

# DEEP DRAFT NAVIGATION PLANNING CENTER OF EXPERTISE

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Planning Center of Expertise

South Atlantic Division

Atlanta, GA

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US Army Corps of Engineers  
**BUILDING STRONG**®



# DDNPCX Location

- The Deep Draft Navigation Planning Center of Expertise was assigned to South Atlantic Division August 2003.
- The Center is virtual - membership from expertise in Corps Districts and Labs.
- Day-to-Day technical activities are conducted and managed by Mobile District.



# Vision

**Provide world class technical analysis and leadership in deep draft navigation planning to support USACE and the Nation recommendations for improvements.**

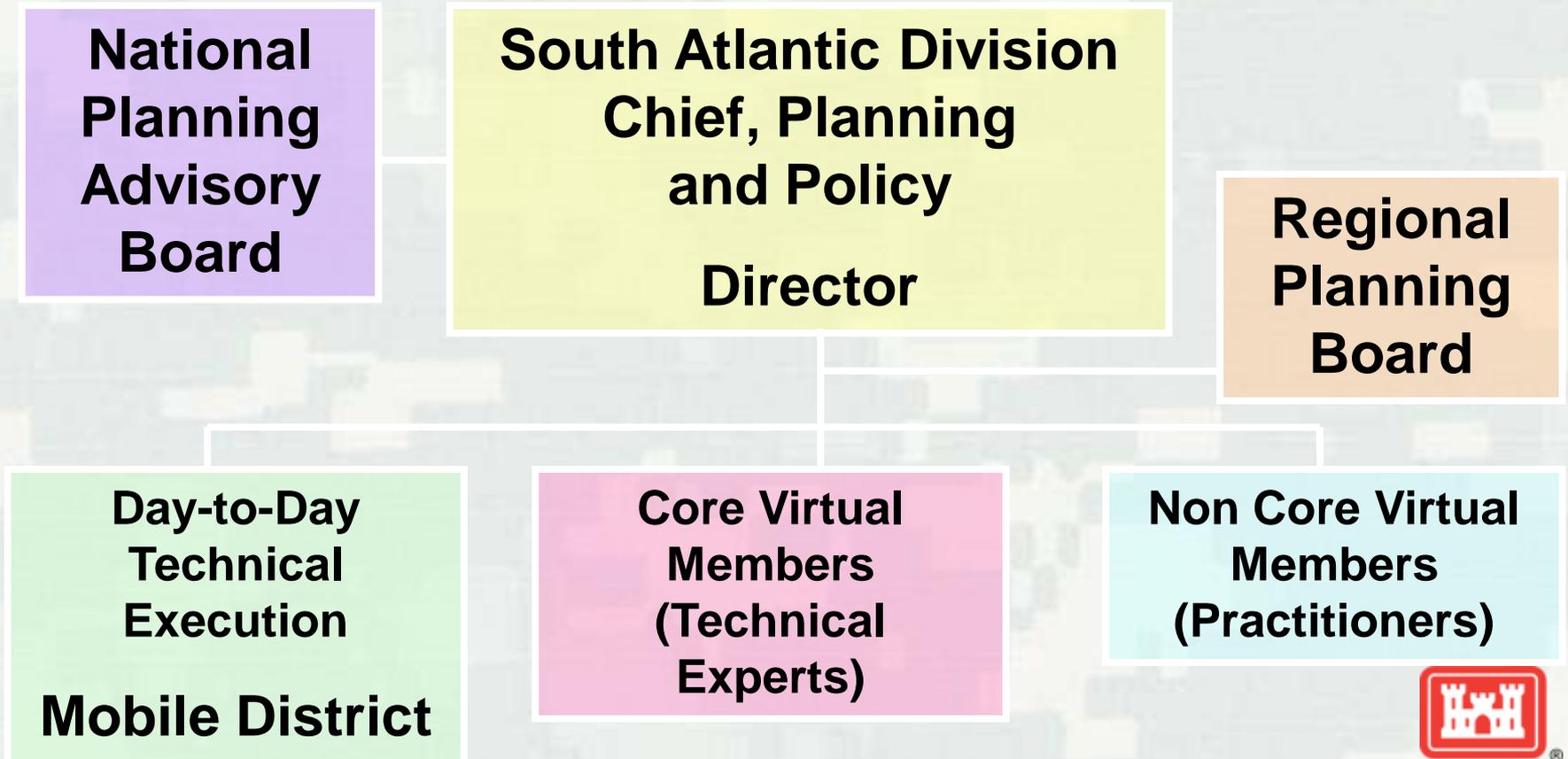


# Mission Responsibilities

- Perform complex economic studies
- Conduct and Manage Agency Technical Review
- Manage Independent External Peer Reviews
- Facilitate model certifications
- Provide planner training
- Strengthen planner competencies for Project Delivery Teams with technical expertise
- Provide Research and development support and advice



