

Date	Type Document	Author or Proponent	Document Title	Action or Requirement	Notes	Document Location
6/21/1989	Memo	Ohio River Division	Organization and Functions: Ohio River Division Navigation Planning Center	Established a center in Huntington District to provide support for navigation planning studies in the MSC, other Districts and other Federal agencies.	Pre-dates establishment of the USACE National Planning Centers of Expertise.	LRD (formerly ORD) memo not found online. Available in the PCX-IN files by request.
12/11/2000	Law	Congress	Water Resources Development Act of 2000	Section 216 called for a National Academy of Sciences Study of the practicality and efficacy of Independent Peer Review of feasibility reports on water resources projects.	Pre-dates establishment of the USACE National Planning Centers of Expertise. The resulting report from NAS contained recommendations related to aspects of review management now performed by planning centers of expertise. See 2002 NAS Report below.	<a href="https://planning.erdc.dren.mil/toolbox/library/PI/WRDA2000.pdf">https://planning.erdc.dren.mil/toolbox/library/PI/WRDA2000.pdf</a>
1/1/2002	Report	National Academy of Sciences	Review Procedures for Water Resources Project Planning	Report contained over a dozen recommendations for establishing independent reviews of feasibility reports (i.e., outside of USACE). Many of the recommendations were adopted by the Corps and are evident in current review policy.	The report does not discuss or recommend planning centers of expertise but did recommend an Administrative Group for Project Review in either the office of the ASA(CW) or the Chief of Engineers.	<a href="https://www.nap.edu/catalog/10468/review-procedures-for-water-resources-project-planning">https://www.nap.edu/catalog/10468/review-procedures-for-water-resources-project-planning</a>
12/20/2002	Memo	Director of Civil Works (DCW)	Planning Excellence Program, Submittal of Major Subordinate Command Plans of Action	Noted prior MSC submittal of regional plans to concentrate specialized capability over time. Required each MSC to revise plans consistent with a three-tiered approach including "regional (physical) centers of expertise as appropriate to address present and future requirements for specialized planning expertise."	Paragraph 6 discusses Specialized Centers of Planning Expertise. Also noted OMB interest in having one USACE national center of planning expertise.	<a href="https://planning.erdc.dren.mil/toolbox/library/MemosandLetters/planex_req.pdf">https://planning.erdc.dren.mil/toolbox/library/MemosandLetters/planex_req.pdf</a>
4/16/2003	Memo	Director of Civil Works, CECW-P	Planning Centers of Expertise	Requested additional information from MSC to be considered for one of five business line-centered planning centers of expertise (inland NAV, deep draft NAV, flood damage reduction, hurricane and storm damage prevention and ecosystem restoration). Details requested included a listing of staff expertise and a physical location and concentration, and physical and virtual capability.		<a href="https://planning.erdc.dren.mil/toolbox/library/MemosandLetters/2003-08-25%20PCX%20Established%20CECW-P%20Memo%2025%20Aug%2003.pdf">https://planning.erdc.dren.mil/toolbox/library/MemosandLetters/2003-08-25%20PCX%20Established%20CECW-P%20Memo%2025%20Aug%2003.pdf</a>
8/25/2003	Memo	CECW-P	Planning Centers of Expertise	Designated MSC leads for five business line oriented Planning Centers of Expertise. MVD was designated as the Ecosystem Restoration National Planning Center of Expertise. Other designations were LRD for Inland Navigation, SAD for deep draft navigation, SPD for Flood Damage Reduction, NAD for Hurricane and Storm Damage Prevention, SWD for Water Supply and Reallocation, and NWD for Hydropower.	Note the names of some of the centers have changed over time to reflect risk communication (FRM & CSRM).	<a href="https://planning.erdc.dren.mil/toolbox/library/MemosandLetters/2003-08-25%20PCX%20Established%20CECW-P%20Memo%2025%20Aug%2003.pdf">https://planning.erdc.dren.mil/toolbox/library/MemosandLetters/2003-08-25%20PCX%20Established%20CECW-P%20Memo%2025%20Aug%2003.pdf</a>
