

Strategic Navigation Initiative Summary
Navigation Stakeholder Network, 1-1

1. **Purpose/Objective:** The objective of the Navigation Stakeholder Network Initiative is to provide national level program information to the navigation stakeholder groups. There is presently no method to convey this information.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal and Inland
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 1, Communicate the value of the navigation program.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation,
3. **Scope:** To provide status of national navigation program efforts to our stakeholders in an efficient manner that will increase awareness and encourage feedback. Project execution will be undertaken in a series of specific tasks as outlined below:
 - a. Identify a representative cross section of stakeholders and get input on information they desire, frequency, and preferred method to receive information.
 - b. Query MSC Navigation Managers on stakeholder information availability, ease of acquiring information, preferred method of supplying information, and advisability of sharing information requested. May need to involve legal on this aspect.
 - c. Identify person/persons within the Districts/Division to collect information.
 - d. Identify person(s) to define how to centrally collect, format, and distribute information and have them do it.
 - e. Define dates for receipt of information, who to notify, review chain
4. **Final Product(s):** A summary report of national navigation program efforts. The report will be published on a monthly/quarterly basis (TBD), both via a distribution list and posted on selected web site(s).
5. **Initiative Leader:** James Walker, USACE HQ
6. **Team Members:** James Walker, CW-OD; Kareem El-Naggar, LRD; Steve Jones, MVD; Rich Thorsen, NAD; Eric Braun, NWD; Helen Stuppelbeen, POD; Dylan Davis, SAD; George Domurat, SPD; ERDC, HQ, IWR person(s) to collect, edit, distribute and post information
7. **Schedule:**

a. Initiate Task	03-12
b. Identify stakeholder to provide needs	03-12
c. Develop distribution list	04-12
d. Prepare an initial report and distribute to MSC Nav Managers for review and improvement, also need stakeholder feedback	06-12
e. Distribute report to stakeholder list	07-12
f. Seek feedback	08-12
g. Revise report format and information	10-12
8. **Status/Progress:** Work not started
9. **Resources:** TBD

Strategic Navigation Initiative Summary
Dredging Contractors of America Partnering, 1-2

1. **Purpose/Objective:** Identify, understand and seek to resolve National level issues affecting the efficient and cost effective accomplishment of the navigation mission as executed by the DCA. These issues can be with any phase of a project or functional part of the USACE, planning, engineering, construction, O&M, project management and contracting.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal and Inland
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 1 Communicated the value of the Navigation program
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation.
3. **Scope:** Exchange issues, establish action teams to address the issues, and communicate the results. The Partnering Meetings may summarize discussions from other communication opportunities including: the National Dredging Meeting, DCA Annual Meeting, WEDA National and Regional meetings, and the Industry Corps Hopper Dredge Management Group (ICHDMG). Specific items include
 - a. Conference calls between Navigation BLM and DCA leaders to start initiative and identify team members
 - b. Conduct initial partnering meeting, identify issues and actions teams
 - c. Action teams develop item specific PMPs
 - d. Hold periodic partnering meeting to assess action item progress
4. **Final Product(s):** Individual action teams will provide a range of products.
 - a. Communication of the action team results may take many forms: memos from the DCG-COE; contribute to ER's, EM's, etc. Other SNIs are addressing specific issues, e.g., Hydrographic Survey Manual Update.
5. **Initiative Leader:** James Walker, CE-CWCOCD
6. **Team Members:** Several District/Division Operations and Contracts staff, Barry Holliday, Executive Director DCA; William Hanson Great Lakes Dredge and Dock; others from Weeks, Manson, etc.
7. **Schedule:** Next meeting date TBD.
8. **Status/Progress:** Ongoing/Modest
9. **Resources:** O&M

Strategic Navigation Initiative Summary
Navigation Gateway Initiative, 1-3

1. **Purpose/Objective:** Develop a knowledge base that supports the Community of Practice in implementing the Navigation Strategic Vision (Feb 2011) and Action plan and related priorities.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal and Inland
 - b. **Corps Functional Area Supported:** Operations primarily, but all areas related to navigation
 - c. **Navigation Strategic Vision Area and Activity Supported:** 1.3, Develop internal communications plan.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation
3. **Scope:** Develop priorities and action items to improve the Navigation Gateway under the direction of the Navigation Headquarters staff and CoP. Content will be developed and organized based on knowledge management principles to allow the Gateway to serve as the CoP repository integrating programs, best practices, policies, people and partnerships. Specific items include:
4. Scoping meeting for the navigation community of practice (CoP) to identify audience and program area priorities.
5. Identify and organize key navigation subject matter experts within the CoP to deliver content. Coordinate with ongoing navigation initiatives (team of teams) to review and obtain content, improve taxonomy and provide feedback to members of scoping team.
6. Identify systems from other Gateway communities and practices that could migrate and serve the Navigation CoP.
7. Conduct a content development workshop in a key business area to develop and deliver navigation content.
8. **Final Product(s):** The primary product of this project would be an updated Navigation Gateway and a plan for future development based on a guiding document developed in 3.a. The document will outline audiences, propose data delivery systems, content development approaches, vetting process, prototypes, and identify other Gateway systems that could serve the navigation community
9. **Initiative Leader:** Kathleen Perales
10. **Team Members:** Virginia Dickerson and others TBD that can represent various content areas and HQ
11. **Schedule:**

a. Scoping meeting – Development of priorities	Dec 12
b. Gateway Planning Document	Feb 13
c. Migration of Gateway systems for Navigation	Mar 13
d. Subject matter expert and content identification	Jun 13
e. Content development workshop	Jul 13
f. Updated Gateway Site	Sep 13
12. **Status/Progress:** Work has not started/no progress
13. **Resources:** Estimated cost of ERDC support is \$75K

