



**US Army Corps
of Engineers**

Directorate of Civil Works



Deep Draft Navigation Planning Center of Expertise



Wilbert V. Paynes

South Atlantic Division

**U.S. Army Corps of
Engineers**



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My Presentation Today

Directorate of Civil Works

- **Mission**
- **Who we Are**
- **What have we done ---- Plan to do**
- **Center of Expertise Value Added**
- **How to Contact the Center**



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DDNPCX Location

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- **The Deep Draft Navigation Planning Center of Expertise was assigned to the South Atlantic Division in August 2003.**
- **The Center is based in Mobile District with membership from Corps Districts and Labs having Deep Draft Navigation responsibilities.**
- **Day-to-Day activities are managed by Mobile District.**





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DDNPCX Mission

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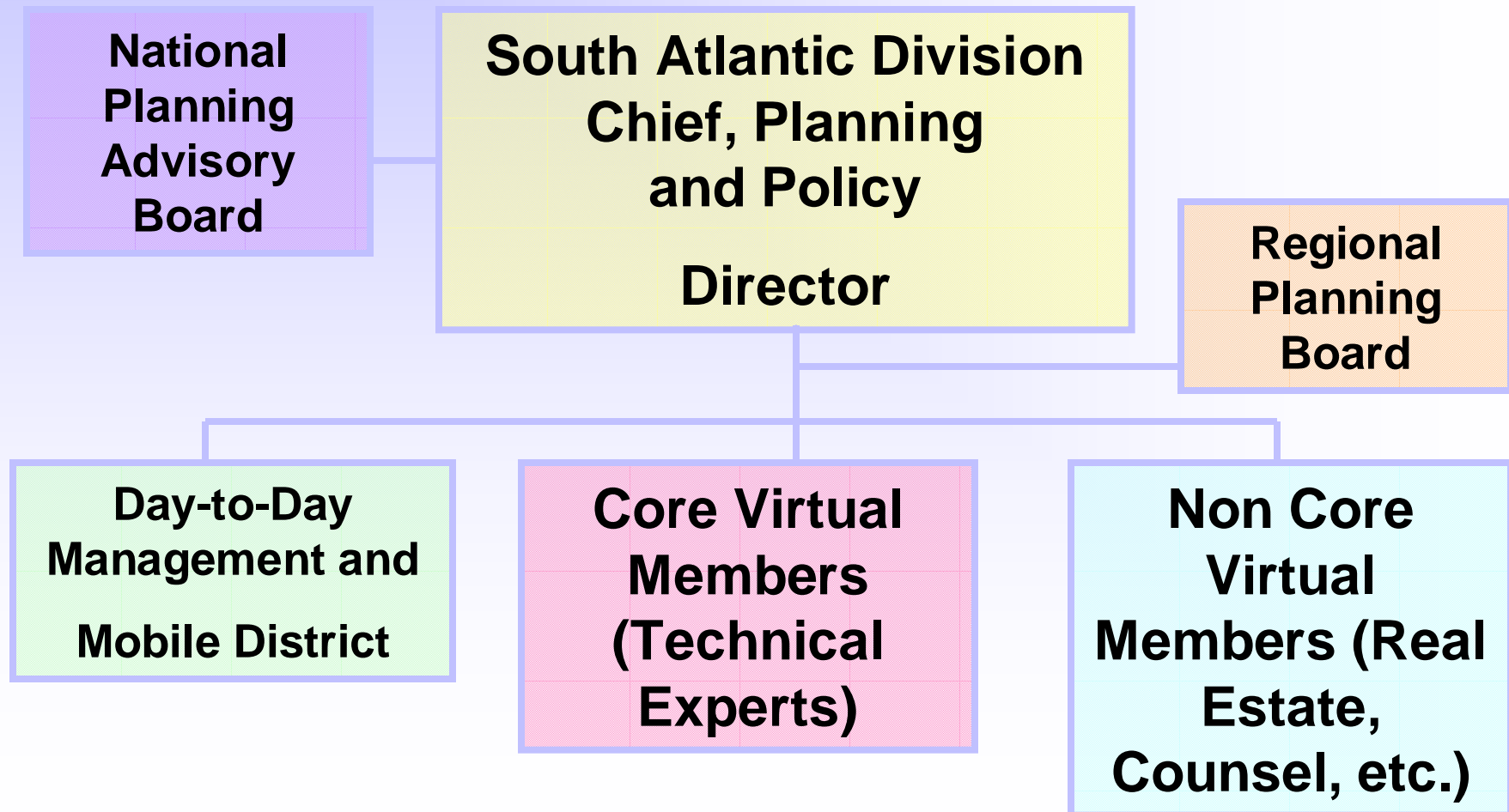
- **Support Project Delivery Teams**
 - Supports Development of Quality Authorization Decision Documents
 - Manage/Conduct Independent Technical Review
 - Manage External Peer Review
 - Certify Deep Draft Models used during the project planning phase
 - Facilitate/Identify Corps Expertise to assist PDTs
- **Deep Draft Navigation Expertise Training**
- **Support Research and Development**
- **Support Corps Budget Development**



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DDNPCX Organization

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DDNPCX Funding

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- **Project Funds for Independent Technical Review, External Review, conduct of technical studies**
- **Funding of Model certification (varies)**
- **HQUSACE funds guidance development and training classes**
- **Research & Development funds technology transfer and field review**