1/1/2004	Report	National Research Council	U.S. Army Corps of Engineers Water Resources Planning: A New Opportunity for Service.	"Creating a means for drawing from Corps personnel across district lines and allowing Corps staff from its <b>centers of expertise</b> , such as the Corps Institute for Water Resources . . . and its Waterways Experiment Station . . . would allow the Corps to bring its best minds to bear upon its more complex planning studies?"	May not have been intended to relate to the Planning Centers of Expertise (planning centers are not mentioned).	<a href="https://www.nap.edu/catalog/10975/us-army-corps-of-engineers-water-resources-planning-a-new">https://www.nap.edu/catalog/10975/us-army-corps-of-engineers-water-resources-planning-a-new</a>
3/1/2004	Report	Engineer Inspector General	Inspection of Quality Management for Civil Works Planning	???	The EIG report is referenced in ER 5-1-14.	<a href="http://asktop.net/wp/download/28/ER%205-1-14%20USACE%20Quality%20Management%20System.pdf">http://asktop.net/wp/download/28/ER%205-1-14%20USACE%20Quality%20Management%20System.pdf</a>
5/31/2005	Engineer Circular	Executive Director of Civil Works, CECW-CP	EC 1105-2-408 Peer Review of Decision Documents	Outlined review procedures for studies including potential involvement of planning centers of expertise.	Expired 9/30/2007.	<a href="https://planning.erdc.dren.mil/toolbox/library/ECs/018_Peer%20Review%20of%20Decision%20Documents.pdf">https://planning.erdc.dren.mil/toolbox/library/ECs/018_Peer%20Review%20of%20Decision%20Documents.pdf</a>

10/1/2005	Report	Institute of Water Resources	First Annual Report - Planning Centers of Expertise	Documents the work of the centers in 2004 and 2005. Discusses background, funding, accomplishments and future work priority.	Indicates Planning Ahead includes a recurring article on the Planning Centers of Expertise. This could be a source of historic information on PCX evolution.	<a href="https://cops.usace.army.mil/sites/PLAN/pcx/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2Fsites%2FPLAN%2Fpcx%2FShared%20Documents%2FWR%20PCX%20ANNUAL%20REPORTS&amp;FolderCTID=0x0120007F2042C25F933E44B67054C06146EC3D&amp;View=%7B3FBA7202%2DF3ED%2D40BB%2D9CD1%2D36EAE5C2A9D%7D">https://cops.usace.army.mil/sites/PLAN/pcx/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2Fsites%2FPLAN%2Fpcx%2FShared%20Documents%2FWR%20PCX%20ANNUAL%20REPORTS&amp;FolderCTID=0x0120007F2042C25F933E44B67054C06146EC3D&amp;View=%7B3FBA7202%2DF3ED%2D40BB%2D9CD1%2D36EAE5C2A9D%7D</a>
5/5/2006	Memo	Director of Civil Works, CECW-CP	Planning Excellence Program and Maintaining Planning Capability	Requested MSC Commanders provide an update to action plans (reference memo of 12/20/2002).	In addition paragraph 7 is specific to Planning Centers of Expertise and notes "We need to standardize several aspects of the Centers to provide consistency -in mission statements, in major tasks, in membership, status report formats and in measuring success. In the next step of maturation, Centers should begin establishing relationships with appropriate regional and national experts in the Corps, academia, and the private sector."	<a href="https://planning.ercd.dren.mil/toolbox/library/misc/planexcellprogram.pdf">https://planning.ercd.dren.mil/toolbox/library/misc/planexcellprogram.pdf</a>
11/8/2006	Memo	Director of Civil Works	Support to Planning Centers of Expertise	Required notification to sponsors and stakeholders of the role of the PCX. Emphasized the emerging role of PCX in reviews. Included a set of metrics to be used to track the progress of the PCX. Set an expectation that MSC would request, justify and allocate appropriate general expense resources to support the PCX.	Note budget emphasis on requesting and allocating General Expense support for PCX.  Metric table calls for reporting twice a year.	<a href="https://planning.ercd.dren.mil/toolbox/library/MemosandLetters/supportPCX.pdf">https://planning.ercd.dren.mil/toolbox/library/MemosandLetters/supportPCX.pdf</a>
3/30/2007	Memo	Director of Civil Works	Peer Review Process	In developing Review Plans Commanders are responsible for closely coordinating with Planning Centers of Expertise.	Paragraphs 4 and 6 mention the Planning Centers of Expertise.	<a href="https://planning.ercd.dren.mil/toolbox/library/MemosandLetters/peer_rev_processes.pdf">https://planning.ercd.dren.mil/toolbox/library/MemosandLetters/peer_rev_processes.pdf</a>
