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Subject: Inland Navigation Design Center Mandatory Center of Expertise

Applicability: Information

1. This ECB announces the standup of the USACE Inland Navigation Design Center (INDC) Mandatory Center of Expertise (MCX).
2. Introduction. In August 2007, the National Technical Competency Team (NTCT) was established to determine the technical competencies needed to meet future USACE needs, to analyze gaps in technical competency, and to make recommendations to enhance and maintain technical competency and professionalism. The NTCT recommended the establishment of a design center for inland navigation projects. The establishment of a center found direction under the USACE Civil Works Transformation initiative. On 15 January 2013, the Chief of Engineers endorsed the standup of a navigation design center. Command and control of the center is provided by Commander, Mississippi Valley Division (MVD). Execution of the center's functions will be accomplished jointly by the Rock Island and Pittsburgh Districts. HQUSACE also established the Inland Navigation Design Oversight Committee (INDOC), which provides oversight and guidance for the INDC.
3. Mission. The mission of the INDC is to provide engineering, design, and review services for studies, new locks, new navigation dams, major rehabilitation of inland navigation locks and dams, and select inland navigation lock and dam O&M projects.
4. Goals. The INDC has two goals. The first goal is to develop, maintain and strengthen technical competence, and the second goal is to deliver quality products and services in accordance with mission objectives.
5. Roles and Responsibilities. The INDC will serve as a national Mandatory Center of Expertise (MCX) that provides technical advice, oversight, and design production during planning, design, construction and O&M of all aspects of inland navigation design projects across USACE, including currently authorized projects. The INDC will be the designer of record, assign and approve the lead engineer, and provide engineering and design services for major capital projects including new locks, new navigation dams, and major the rehabilitation of locks and navigation dams. Production for select inland navigation lock and dam O&M projects may be performed by a home district's engineering staff, or in combination with staff from the INDC if the home district does not have the capability or expertise. The INDC will ensure that independent review of all new construction, major rehabilitations, and O&M for inland navigation lock and dam projects is accomplished in accordance with USACE regulations, policy and guidance. The INDC will be the HQUSACE and ERDC primary point of contact for all inland navigation engineering and design related issues and resource needs.
6. Execution. The primary method of delivery for the design of inland navigation projects will be to utilize MVD and LRD in-house technical expertise. Review will be appropriately coordinated utilizing resources identified through CERCAP (Corps of Engineers Review Certification and Access Program). Expert resources

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from across the Corps, A/E services, and Academia will be engaged if the workload demands or specialization dictates. The INDC will develop and maintain an agile and flexible workforce capable of executing projects across a broad range of funding scenarios.

7. Policy. The INDC will operate under an Engineer Regulation that defines the roles and responsibilities as an MCX. Pending official publication of the ER, MSCs, districts, laboratories and Field Operating Activities are required to engage the INDC for all inland navigation activities summarized in this ECB.

8. Questions and requests for support should be directed to the INDCMCX Director, Mr. Denny Lundberg, MVR, 309-794-5226. Mr. Lundberg can also be reached at the INDC Mailbox, INDC-MCX@usace.army.mil

9. The point of contact for this ECB is Mr. Richard Ludwitzke, CECW-CE, 202-761-1580.

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