2 – Improved Understanding of User Needs**
  - Improved ability for maintaining alignment of the portal with user needs throughout its lifecycle
- **Goal 3 – Extensible Framework**
  - Enhancements to allow a more flexible toolset that can more readily adapt to meet future user needs

# Achieving “Goal 1 – Improved Access to NAS EA Information”

- **New look and feel**
- **New layout design for improved access**
  - New “views” concept
    - 4 primary views: Executive, Enterprise, Service Unit and Program
    - Other related future community workspaces (e.g. Acquisition)
  - New “products” concept
    - 6 product sections: Service Roadmaps, Operational Improvements (OIs), Infrastructure Roadmaps, Financial Views, Architecture Views, and Requirements
  - Prominent information outreach features
    - Useful related information (e.g. NAS EA POCs, Mission, FAQs, News and Events, Publications ...)

# Achieving “Goal 1 – Improved Access to NAS EA Information” (cont.)

- **Single source site for integrated NAS EA information**
  - Data maintained in the portal
  - Hosted data (data maintained in another system)
  - Links/references to other sites/systems (data maintained in other systems and not hosted on portal)

# Achieving “Goal 2 – Improved Understanding of User Needs”

- **Easy way for users to contact the portal support team to provide comments/questions about the NAS EA content or portal features**
  - General or page specific
- **Easy way for users to provide feedback**
  - More structured (i.e. select a rating)
- **Automated capability of the portal to quantify feature usage**
  - And its converse

# Achieving “Goal 3 – Extensible Framework”

- **Common solution technology stack**
  - Core commercial off-the-shelf (COTS) components:
    - Microsoft Windows 2003 Server
    - Adobe ColdFusion Application Server
    - Oracle RDBMS
  - All used through out the agency and industry
- **Use of enhanced application development techniques and frameworks for extensibility**
  - Design Patterns
  - Development Frameworks

# What is the Enhanced NAS EA Portal?

- **Currently under development, it will be an FAA developed dynamic database driven web application supporting the NAS Enterprise Architecture**
- **<http://nasea.faa.gov>**
- **It will be accessible to both Internet and Intranet users**

# What is the Enhanced NAS EA Portal? (cont.)

- **It will replace the current three NAS 6 sites**
  - <http://nas-architecture.faa.gov> (Internet)
  - <http://cats-i.faa.gov> (Intranet)
  - <http://asd-val.faa.gov> (Intranet)
- **It will initially release as NAS EA Portal v7.0 to recognize NAS 6 as its predecessor**
- **There will be select data migration from NAS 6 into the NAS EA Portal**

# User Access and Implications

- **Anonymous INTERNET Access**
  - No login
  - Access for public users (i.e. outside the firewall)
  - There will be limitations to portal information and features
- **Anonymous Intranet Access**
  - No login
  - Access for agency users (i.e. within the firewall)
  - More portal information and features available
- **Authenticated Access**
  - Login required
  - Administrative and maintenance use only

# NAS EA Portal Demonstration



# Future Features

- **Support for non-FAA Standard browsers**
- **Mobile access to select portal information and features**
- **Subscriptions and watch lists**
- **Enhanced site search**
- **Additional features for various Views and Product sections**
- ***More...***

# Summary

- **The NAS EA Portal site is coming**
- **It will replace the existing NAS 6 sites**
- **It will provide easier access to NAS EA related information**
- **Your feedback is necessary to help keep it aligned to your evolving NAS EA needs**

# POC Information

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