11/8/2007	Law	Congress	Water Resources Development Act of 2007	Section 2033(e) enabled the establishment by the Secretary of Centers of Specialized Planning Expertise.	This section of the law describes duties that reflect much of the current responsibilities of the USACE Planning Centers of Expertise.  Note the law was enacted after the establishment of the PCX by USACE. The six year lag in passage of the WRDA may account for this anomaly (meaning the language may have been in earlier drafts of WRDA bills that were not passed)	<a href="https://planning.ercd.dren.mil/toolbox/library/PL/wrda2007.pdf">https://planning.ercd.dren.mil/toolbox/library/PL/wrda2007.pdf</a>
2/4/2008	Memo	Director of Civil Works	Division Commander Support of Planning Centers of Expertise	Requested a Division Commander briefing on each PCX for the Director of Civil Works. Briefings NLT 3/15/2008. Topics to cover current PCX structure, contributions to date Corps-wide, and PCX implementation plans to long-term stability and improvement.  Noted availability of Planning Support Funds for the PCX in the FY 2008 budget.	The document is available on HQ SharePoint site with PCX files - see link in next column.	<a href="https://cops.usace.army.mil/sites/PLAN/pcx/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2Fsites%2FPLAN%2Fpcx%2FShared%20Documents%2FCX%20Charters%20and%20Establishment%20Memos&amp;FolderCTID=0x0120007F2042C25F933E44B67054C06146EC3D&amp;View=%7B3FBA7202%2DF3ED%2D40BB%2D9CD1%2D36EAE5C2A9D%7D">https://cops.usace.army.mil/sites/PLAN/pcx/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2Fsites%2FPLAN%2Fpcx%2FShared%20Documents%2FCX%20Charters%20and%20Establishment%20Memos&amp;FolderCTID=0x0120007F2042C25F933E44B67054C06146EC3D&amp;View=%7B3FBA7202%2DF3ED%2D40BB%2D9CD1%2D36EAE5C2A9D%7D</a>
6/23/2008	Memo	Director of Civil Works	Planning Centers of Expertise-Mission, Roles & Responsibilities Statement and Small Boat Harbor Designation	Updated roles and responsibilities of the PCX. Noted the evolution of peer review and model review since the inception of the centers in 2003. Designated POD as the sub-center of expertise for small boat harbors.	Includes an enclosure with a detailed Mission Statement and Roles and Responsibilities for the PCX.	<a href="https://planning.ercd.dren.mil/toolbox/library/MemosandLetters/23June2008_MemoEstablishingSmallBoatHarborPCX.pdf">https://planning.ercd.dren.mil/toolbox/library/MemosandLetters/23June2008_MemoEstablishingSmallBoatHarborPCX.pdf</a>
8/22/2008	Engineer Circular	Executive Director of Civil Works, CECW-CP	EC 1105-2-410 Review of Decision Documents	Updated review procedures for studies including involvement of planning centers of expertise	Expired.	<a href="https://planning.ercd.dren.mil/toolbox/library/ECs/EC1105-2-410_22Aug2008.pdf">https://planning.ercd.dren.mil/toolbox/library/ECs/EC1105-2-410_22Aug2008.pdf</a>
3/12/2009	Memo	Assistant Secretary of the Army for Civil Works	Support to Planning Centers of Expertise	<b>Noted that since inception the centers have struggled with insufficient resources severely limiting their ability to fulfill their full potential as first envisioned. The ASA(CW) encouraged USACE to establish full time positions at the centers (on average 1-4 FTE). Directed development of a plan to fund the PCX in FY 2011 and beyond. The memo had an initial assessment that funding of \$3.5 million for FY 2011 would be appropriate.</b>	Stems from WRDA 2007 Section 2033(e). The memo was sent to the Deputy Commanding General for Civil and Emergency Operations.	<a href="https://planning.ercd.dren.mil/toolbox/library/WRDA/wrda07sec2033e.pdf">https://planning.ercd.dren.mil/toolbox/library/WRDA/wrda07sec2033e.pdf</a>