Strategic Navigation Initiative Summary
Dredging for Executives Training, 1-4

1. **Purpose/Objective:** Provide dredging training for incoming commanders and senior officials who do not have a dredging background. The training will include an overview of dredging equipment, capabilities, operating conditions, contracting formats and costs of various methods of dredging.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal and Inland
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 1, communicate the value of the navigation program
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation
3. **Scope:** Develop an online overview that can be completed in one hour. Navigation program leaders will need to be familiar with this program and be prepared to provide a follow-up briefing of local components of the navigation program. Specific actions include:
 - a. A query to determine existing dredging overview presentations being used at Districts along with information in the PROSPECT courses, Dredging Fundamentals and Coastal Engineering.
 - b. Team members will evaluate existing information, determine and fill gaps, and prepare a product that can be used Corps wide.
 - c. The HQ Readiness Support Center, developers of online and classroom training for FEMA support missions, has offered to provide resources to assist with this product.
4. **Final Product(s):** A one hour, online training course on dredging for incoming commanders and senior officials
5. **Initiative Leader:** TBD
6. **Team Members:** TBD
7. **Schedule:** TBD
8. **Status/Progress:** Not started/no progress
9. **Resources:** TBD, likely O&M

Strategic Navigation Initiative Summary
Dredging Training for Environmental Resource Agencies, 1-5

1. **Purpose/Objective:** Develop an overview of dredging that can be provided to environmental agency staff so they can have a better understanding of the dredging process and therefore make more reasoned and consistent decisions related to environmental compliance of dredging activities. Included will be information on dredging equipment, capabilities, operating conditions, contracting formats and costs of various methods of dredging.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal and Inland
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 1, Communicate the value of the navigation program.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation
3. **Scope:** Determine the content of existing presentations, e.g., SAJ and SAM have training information as does the PROSPECT course, Dredging Fundamentals. Team members will evaluate existing information, determine and fill gaps, and prepare a product that can be used at other Districts across the Corps. The team will consider developing a range of formats.
4. **Final Product(s):** 1) PowerPoint presentation , 2) An online training course, 3) Appropriate references and handouts
5. **Initiative Leader:** Dena Dickerson, ERDC;
6. **Team Members:** Tom Verna, CE-IWR; Terri Jordan Sellers, CESAJ
7. **Schedule:** TBD
8. **Status/Progress:** Not started.
9. **Resources:** Not identified.

Strategic Navigation Initiative Summary
Committee on the Marine Transportation System, 1-6

1. **Purpose/Objective:** Coordinate the actions, policies and initiatives of the 27 Federal agencies, independent agencies and White House offices that have a role to play in the Nation’s marine transportation system
2. **Strategic Alignment:**
 - a. **Navigation Application:** Both Inland and Coastal
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 3.4, Work with PIANC, CMTS and other stakeholders, support Administration to provide information and increase visibility of MTS in National Freight Transportation Policy
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation
3. **Scope:** Gain cooperation and insights, as well as to leverage resources of the other member agencies in mission accomplishment for the USACE navigation strategy though:
 - a. Participation on the Navigation Technology Integrated Action Team (IAT)
 - i. Joint Leadership of the eNavigation IAT
 - ii. Participation on the National Export Initiative Task Team
 - b. Leading the Research and Development IAT (Jeff Lillycrop – ERDC)
 - i. Participation in Arctic IAT
4. **Final Product(s):** Final Reports on items listed in Scope
 - a. River Information System protocol; unified Federal water-level datum
 - b. Final national eNavigation strategy and implementation plan
 - c. Scope is still under development for NEI team (Public Private Partnerships)
 - d. Biennial Conference, sponsored by TRB and the CMTS on MTS related R&D; collaborative R&D efforts
 - e. Report to Congress on Arctic Transportation
5. **Initiative Leader:** Patricia Mutschler (CO-CW)
6. **Team Members:** James Walker (CO-CW), Jeff Lillycrop (ERDC), Brian Tetreault (ERDC), Zufelt (ERDC)
7. **Schedule:**

a. a.1	Complete pilot RIS (Pittsburgh)	09-12
b. a.2.	Unified Water level datum (completed)	09-10
c. b.1.a	eNav Implementation Plan	07-12
d. b.1.b.	eNav Strategy Roll out	07-12
e. c.	Draft Scope to be completed	06-12
f. d.1.b.	Second biannual conference	07-12
g. d.1.c	Collaborative MTS related R&D efforts	ongoing
h. e.1	Final Report to Congress	07-12
8. **Status/Progress:** Work progressing - satisfactory
9. **Resources:** Funding - O&M and R&D

Strategic Navigation Initiative Summary
USACE Liaison Officer (LNO) to US Coast Guard, 1-7

1. **Purpose/Objective:** Address any issues that arise between USACE and the USCG in as rapid and efficient a means as possible. Issues will be addressed at the lowest level feasible and elevated as necessary to attain resolution.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal and Inland
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 1, develop and implement and active coordination and outreach/communications program, 2 improved business processes.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation,
3. **Scope:** Some specific issues currently being addressed include:
 - a. Getting Sea time credited for USACE inland dredge officers.
 - b. Coordinating drug testing policy for dredge operators between agencies
 - c. Assisting in renegotiating the MOA addressing vessel inspections
 - d. Assisting in renegotiating the MOA for non-emergency debris removal
 - e. Assist in negotiating MOA for Aids to Navigation budget planning
 - f. Coordinate with USCG for recovery of waterways during emergency operations (Spring Flood). Will do same if needed during Hurricane season.'
4. **Final Product(s):** Final products corresponding to the above items
 - a. Change in USCG rule regulating how sea time is calculated for USACE dredge operators
 - b. Revised MOA on drug testing
 - c. Revised MOA on vessel inspections
 - d. Signed MOA on non emergency debris removal
 - e. Signed MOA on aids to navigation.
 - f. Provide daily updates of USCG actions and provide USCG with USACE requirements for duration of emergency operation
5. **Initiative Leader:** Patricia Mutschler
6. **Team Members:** Members vary depending on item, full team is: Robert Leitch, Mike Kidby, Jeff McKee, Milt Boyd, James Walker, Jeff Lillycrop,
7. **Schedule:**
 - a. Develop Training pgm for sea time for dredge officers 09-12
 - b. Signed letter of policy from Chief, Ops to Field 09-12
 - c. Revised MOA for vessel inspections 12-12
 - d. Revised MOA on non emergency debris removal 06-12
 - e. Final MOA signed on aids to navigation 12-12
 - f. Provide consult for information passing ongoing
8. **Status/Progress:** Work ongoing; progress is satisfactory
9. **Resources:** Funded through GE

Strategic Navigation Initiative Summary
Inland Electronic Navigational Chart (IENC) Program, 1-9