# DDNPCX Organization



# Deep Draft Nav PCX – Key Technical Resources

- Curtis Flakes, Mobile – Technical Resource Leader
- Bernard Moseby, Mobile – Technical Deputy Director
- Johnny Grandison, Mobile – ATR /IEPR Coordinator
- Kim Otto, Bernard Moseby, Todd Nettles, Gloria Appel /Frank Reynolds – Center Planners / Economists
- Terry Stratton and Dr. Dave Moser - Economic Advisors
- Paul Bradley, Mobile – Environmental Advisor
- Todd Boatman, Mobile – R&D Liaison
- Leveraged other Expertise from across the Corps
  - ▶ Technical Subject Matter Experts
  - ▶ Policy Subject Matter Experts
  - ▶ Planner w/ Significant experience



# DDNPCX Virtual Personnel



- Plan Formulation
- Environment
- Economics
- Engineering
  - ▶ H&H
  - ▶ Channel Design
  - ▶ Geotech
  - ▶ Cost Estimating
- Operations
- Real Estate



# Active Projects

- Savannah Harbor, GA & SC
- Port Everglades, FL
- Gulfport Harbor Widening, MS
- Jacksonville Harbor, FL
  - ▶ Mile Point
  - ▶ Deepening GRR
- Manatee Harbor, FL
- Sabine Natchez WW, TX
- Western Lake Erie Basin Watershed Study
- Boston Harbor, MA
- Tampa Channel Widening, FL
- Canaveral Harbor, FL
- DMMP Bridgeport Harbor, CT
- Freeport Harbor, FL
- Wilmington Harbor, NC
- Houma Navigation Canal Deepening, LA
- Corpus Christi Ship Channel, TX
- Sacramento River Deep Water Ship Channel, CA
- Mobile Harbor Turning Basin, AL
- Approx 15 Peer Review Plans



# Other DDNCX Activities

- Agency Technical Reviews
- Independent External Peer Reviews
- Model Certifications
- Technical Review Guide
- Deep draft navigation Manual Update
- Navigation Business Line Meetings
- Expansion of HarborSym Models
- Planning Associates (PA) Training
- Spreadsheet Model Certification Protocol



# Deep Draft Navigation Projects and WRDA

- Boston Harbor, MA 2010
- Savannah Harbor, GA & SC 2010
- Sabine-Neches Waterway, LA 2010
- Houma Navigation Canal Deepening, LA 2010
- Port Canaveral (Sec 203) 2010
- Barbers Point Harbor, Oahu, HI 2011
- Port Everglades, FL 2011
- Jacksonville Harbor – Mile Point, FL 2011
- Freeport Harbor, TX 2011
- Jacksonville Harbor Deepening, FL 2012
- Manatee Harbor, FL TBD
- Portsmouth Harbor, NH TBD
- Searsport Harbor, ME TBD
- Tampa Harbor, FL TBD



# FY 2010 Initiatives

## DDNPCX

- Collaborate with Institute of Water Resources to advance development of Container Model
- Conduct DDN Workshop training with Corp expertise, industry and consultants
- Plan and Conduct webinars on DD Navigation policy issues
- Improve DDNCX webpage information for Project Delivery Teams
- Strengthen Relationship with Port Associations



# DDNPCX Funding

- Direct Project Funds for review and consulting services as well as model certification.
- HQUSACE funding for development of guidance and training classes.
- R&D funding for field review.
- Funding for basic Center work major concern.



# Deep Draft Navigation Study Challenges/Opportunities

- Establishing National Economic Development Project Benefits – data intensive process
- Working through environmental impacts
- Beneficial use of Dredging Material
- Integrated watershed plans
- Sustainable Development
- No Unresolved issues when presented to ASA(CW)
- Rigorous Review Process (internal & External to Corps)



# QUESTIONS?



**Deep Draft Planning Center of Expertise**

[www.sam.usace.army.mil/ddncx](http://www.sam.usace.army.mil/ddncx)