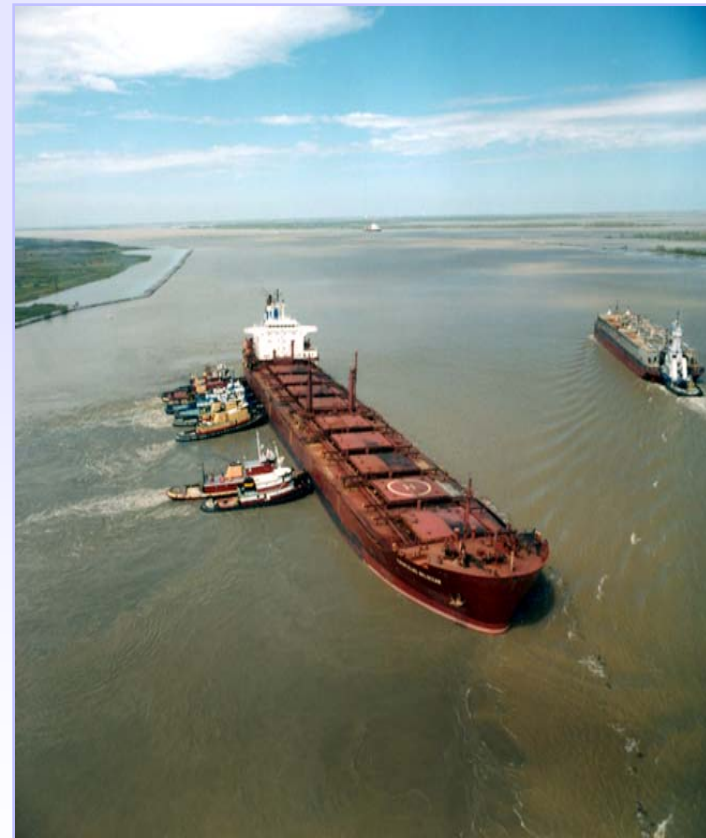


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DDNPCX FY '05 Accomplishments

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- **Independent Technical Reviews**
- **NETS Field Review Group**
- **Draft Review Guide**
- **NED Manual Update**
- **DDNPCX E-Mail List**
- **Participated in National Association of Port Authorities Meeting**
- **Navigation Business Line Meeting**
- **Expert Economic Advice**
- **Testing the HarborSym Model**
- **Groove Workspace**





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DDNPCX FY'06 & Current Initiatives

Directorate of Civil Works

- **Current ITR/Peer Reviews**
 - Sabine-Natchez Waterway, TX
 - Tampa Harbor, FL
 - Houma, LA
 - Galveston Channel, TX
 - Savannah Harbor, GA
 - Coastal Louisiana Hurricane Study
 - Matagorda Channel, TX
 - Port of Iberia, LA
 - Mobile Harbor, AL
 - MRGO, LA
 - Palm Beach Harbor, FL
- **Potential Reviews**
 - DeLong Mountain, AK
 - Nawiliwili Harbor, HI
 - Boston Harbor, MA
- **Documenting Review Plans**
- **FY '06 Planning Associates Class**
- **Consulting**
 - Morgan City, LA
 - Port St. Lucie, FL
- **Institute for Water Resources**
 - Marine Transportation Study
 - NETS Field Review Group
 - HarborSym Training
- **Model Certification**
 - Review HarborSym Documentation
 - Review Deep Draft WAM Model
 - Spreadsheet Certification Process
 - Develop SOP for Implementing Model certification
- **DrChecks Improvement Committee**



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Top Three FY 07 Objectives for the DDNPCX

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1. **Enhance relationship with Navigation Non Federal Partners and Stakeholders**
2. **Enhance & Broaden Relationships with Corps Districts and Divisions**
3. **Implement Planning Model Certification Guidance**





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DDNPCX Partnerships



- **ITR/Consulting** – *Buffalo, Galveston, Jacksonville, Mobile, New Orleans, New York, Norfolk, San Francisco, Savannah, Vicksburg, Wilmington.*
- **Field Review Group** – *Buffalo, Mobile, New Orleans, Norfolk, Portland, San Francisco.*
- **Technology Transfer** - *Jacksonville, Galveston, Mobile, New Orleans, Detroit, Norfolk, New York, Wilmington, Charleston, ERDC, IWR.*
- **R&D Activities** - *IWR, ERDC*
- **External Partnerships** – *Georgia Port Authority, Mississippi State Port Authority, Alabama State Docks, Ports of Iberia, Houma & Morgan City, LA., American Association of Port Authorities, National Academy of Sciences.*



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DDNPCX Value

Directorate of Civil Works

- **Brings National Expertise to your project**
- **In-depth Understanding of Corps Policies and Regulation**
- **Costs equivalent to PDT costs**
- **Participates in Issue Resolution Conferences and CWRB**
- **Provides Consistency in Study Analysis and Methodology**
- **Credibility to Product through Independence**



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Communications Strategy for DDNPCX

Directorate of Civil Works

- **Deep Draft Planner Roster**
 - Internal and External
- **National and Regional Conference Participation**
- **Website / Groove Workspace**
- **Conference Display**
- **Publish Articles**
 - Current PCX Activities
 - ITR Lessons Learned
- **Brochures**
- **Meet with AAPA**





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How to Engage the DDNPCX

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How to Engage the DDNPCX

Directorate of Civil Works

www.sam.usace.army.mil/ddncx





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DDNPCX Work Plan

Directorate of Civil Works



- **Administration**
- **ITR / Consulting**
- **Model Certification**
- **Training**
- **Research & Development**
- **Communications**



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DDNPCX Personnel

Directorate of Civil Works



- **Plan Formulation**
- **Coastal Environment**
- **Economics**
- **Engineering**
 - Hydrology & Hydraulics
 - Channel Design
 - Geotechnical
 - Cost Estimating
- **Operations**
- **Real Estate**



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DDNPCX Framework

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