1. **Purpose/Objective:** Provide inland electronic navigational charts published on the web and updated weekly.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Inland
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 2, Improve Business process, 3 Manage the MTS as a system
 - d. **CW Strategic Goal(s) Supported:** 2, Help facilitate commercial navigation
3. **Scope:** Publish weekly inland electronic navigational charts of the entire inland waterway system. Data are available free on the web in several formats. Mobile applications for Android, I-pad, etc., will be developed and tested. US Coast Guard buoys will be added as a data layer.
4. **Final Product(s):** Easily accessible free electronic charts over the web. Formats include the international data exchange format S-57, shapefiles, and KML. Data will be downloadable with .zip, RSS or XML catalog. In addition WMS and WFS services will be made available via mobile apps for Android and iPhone devices.
5. **Initiative Leader:** Robert Mann, AGC
6. **Team Members:** Denise LaDue (CELRL-OP-E)-Production Mgr; Dale Dodson (CEAGC-GSA)-QA Mgr.; Duane Morrison (CEAGC-GSA), Special Projects Mgr; Jim Walker (CECW-CO-D), IENC Proponent; Jeff Lillycrop (ERDC-CHL)-ERDC Liaison; Personnel from 15 inland districts -Data providers
7. **Schedule:**

a. Complete phase 2 of pilot project with SAM	09-11
b. Complete phase 2 of pilot project with MVS	12-11
c. Development of chart error reporting website	09-11
d. Complete update of NADMS data	03-12
e. Development of mobile apps	06-12
8. **Status/Progress:** Work is underway, progress is satisfactory, adding new functionality
9. **Resources:** Funded by O&M

Strategic Navigation Initiative Summary
**Implement Dredging Quality Management (DQM) Version 3.0 for Nationally Consistent Dredge
Contract Monitoring, 2-4**

1. **Purpose/Objective:** Continue to develop and implement various software tools to assist in managing incoming dredging data and provide added benefits to the DQM customers. DQM V3.0 will address user comments on the original v2.0 tools; capability for multiple load viewing, export and analysis, provide administrative tools for entering, editing, and tracking dredging data; set up an email alert system for compliance issues; and update the DQM website.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal and Inland
 - b. **Corps Functional Area Supported:** Operations and contracts
 - c. **Navigation Strategic Vision Area and Activity Supported:** 2, improved business processes, 3 Manage the MSC as a system.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation,
3. **Scope:** The DQM v3.0 initiative will address the highest priority items including:
 - a. Addition of administrative tools for in-house DQM use to add, edit, and track dredging projects
 - b. Addition of QA/QC tools to produce email notifications (alerts) when compliance issues are identified
 - c. Written SOP for system maintenance and emergency procedures
 - d. Flexibility to integrate new dredge plants for future monitoring.
4. **Final Product(s):** The primary product of these tools will be the development of a more user friendly DQM web viewer with expanded tools for navigation engineers and DQM customers. Highlights include: multiple load viewing, export and analysis; customized email alert system for dredging manager; customized data export capability; cycle analysis integration; additional parameter viewing and monitoring capability, automated EPA report generation.
5. **Initiative Leader:** Vern Gwin, SAM
6. **Team Members:** Brenda Allen, Rhonda Lenoir, Mike Sessions, Jake Lambert (SAM Mobile DQM Support Team), Irven Ingram, Clint Padgett, Mike Nettles (SAM), contractor support team
7. **Schedule:**

a. Initiate Task – DQM v3.0	Nov 2011
b. Website	Dec 2011
c. Restructure Database	Dec 2011
d. Viewer Updates and Added Tools	Dec 2012
e. Client Tools	Feb 2013
f. Admin Tools	Feb 2013
8. **Status/Progress:** Work is ongoing/Progress is satisfactory
9. **Resources:** Funded by O&M and GE projects around the country

**Strategic Navigation Initiative Summary
National Channel Framework (NCF), 2-6**

1. **Purpose/Objective:** Develop a comprehensive inventory of all federal navigation projects and continue to build CAD and GIS datasets that can be used by Districts and NOAA as the authoritative source of USACE channel framework data. This authoritative dataset will be used throughout all USACE business lines handling channel navigation projects. This will also serve as NOAA's primary source for updating their paper and electronic charts.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 2, improved business processes, 1 communicate the value of marine transportation, 3 Manage the MSC as a system.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation, 1 assist in providing for safe and resilient communities and infrastructure
3. **Scope:** The NCF program has worked with each District to build an inventory of its active vs inactive federal channel navigation projects. This inventory will be base lined against OMBIL and will include items such as name, channel dimensions, and fund status. Once complete, all channel data is collected, formatted, reviewed and loaded into a SDSFIE 3.0 compliant feature class. After it is loaded this data is accessible to NOAA, USACE and its business partners through a GIS web map service. This server is capable of downloading and exporting this data into many formats based on the user's requirements.
4. **Final Product(s):** An easily accessible free GIS web map service that supplies all Federal USACE channel navigation projects of the web. The Districts will also receive a CAD file for each project containing a complete project with all components.
5. **Initiative Leader:** Clint Padgett, SAM
6. **Team Members:** Robert Mann, ERDC, Duane Morrison, ERDC, Elizabeth Shope SAM, Mike Nettles SAM.
7. **Schedule:**

a. Complete CAD edits for all projects	10-11
b. Complete review of all projects of the Districts	02-11
c. Load GIS feature class	04-11
d. Deliver CAD and GIS products to Districts	06-12
e. Develop maintenance plan and strategy	10-11
8. **Status/Progress:** Work is ongoing/Progress is satisfactory
9. **Resources:** Funding from R&D and O&M

Strategic Navigation Initiative Summary
Hydrographic Survey Manual Update, 2-8

1. **Purpose/Objective:** Provide input to the hydrographic survey manual revisions that help ensure project costs associated with navigation channel maintenance are kept to a minimum through appropriate survey requirements.

2. **Strategic Alignment:**
 - a. **Navigation Application:** Both Inland and Coastal
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 2, Improve Business Practices
 - d. **CW Strategic Goal(s) Supported:** 2, Help facilitate commercial navigation

3. **Scope:** Provide input to and review of proposed changes to the Hydrographic Survey Manual to ensure the requirements and standards for dredging assessment and payment surveys result in minimized project costs without compromising quality. Specific steps include:
 - a. Review and comment on draft EC for Dredge Clearance Surveys by PDT.
 - b. Review and comment by Districts, MSCs, and Industry
 - c. Provide comments to EN for finalization of EC for Dredge Clearance Surveys
 - d. Participate in the revision of appropriate sections of Hydrographic Survey Manual EM to ensure consistency with EC.