4/30/2009	Memo	Deputy Commanding General for Civil and Emergency Operations	Planning Centers of Expertise Future Workload	Directed each MSC to provide a workload project to each PCX including the anticipated number of Review Plans, ATR, IEPR, model certifications, etc... for FY09 (remainder), FY10 and FY11.  Resource needs will be included in Directorate Management Reviews.  Required an MSC briefing to DCGCEO on current structure and long-term sustainability.  Also required a J-sheet for PCX funding for FY2011 requests from the MSC for General Investigations.	See requirements in paragraph 5.	<a href="https://cops.usace.army.mil/sites/PLAN/pcx/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2Fsites%2FPLAN%2Fpcx%2FShared%20Documents%2FPX%20Charters%20and%20Establishment%20Memos&amp;FolderCTID=0x0120007F2042C25F933E44B67054C06146EC3D&amp;View=%7B3FBA7202%2DF3ED%2D40BB%2D9CD1%2D36EAD55C2A9D%7D">https://cops.usace.army.mil/sites/PLAN/pcx/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2Fsites%2FPLAN%2Fpcx%2FShared%20Documents%2FPX%20Charters%20and%20Establishment%20Memos&amp;FolderCTID=0x0120007F2042C25F933E44B67054C06146EC3D&amp;View=%7B3FBA7202%2DF3ED%2D40BB%2D9CD1%2D36EAD55C2A9D%7D</a>
1/1/2011	Report	National Academy of Sciences, National Research Council	National Water Resources Challenges Facing the U.S. Army Corps of Engineers	The report noted "The Corps also may wish to <b>carefully consider the future roles of its centers of expertise</b> . There is likely to be a need for greater efficiencies in future Corps planning efforts."	See page 22.	<a href="https://www.nap.edu/download/13136">https://www.nap.edu/download/13136</a>
3/31/2011	Engineer Circular	Executive Director of Civil Works, CECW-CP	EC 1105-2-412 Assuring Quality of Planning Models	Review procedures for studies including involvement of planning centers of expertise	Expired.	<a href="https://planning.erdc.dren.mil/toolbox/library/ECs/EC_1105-2-412_2011Mar.pdf">https://planning.erdc.dren.mil/toolbox/library/ECs/EC_1105-2-412_2011Mar.pdf</a>
4/15/2011	Engineer Regulation	U.S. Army Corps of Engineers (CECW-CE)	Corps-Wide Centers of Expertise Program	Describes process for establishing and maintaining expert designations under the Corps-Wide Center of Expertise Program. Includes various types of centers (Technical Centers, Centers of Standardization and Mandatory Centers).	Note the ER does not contain requirements for the Planning Centers of Expertise. Although some PCX may have complied with the requirements.	<a href="https://www.publications.usace.army.mil/Portals/76/Publications/EngineerRegulations/ER_1110-1-8158.pdf">https://www.publications.usace.army.mil/Portals/76/Publications/EngineerRegulations/ER_1110-1-8158.pdf</a>
1/31/2012	Engineer Circular	Chief of Staff, CECW	EC 1165-2-209 Review of Decision Documents	Review procedures for studies including involvement of planning centers of expertise	Expired.	<a href="https://planning.erdc.dren.mil/toolbox/library/ECs/EC1165-2-209_31Jan2012.pdf">https://planning.erdc.dren.mil/toolbox/library/ECs/EC1165-2-209_31Jan2012.pdf</a>
3/8/2012	Report	General Accounting Office	Peer Review Process for Civil Works Project Studies Can be Improved	Evaluated a number of independent peer review efforts from each PCX. Made three recommendations for the Secretary of Defense to direct the Chief of Engineers to change aspects of IPR (now called IEPR).	The ASA(CW) accepted two of the recommendations fully and one partially.	<a href="https://www.gao.gov/products/gao-12-352">https://www.gao.gov/products/gao-12-352</a>
8/22/2012	Report	Engineer Inspector General	Inspection of USACE Civil Works Review Process	The memo includes a list of the EIG recommendations. However, the full EIG report on the Civil Works Review Process is not part of this file.	There are three items combined into a single file. The three parts are the Chief's Acceptance of the EIG Inspection Report and two memos directing response actions at HQ and by each MSC. The memos to HQ and MSC are located on the first five pages of the file.	<a href="https://planning.erdc.dren.mil/toolbox/library/MemosandLetters/12Aug22-CWResponse_CWReviewProcess.pdf">https://planning.erdc.dren.mil/toolbox/library/MemosandLetters/12Aug22-CWResponse_CWReviewProcess.pdf</a>
8/22/2012	Memo	Chief of Engineers	Engineer Inspector General Inspection of USACE Civil Works Review Process (CWRP)	The Chief of Engineers accepted the EIG Report and adopted all of the recommendations.	This file located on the toolbox contains three items. The Chief of Engineers acceptance memo is found on the last three pages of the file.	<a href="https://planning.erdc.dren.mil/toolbox/library/MemosandLetters/12Aug22-CWResponse_CWReviewProcess.pdf">https://planning.erdc.dren.mil/toolbox/library/MemosandLetters/12Aug22-CWResponse_CWReviewProcess.pdf</a>
12/1/2012	OPORD	Acting Commander, USACE	Designation of the National Deep Draft Navigation Planning Center of Expertise (DDNPCX) as a Mandatory Center for the Production of All Deep Draft Navigation Related Economic Analyses	Requires that all economic analyses for deep draft harbors, including small boat harbors, be conducted by the DDNPCX.	The OPORD is not dated or signed (norm at the time).  Used 12/1/2012 as the date - correct later if actual signing date is found.	<a href="https://team.usace.army.mil/sites/HQ-CO/PDT/HQ-G33/_layouts/15/listform.aspx?PageType=4&amp;ListId=%7BEAE7C9FE%2D0600%2D4830%2D9715%2D42D035E16E7E%7D&amp;ID=861&amp;ContentTypeID=0x01006C6FA824A37EC149BE216ED57C209B0B">https://team.usace.army.mil/sites/HQ-CO/PDT/HQ-G33/_layouts/15/listform.aspx?PageType=4&amp;ListId=%7BEAE7C9FE%2D0600%2D4830%2D9715%2D42D035E16E7E%7D&amp;ID=861&amp;ContentTypeID=0x01006C6FA824A37EC149BE216ED57C209B0B</a>
6/20/2014	Law	Congress	Water Resources Reform and Development Act of 2014	Sec. 1044: Changes the way RMOs (PCXs) manage IEPR. Set new IEPR cost threshold, Congressional reporting, public availability of IEPR documents.  Sec. 2103 amends WRDA 2007, Sec. 2033(e) by consolidating the DDN-PCX (i.e. small boat harbors and deep draft navigation).		<a href="https://planning.erdc.dren.mil/toolbox/library/WRDA/wrda2014.pdf">https://planning.erdc.dren.mil/toolbox/library/WRDA/wrda2014.pdf</a>
9/30/2016	Memo	Commanding General, MVD	District Commander Responsibilities with Respect to Production Centers and Centers of Expertise	Spells out responsibilities for Districts and Centers with regards to production and review work.		MVD memo not found online. Available in the ECO-PCX files by request.
2/22/2018	Engineer Circular	Director of Civil Works, CECW	EC 1165-2-217 Review Policy for Civil Works	Covers multiple aspects of PCX involvement in reviews including Review Plans, ATR, IEPR, model review and milestone participation (page C-2).	Expected to be replaced by a new Engineer Regulation soon.	<a href="https://www.publications.usace.army.mil/Portals/76/Publications/EngineerCirculars/EC_1165-2-217.pdf?ver=2018-05-01-105219-217">https://www.publications.usace.army.mil/Portals/76/Publications/EngineerCirculars/EC_1165-2-217.pdf?ver=2018-05-01-105219-217</a>

4/13/2018	Director's Policy Memorandum	Director of Civil Works, CECW	Clarification of Policies on Review Plan Approvals, Type II IEPR Decision, and Regional Programmatic Value Engineering Studies	Under EC 1165-2-217 authority to approve Review Plans rests with MSC Commanders. This memo allowed an MSC Commander to delegate Review Plan approval to either the MSC Programs Director or the MSC Regional Business Director.	Also delegated authority to District Engineering Chiefs to determine the need for Type II IEPR.	<a href="https://planning.ercd.dren.mil/toolbox/library/MemosandLetters/DPM%20CW%202018-02.pdf">https://planning.ercd.dren.mil/toolbox/library/MemosandLetters/DPM%20CW%202018-02.pdf</a>
5/11/2018	Memo	Director of Civil Works, CECW-P	Delegation of Model Certification	Delegated authority for model certification to the Directors of the Planning Centers of Expertise.		<a href="https://planning.ercd.dren.mil/toolbox/library/MemosandLetters/DelegationModelCertification2018.pdf">https://planning.ercd.dren.mil/toolbox/library/MemosandLetters/DelegationModelCertification2018.pdf</a>
1/9/2019	Memo	Director of Civil Works, CECW-P	Policy and Legal Compliance Review	Allows use of PCX resources to support One Policy Review teams. PCX resources may serve as a review manager. Sets expectation that draft Review Plans will be made available within 30 days of study		<a href="https://planning.ercd.dren.mil/toolbox/library/Guidance/DPM-2019-01.pdf">https://planning.ercd.dren.mil/toolbox/library/Guidance/DPM-2019-01.pdf</a>
8/3/2020	Memo	CEPOD-PD	Reorganization of the Small Boat Harbor Planning Sub-Center of Expertise (SBH-PSCX)	Details intent of POD to reorganize the day-to-day functions of the SBH-PCX under the POD Chief of Planning.	Unclear if SAD (DDN-PCX) replied with concurrence.	<a href="https://planning.ercd.dren.mil/toolbox/library/MemosandLetters/SBH-PSCX%20Reorganization%20Memo.pdf">https://planning.ercd.dren.mil/toolbox/library/MemosandLetters/SBH-PSCX%20Reorganization%20Memo.pdf</a>