4. **Final Product(s):** A document that contains revised standards, methods and guidance for conducting hydrographic surveys in a way that minimizes costs associated with channel maintenance and maintains survey quality.

5. **Initiative Leader:** Eddie Wiggins (CE-ERD-HV-T)

6. **Team Members:** Terrell Smith (CESWG), Steve Reid (CESAM), Barry Vessels (CELRL), Dave Gordon (CEMVS), Jim Adair (CEPOA), Elizabeth Smock (CENWP), John Tavolaro (CENAN)

7. **Schedule:**

a. District & MSC review and comments	04-2012
b. Industry review and comments	05-2012
c. Consolidate comments	06-2012
d. Provide to EN	07-2012
e. Participation in update of manual	08-2012

8. **Status/Progress:** Work ongoing, but little progress in last year to due low priority of this effort within team leader's other duties.

9. **Resources:** Team leader funded by R&D and ERDC internal funding. Team members are funded by O&M.

Strategic Navigation Initiative Summary
Project Sustainability, Dredged Material Management Plan (DMMP) Revision Process, 2-10

1. **Purpose/Objective:** Create dredged material management plans (DMMP) for existing dredged material placement sites (DMPS) that insure optimum site capacity and site longevity in part by improving the process to determine additional placement options.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal and Inland
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 2, improved business processes.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation,
3. **Scope:**
 - a. Inventory existing dredged material disposal sites, both upland and aquatic.
 - b. Determine current dredged material volume in the site.
 - c. Review current guidance while estimate remaining capacity in years
 - d. Propose methods for conducting low cost reviews **of capacity and guidance for using ecosystem improvement BU opportunities as the primary means to increase capacity**
 - e. Implement review comments for increasing capacity, document success.
4. **Final Product(s):** Baseline condition assessment; process improvement guidance; Documentation of initiative results
5. **Initiative Leader:** SWG representative, TBD
6. **Team Members:** TBD
7. **Schedule:** TBD
8. **Status/Progress:** Not yet started, no progress
9. **Resources:** Not yet identified, likely O&M

Strategic Navigation Initiative Summary
INDT Standardized Lock Components, 2-11

1. **Purpose/Objective:** Standardizing of lock components will reduce design delivery time, capitalize on lessons learned, build on proven technologies, and reduce spare parts inventory.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Inland
 - b. **Corps Functional Area Supported:** Engineering
 - c. **Navigation Strategic Vision Area and Activity Supported:** 3 Manage the MSC as a system and 2, improved business processes,
 - d. **CW Strategic Goal(s) Supported:** 1 assist in providing for safe and resilient communities and infrastructure and facilitate commercial navigation
3. **Scope:** Execution of the project will be undertaken in a series of specific tasks as outlined below:
 - a. USACE navigation Business Line Managers will be canvassed for their inputs. They will be made aware of the need to standardize components as well as the benefits.
 - b. The Inland Navigation Design Team (INDT) will be canvassed for their ideas. Their ongoing efforts to share lessons learned, both good and bad will be used.
 - c. The Inland Marine Transportation System (IMTS) Work Group will be canvassed for their ideas and used as an oversight group.
 - d. O&M budget managers will be encouraged to create a culture of system thinking and impart relevant objectives to engineering to incorporate standardization.
 - e. Hydraulic Steel Structures (HSS) training for engineers will be used to help communicate best practices for design and engineering
 - f. Input from PIANC
4. **Final Product(s):** Guidance documents will help to achieve standardization, MSCs need to be provided direction from a central source. Budgetary requirements/criteria. We will explore budgetary requirements that ensure applicable budgetary items such as machinery replacement have met standardization criteria/methods. HSS training material and course schedules will be modified.
5. **Initiative Leader:** Jeff Stamper, MVS
6. **Team Members:** John Clarkson, LRH; Steve Stoltz, LRP; Tim Paulus, MVP; Brendon McKinley, LRH; Tom Hood HQUSACE
7. **Schedule: Days after receipt of funding**

a. Team Developed	30 days
b. Input from Business Line mgr and INDT (initial guidance)	60 days
c. Input from IMTS	90 days
d. O&M Budget Mgs, Hydraulic Steel Structure Training and PIANC	120 Days
e. Final Products (draft) – guidelines, budgetary, HSS	210 days
8. **Status/Progress:** Work not funded, no progress
9. **Resources:** Not yet identified or budgeted

**Strategic Navigation Initiative Summary
AIS/LOMA at Locks, 2-12**

1. **Purpose/Objective:** Develop the Automatic Identification System (AIS) to improve lock operations, data collection and navigation safety through development of the Lock Operations Management Application (LOMA). LOMA will increase lock operator situational awareness, automate lock operations data collection, gather and share information with other waterways stakeholders to improve the efficiency, reliability and safety of inland navigation.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Inland and coastal
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 2, improved business processes, 3 Manage the MSC as a system.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation, 1 assist in providing for safe and resilient communities and infrastructure
3. **Scope:** LOMA will provide the capability to use AIS at locks and other waterway locations, including an AIS equipment package, installing and operating AIS service management software and hardware, and providing a lock operator interface. LOMA is develop interfaces to other systems and data sources, including lock operations data, industry-supplied cargo and commodity data and information from other agencies, in particular AIS data exchange with the US Coast Guard.
4. **Final Product(s):** A framework for the collection and dissemination of real-time and near-real-time navigation information including the necessary hardware, software and services for an AIS network, including AIS transceiver equipment at most Corps locks. A web-based lock operator interface. LOMA, is being developed to allow lock operators to access and update information. Interfaces with external data sources and systems, including industry-provided information on vessel voyages and cargoes, navigation information for and from other government agencies (e.g., USCG, IRS, CBP), and value-added information and services for industry.
5. **Initiative Leader:** Brian Tetreault
6. **Team Members:** Danny Marshall, ERDC; Ginny Pankow, IWR-NDC; Lee Whitlow (ERDC); Joe Giambrone (ERDC); Michael Fontan, ACE-IT, John Trivett ACE-IT; Marlene Garlick, ACE-IT; Sharon Stairs, CE-CI; David Johnson, IMTS.
7. **Schedule:**

a. LOMA 2.0 Phase 2 delivery	January 2012
b. Lock equipment delivery	Jan-Jun 2012
c. LOMA 2.0 training	Spring 2012
d. IA approval	April 2012
e. LOMA 2.0 Phase 3 delivery	May 2012
f. LOMA 2.0 final acceptance	September 2012
8. **Status/Progress:** Work is ongoing/progress is satisfactory
9. **Resources:** LOMA development funded by R&D; AIS equipment is funded by District O&M

**Strategic Navigation Initiative Summary
Lock Operator Uniforms, 2-14**

1. **Purpose/Objective:** Review and update the existing O&M Uniform Program to take into consideration the current National economy and resulting budget priorities, and more recent policies on uniform purchase. The current uniform program has had varying degrees of success in meeting the uniform needs of approximately 2,300 USACE O&M personnel at lock and dam projects and aboard USACE floating plant.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Both Inland and Coastal
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 2, Improve Business practices
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation
3. **Scope:** Review current USACE Engineer applicable documents to ensure their applicability in today's economic environment along with the existing uniform contract and alternative strategies for procuring uniforms. A project team was formed, plan developed, and presented to various groups.
4. **Final Product(s):** The development of an O&M Uniform Program PMP that applies to all appropriate project and floating plant personnel who should or must wear an identifying uniform as part of their daily activity or in accordance with their job description.
5. **Initiative Leader:** Mike Kidby (HQ) and Aaron Mcgee (SWL)
6. **Team Members:** David Bethurum (LRN); Anita Jarrett (LRN); Kathy Griffin (LRP); Jim Piper (MVR); Scott Diehl (NWD); Rhonda Johansen (MVR); Liz Dvorak (HR Center)
7. **Schedule:** NA at this time.
8. **Status/Progress:** Effort on hold due to funding limitations, no purchases under the national program until funding is received and all options explored. Options include
 - a. Maintain the uniform program at its current 51-item level ;
 - b. Reduce the uniform program to a minimal required uniform,
 - c. Share the specifications for these items (with Impact and Implementation (I&I) Bargaining with labor unions likely being required) with the existing uniform coordinator network, and have the reduced number of items purchased locally;
 - d. Eliminate the uniform program entirely to reduce O&M expenditures

9. **Resources:** NA at this time

Strategic Navigation Initiative Summary
The Navigation Research Area Review Group, 2-18

1. **Purpose/Objective:** Provide a summary of the 9 Navigation R&D programs, seeking feedback and prioritization of future research from designated representatives. This feedback and prioritization is crucial in ensuring that the Navigation R&D program is addressing the most important problems of today and strategically laying the technical foundation for tomorrow's challenges
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal and Inland
 - b. **Corps Functional Area Supported:** Operations, Engineering, Planning
 - c. **Navigation Strategic Vision Area and Activity Supported:** 2, improved business processes, 3 Manage the MSC as a system.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation, 1 assist in providing for safe and resilient communities and infrastructure
3. **Scope:** The 9 R&D programs that comprise the overall Navigation R&D portfolio are: 1) Dredging Operations and Environmental Research , 2) Regional Sediment Management, 3) Monitoring Completed Navigation Projects, 4) Navigation Systems, 5) Coastal Inlets Research Program, 6) Inland Electronic Navigation Charts, 7) Coastal Zone Mapping and Imaging LIDAR, 8) Dredging Operations Technical Support, and 9) Navigation Structures
4. **Final Product(s):** Development of ranking input by the field of new navigation R&D initiatives each fiscal year.
5. **Initiative Leader:** Jeff Lillycrop, ERDC
6. **Team Members:** James Walker, CECW-COCD, Navigation BL Manager, R&D program managers, Eddie Wiggins, ERDC, Navigation Systems, Todd Bridges, ERDC, DOER PM; Linda Lillycrop, ERDC – RSM, Lynn Hales, ERDC, MCNP PM, Julie Rosati, ERDC, CIRP PM, Bob Mann, ERDC, IENC PM, Jennifer Wozencraft, Coastal Mapping PM, Douglas Clarke, DOTS PM
7. **Schedule:**

a. Expand Participation and conduct RARG	April 2010
b. Annual RARG Meeting (Portland)	April 2011
c. Annual RARG Meeting (Vicksburg)	April 2012
d. Annual RARG Meeting – TBD	April 2013
8. **Status/Progress:** Work is ongoing/progress is satisfactory
9. **Resources:** Leader and PMs funded out of R&D; Field participation funded by O&M and GE

Strategic Navigation Initiative Summary
Dredging Windows Assessment and Revisions for Sea Turtles (DWAR-Sea Turtles), 3-1

1. **Purpose/Objective:** Assimilate biological and historical incidental take data for sea turtles associated with dredging projects and develop project-specific risk-assessment analyses to revise current dredging windows for sea turtles.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 3.2.2, Establish practices based on advanced science that optimize environmental windows
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation
3. **Scope:** Gain and assimilate scientific data and documentation with which to refine or eliminate site-specific dredging windows for sea turtles. Specific areas of investigation include:
 - a. Part I- Scientific Data Documentation and Analyses including turtle take data, turtle biological data, satellite tagging data, and developing an online USACE-Take Risk Assessment Program (TRAP) for Sea Turtles.
 - b. Part II- Collaboration and Coordination with National Marine Fisheries Services and other agencies.
 - c. Part III - Field Implementation of Revised Dredging Windows focusing on field demonstration.
4. **Final Product:** While there are many intermediate products, the final product is implementation of revised dredging windows coordinated with the DWAR-Sea Turtle Task Force and associated NOAA Biological Opinions.
5. **Initiative Leader:** Dena Dickerson (ERDC –EL)
6. **Team Members:** Multiple ERDC biologists and analysts, several HQ proponents, and multiple District environmental coordinators/specialists.
7. **Schedule:**

a. Part I, Turtle take and incidence data	10-13
b. Part II, Collaboration and Coordination	09-14
c. Part III, Field Implementation of Revised Environmental Windows	04-15
8. **Status/Progress:** Not yet funded, no progress
9. **Resources:** Likely funding sources are R&D (DOER program) and O&M (Dredging Operations and Technical Support (DOTS))

Strategic Navigation Initiative Summary

Dredging Windows Assessment and Revisions for Threatened and Endangered Species(DWAR-TES),3-2

1. **Purpose/Objective:** Assimilate biological and historical incidental take data for high priority TES associated with dredging projects and develop project-specific risk-assessment analyses to revise current dredging windows for the identified TES.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Both Inland and Coastal
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 3.2.2, Establish practices based on advanced science that optimize environmental windows
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation
3. **Scope:** Gain and assimilate scientific data and documentation with which to refine or eliminate site-specific dredging windows for identified TES. Project will be undertaken in a series of specific tasks as outlined below:
 - a. Part I -TES Prioritization including quantifying TES impacts to CE Navigation Program
 - b. Part II -Scientific Data Documentation and Analyses (for high priority TES)
 - c. Part III - Collaboration and Coordination including establish a DWAR-TES Task Force for each high priority TES (USACE, NMFS, USFWS, state agencies, academia)
 - d. Part IV - Field Implementation of Revised Dredging Windows including demonstration sites, coordination with resource agencies and implementing revised dredging windows.
4. **Final Product(s):** Compiling and assimilating the scientific data for high priority TES to support revisions in the current dredging windows and coordinate among all parties as necessary to implement the identified revisions.
5. **Initiative Leader:** Dena Dickerson, ERDC-EL
6. **Team Members:** Multiple ERDC-EL biologists and research analysts; HQ support advisory team; multiple Division Navigation leaders and multiple District Environmental specialists.
7. **Schedule:**

a. Part 1 TES prioritization	01-13
b. Part 2 Scientific Data Documentation and Analysis	09-14
c. Part III –Collaboration and Coordination	09-14
d. Part IV – Field Implementation of revised dredging windows	04-15
8. **Status/Progress: Not yet funded, no progress**
9. **Resources:** No funding is currently in place for the DWAR-TES initiative. Given the national significance of the DWAR-TES initiative to the USACE Navigation Mission and Navigation Strategic Vision, this work could be designated as an initiative of the National Dredging Center as well as specific tasks under the Dredging Operations and Environmental Research (DOER) Program and/or the Dredging Operations and Technical Support (DOTS) program. Due to the magnitude and level of impact to the USACE Navigation Mission and the overall national

dredging program, the DWAR-TES initiative should be designated as a separate program either with direct allotted funding or funding through USACE District support.

Strategic Navigation Initiative Summary
Coastal Environmental Issues, 3-3

1. **Purpose/Objective:** Identify significant environmental issues impacting the Corps ability to maintain or improve coastal navigation projects, evaluate current approaches to resolving the issues, and develop guidelines or recommended solutions that will help the Corps address those issues regionally or across the nation to meet our navigation mission. The effort should identify problems but should also identify successes that may benefit other Corps districts or divisions.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 3.2, Establish practices based on advanced science that minimize environmental impacts, 2, improved business processes, 3 Manage the MSC as a system.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation,
3. **Scope:** Develop a list of environmental issues that are affecting or impairing the Corps ability to maintain authorized navigation projects in coastal areas, including the Great Lakes; establish a PDT with representatives from all coastal regions with expertise in coastal environmental issues; evaluate the derivation of those issues (legal, policy, conflict between federal and state/local requirements, local interpretations of requirements, other); and develop national guidelines to assist the field in addressing the issues and resolving conflicts when they occur
4. **Final Product(s):** development of a team to address coastal environmental issues (may be a sub-group of the National dredging team), a summary of coastal environmental issues that impact the Corps' ability to maintain authorized navigation projects, and guidelines for addressing those issues to improve consistency and reduce delays in project maintenance.
5. **Initiative Leader:** Eric Braun (CENWD)
6. **Team Members:** Kathleen Wu, CESWD; Carolyn Murphy, CESWG; Ed Creef, CEMVN, Helen Stupplebeen, CEPOD; Nedenia Kennedy, CESP; Dylan Davis, CESAD; Doug Piatkowski, CESAW; Mike O'Bryan, CELRE; Scott Pickard, CELRB; Rich Thorsen, CENAD; Joe Wilson, HQ; Dr. Todd Bridges, ERDC; Doug Clarke, ERDC; Ned Mitchell, ERDC; Edmund Russo, ERDC
7. **Schedule:**
 - a. Develop PDT 12 Aug 2011
 - b. Initial team meeting/task discussion 18 January 2012

- c. Team meetings/calls (frequency) Monthly
- 8. **Status/Progress:** Work is ongoing, progress is satisfactory
- 9. **Resources:** Funding for Division staff from GE account, ERDC from R&D, District staff?

Strategic Navigation Initiative Summary

Beneficial Use Summary, 3-4

1. **Purpose/Objective:** Quantify the amount of dredged material that is being used in a beneficial manner using data in the Dredging Information System (DIS)
2. **Strategic Alignment:**
 - a. **Navigation Application:** Both Inland and Coastal
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 3.2.2, Establish practices to maximize BU related to maintenance projects, 1, communicate value of navigation program, 2, improve business process
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation
3. **Scope:**
 - a. Gather information on existing tools that track quantities of dredging and dredged material management alternatives that are used by Operations at the Districts.
 - b. Compile existing information collected by DIS.
 - c. Identify other data bases that may be collecting information on beneficial use on both a regional level and national level, such as the National and Coastal Data Base (NCDB).
 - d. Define acceptable and consistent beneficial use categories that can be used in the Dredge Information System (DIS).
 - e. Review existing information that is collected by DIS and define potential improvements or links to other data bases to increase an accurate reporting account of beneficial use, while minimizing reporting burdens to District Operations.
4. **Final Product(s):**
 - a. A summary of cubic yards of beneficially used dredged material by Division and District available from the DIS and sorted by category. At the completion of the Strategic Navigation Initiative, recommendations will be prepared to improve reporting to obtain more accurate estimates.
5. **Initiative Leader:** John Childs (ERDC),
6. **Team Members:** Virginia Pankow, CEIWR-NDC; Tom Verna, CEIWR-NDC, Linda Lillycrop (ERDC), Jennifer Gerhardt-Smith, Contractor
7. **Schedule:**

a. Summarize BU quantities, based on existing info	04-12
b. Define BU categories	05-12
c. Modify DIS BU categories for reporting	07-12
d. Recommendations to increase accurate reporting	09-12
8. **Resources:** Funding from R&D
9. **Status/Progress:** Work progressing/satisfactory

Strategic Navigation Initiative Summary
Consistency of Managing Contaminated Sediments, 3-5

1. **Purpose/Objective:** Provide predictable and rational management outcomes for Dredged Material containing contaminants. This will be facilitated by updating the Ocean Testing Manual (OTM) and Inland Testing Manual (ITM) into one guideline document titled “Guidelines for Aquatic Management of Dredged Material: Testing, Evaluation, Assessment, and Management Manual (TEAMM).”
2. **Strategic Alignment:**
 - a. **Navigation Application:** Both Inland and Coastal
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 3, Manage the MTS as a system, 2, Establish Action Team to Prioritize and Develop Recommendations to IBP and Implement Asset Mgt, 1, Communicate Value of the Navigation Program
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation
3. **Scope:** The TEAM will provide state-of-the-practice technical guidance for determining the suitability of dredged material for disposal in marine and freshwater environments through consistent chemical, physical, and biological evaluations. Approaches and testing methods specified in the 1991 OTM and 1998 ITM guidance documents will be reviewed and, where needed, updated with new information, requirements, and/or technologies.
4. **Final Product(s):** “Guidelines for Aquatic Management of Dredged Material: Testing, Evaluation, Assessment, and Management Manual (TEAMM)” and an estimated three workshops to present the updated information to Corps, EPA, and other interested parties.
5. **Initiative Leader:** John Childs, ERDC
6. **Team Members:** Sheryl Carrubba, CENWP-OD-N, Paul Schroeder CEERD-EP-E, Guilherme Lotufo CEERD-EP-R, Daniel Averett, CEERD-EP-E, Doug Clarke, CEERD-EP, Todd Bridges, CEERD-EM-D
7. **Schedule:**

a. Begin Preparation of TEAMM	02 12
b. Complete First Review Draft	05 12
c. Complete Final Corps Document	09 12
d. Begin Workshops	11 12
e. Complete Workshops	03 12
8. **Status/Progress:** Work is ongoing/progress is satisfactory
9. **Resources:** Funded by O&M

Strategic Navigation Initiative Summary
Low Use Navigation Project Demonstration, 3-6

Will be supplied separately at the Workshop

Strategic Navigation Initiative Summary
Development and Implementation of USACE Maintenance Management (MM) Strategy, 3-7

1. **Purpose/Objective:** To adapt existing best practices to maximize the effectiveness of maintenance across the organization; and to develop recommendations for development, codification, and deployment of processes, procedures, and tools that are required to actualize a nationally consistent USACE Maintenance Management (MM) strategy.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal and Inland
 - b. **Corps Functional Area Supported:** Operations, Engineering
 - c. **Navigation Strategic Vision Area and Activity Supported:** 2, improved business processes, 3 Manage the MSC as a system.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation, 1 assist in providing for safe and resilient communities and infrastructure
3. **Scope:** Maximizing the effectiveness of maintenance funds requires better planning, estimating, and scheduling of maintenance; moving from perception-based to fact-based maintenance decisions and budget work package creation; and developing a corporate method of measuring maintenance effectiveness. Specific steps include
 - a. Meeting of PDT to organize effort and allocate tasks.
 - b. Review existing maintenance management best practices and USACE MM Assessment report.
 - c. Review projected USACE maintenance needs and projected funding over next 5-25 years.
 - d. Determine methods of maximizing effectiveness of maintenance funding, including development of performance measures.
 - e. Combine reviewed elements to develop USACE MM strategy.
 - f. Development implementation plan to actualize the USACE MM strategy.
4. **Final Product(s):** Development and implementation of a nationally consistent MM strategy
5. **Initiative Leader:** Robert Leitch, HQ
6. **Team Members:** Brent Mahan, USACE Hydroelectric Dsgn Ctr, Harry Kitch, HQUSACE Planning Divi, Brian Sapp, SAD, Rick Granados, MVD, Larry Homich, LRD;, Ricky Raymond, MVS; Rick Werner,NWW, Randy Wilson, USACE Logistics Activity (ULA), Rob Baulsir, LRN, Donnie Martin, TVA
7. **Schedule:**

a. Initiate Task	Mar 2012
b. Produce draft report	May 2012
c. Produce revised report	Jun 2012
8. **Status/Progress:** Major effort will start in Mar 2012
9. **Resources:** Funding is from O&M

Strategic Navigation Initiative Summary
Floating Plant Strategic Plan (FPSP), 3-8

1. **Purpose/Objective:** Increasing costs for maintaining Corps floating plant have created the need to develop a floating plant strategic plan (FSFP). The first part of the FSFP will develop the minimum dredging fleet capital investment plan with the subsequent portion of the FSFP to examine large floating plant, e.g., cranes.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Both Inland and Coastal
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 2, Improve Business Process
 - d. **CW Strategic Goal(s) Supported:** 2, Help facilitate commercial navigation
3. **Scope:**
 - a. Develop expected dredging needs over next 5 to 10 years
 - b. Project industry capability and capacity over next 5 to 10 years
 - c. Determine level of support required to maintain acceptable level of risk to navigation.
 - d. Match acceptable level of risk with industry capabilities to determine size and composition of USACE Fleet.
4. **Final Product(s):** Floating Plant Capital Investment Plan, the first product will be the investment plan for the minimum dredging fleet.
5. **Initiative Leader:** Robert Leitch, CECW-CO
6. **Team Members:** Sheryl Carrubba (NWP), Mike Cox (MVR), Dylan Davis (SAD), Carl Dyess, (SAM), Mark Pointon (HQ – PID), Ken Goldberg (NAP), Ray Newman (MVN). John Cheek (LRD), Bill Gretzmacher (MDC), Kathie Sills (RM-F), Ray Donnelly (NAP)
7. **Schedule:**

a. Initiate Task (Minimum Fleet)	July 2011
b. Draft Report (Minimum Fleet)	Oct 2011
c. Final Report (Minimum Fleet)	Feb 2012
8. **Status/Progress:** Draft report completed Dec 2011, currently under review, final report expected May 2012. Progress is satisfactory.
9. **Resourcing:** Funded out of O&M

Strategic Navigation Initiative Summary
Coastal Navigation Structures (CNS) Condition Assessment Criteria, 3-9

1. **Purpose/Objective:** develop a process for assessing coastal navigation structures from a structural and functional perspective. These criteria will form the basis for making risk-based decisions for financial investments to repair a CNS reducing the risk of structural and functional failure and improve channel navigability, safety, etc. The methodology used will be based on Corps Asset Management principles.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 2, improved business processes, 3 Manage the MSC as a system.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation, 1 assist in providing for safe and resilient communities and infrastructure
3. **Scope:** Coastal navigation structure assessment criteria will follow the guidelines set forth by the Asset Management Team in HQ and build on the experiences from the inland navigation structure AM process development. Specific steps follow:
 - a. Meetings with Coastal Structure experts to provide the CNSAM guidelines and model developers with need background.
 - b. Coastal Engineering experts develop definitions for CNS structural deterioration levels and functional deterioration levels based a navigation, safety, etc.
 - c. Several expert elicitations are used to develop algorithms for probabilities of unsatisfactory performance for different types of CNS .
 - d. Two levels of structure condition assessment will be developed; a Tier 1 desktop assessment that will be done by annually by Districts. Structures identified in tier 1 that have the greatest risk of failure and greatest consequences of failure and may require a more detailed Operational Condition Assessment (OCA)
4. **Final Product(s):** Tier1 guidelines and web based model and OCA/ORA guidelines and a web based model for assessment of Coastal Navigation Structures
5. **Initiative Leader:** George Domurat
6. **Team Members:** George Nieves, NAD; David Richards, Eddie Wiggins, James Stinson, ERDC; James Clausner, Contractor, Bill Karaffa, LRD; Anne Sturm, SPF
7. **Schedule:**

a. Complete Beta OCAs	Jul 12
b. Draft CNSAM Guidance V1	Aug 12
c. Finalize CNSAM Guidance	Sep 12
d. Initial full OCA	Sep 12
e. CNS AM Guidance Training	FY13
8. **Status/Progress:** Work ongoing since May 2011, progress is satisfactory
9. **Resources:** Work is funded by Asset Management

Strategic Navigation Initiative Summary
Navigation Career Development Planning for Non-Engineers, 4-1

1. **Purpose/Objective:** Develop a set of nationally available resources for attracting, training and promoting non-engineering personnel essential to the execution of the navigation mission, including but not limited to engineering technicians, hydrographic surveyors/cartographers, licensed and unlicensed merchant marines, shore crews and supervisors, inspectors, and biologists.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal and Inland
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 2, improved business processes, 3 Manage the MSC as a system.
 - d. **CW Strategic Goal(s) Supported:** 2, help facilitate commercial navigation, 1 assist in providing for safe and resilient communities and infrastructure
3. **Scope:** This initiation will 1) develop a comprehensive lists of the job series that are presently used in support of the navigation mission , 2) develop materials for outreach to attract new employees from colleges, technical schools and industry 3) identify training and work details that will build the technical skill set necessary for execution of the Navigation Mission
4. **Final Product(s):** A handbook of Strategies for Supervisors for the recruitment, training and development of employees to execute the Corps Navigation Mission and a Career Path Guidance for Navigation Employees
5. **Initiative Leader:** Sheryl Carrubba, NWP
6. **Team Members:** Human Resource Expert(s), such as admin officers, personnel specialists, Labor relations expert; Hiring managers from Hopper, Pipeline, and Dustpan; Hiring Manager from Hydrographic Survey CoP; District Managers with dredge contracting and inspection responsibilities
7. **Schedule:**

a. Initiate Task	04-12
b. Presentations, Nat Dredge Mgt	05-12
c. Develop PDT and tasks	10-12
d. Identify Navigation Support Positions; Review Position Descriptions; identify career paths; Develop Training, Guidance, and Resource Requirements; Develop outreach plans	
e. Develop draft handbook	04-13
f. Finalize and implement handbook	10-13
8. **Status/Progress:** Work not yet started
9. **Resources:** O&M

Strategic Navigation Initiative Summary
Succession Planning for Navigation Engineers, 4-2

1. **Purpose/Objective:** Evaluate career status of USACE engineering staff involved with the Navigation Business Line and plan and develop a path forward to ensure continued development and succession of Navigation Engineers within the program. Note, this SNI meshes closely with SNI #4, but Navigation Career Development Planning for Non-Engineers.
2. **Strategic Alignment:**
 - a. **Navigation Application:** Coastal and Inland
 - b. **Corps Functional Area Supported:** Operations
 - c. **Navigation Strategic Vision Area and Activity Supported:** 4, Develop USACE Human Capital Management Strategy for Navigation
 - d. **CW Strategic Goal(s) Supported:** 5, Build and sustain a high quality, highly dedicated workforce
3. **Scope:** This initiative will 1) evaluate career status of USACE staff involved with the Navigation Business Line, 2) plan for and identify career development opportunities for navigation engineers to ensure a strong and sustainable workforce, and 3) develop a path forward to ensure succession of Navigation Engineers and Management to meet the future needs of the USACE Navigation program. These activities will be leveraged with the Navigation Program Initiative # 20-Navigation Career Development Plan as necessary
4. **Final Product(s):** A Comprehensive Action Plan for Succession Planning for Engineers within the Navigation Program.
5. **Initiative Leader:** James Walker HQ USACE
6. **Team Members:** Sheryl Carrubba, NWP; others TBD
7. **Schedule:**
 - a. FY 11 Presentations, National Dredging Meeting, WEDA, Infrastructure Conference
 - b. Initiate Task 03 12
 - c. Complete PMP 04 12
 - d. Develop PDT and Tasks 05 12
 - e. Determine Career Status 10 11
 - f. Identify Gaps TBD
 - g. Identify Career Opportunities TBD
 - h. Develop Outreach Plan with Universities TBD
 - i. Develop Resource Needs TBD
 - j. Develop Draft Comprehensive Action Plan TBD
 - k. Review of Draft Comprehensive Action Plan TBD
 - l. Finalize & Implement Comprehensive Action Plan TBD
8. **Status/Progress:** New effort, not yet formally started
9. **Resources:** Likely O&M