



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
PACIFIC OCEAN DIVISION, U.S. ARMY CORPS OF ENGINEERS
FORT SHAFTER, HAWAII 96858-5440

CEPOD-PDC

30 October 2012

MEMORANDUM FOR COMMANDER ALASKA ENGINEER DISTRICT (CEPOA-PM-C-PL/JASON NORRIS), P.O. BOX 6898, JBER, AK 99506-0898

SUBJECT: Review Plan Approval for the Elim Continuing Authorities Program (CAP) Section 107 Feasibility Report, Elim, Alaska, Navigation Improvements

1. References:

a. Engineering Circular 1165-2-209, Civil Works Review Policy, 31 January 2010, and Change 1, 31 January 2012.

b. Policy Memorandum #1, HQ USACE, CECW-P, 19 January 2011, subject: Continuing Authority Program Planning Process Improvements.

c. Review Plan for the Elim Section 107 Feasibility Report, Elim, Alaska, Alaska District, U.S. Army Corps of Engineers, 30 October 2012.

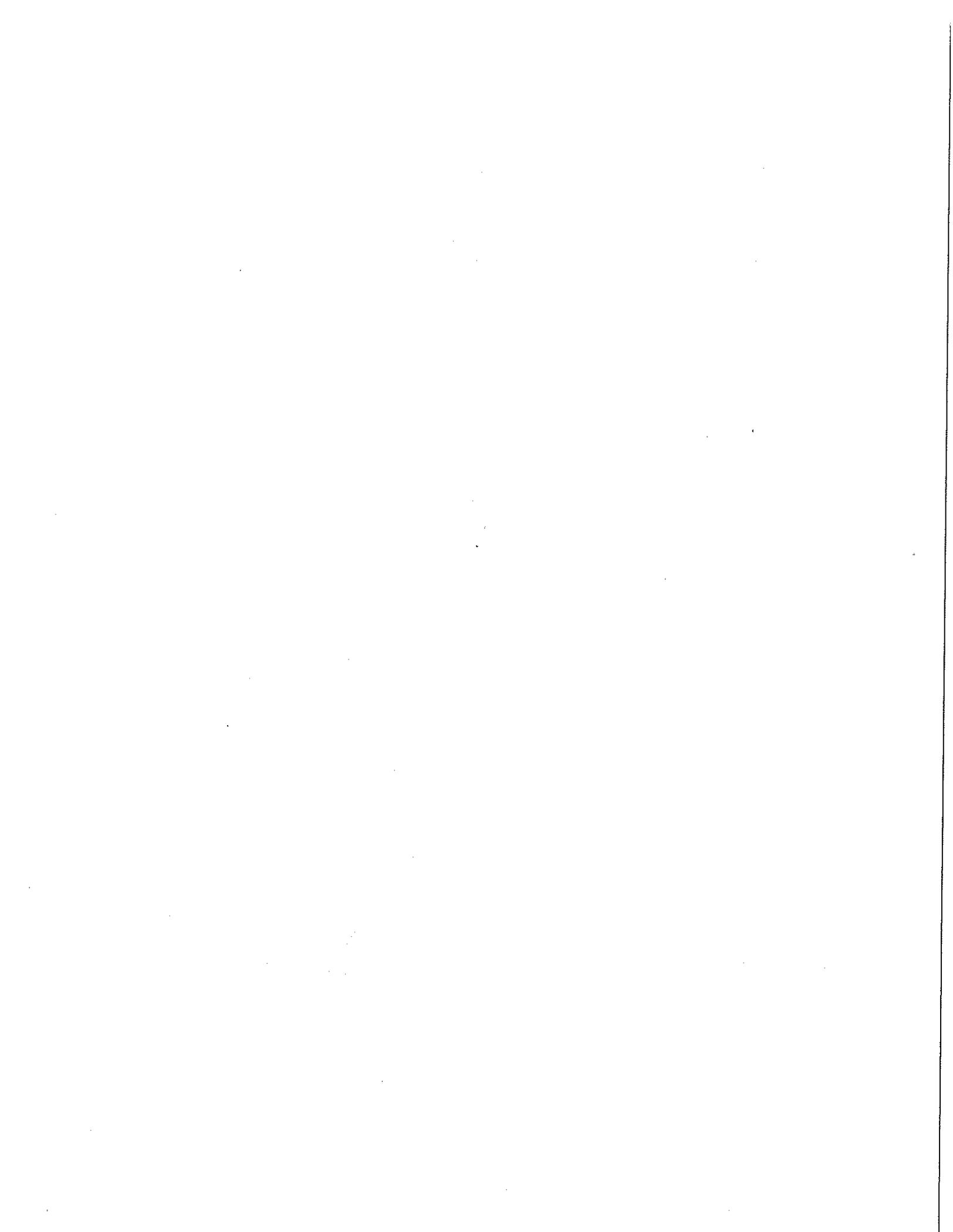
2. The enclosed Review Plan (reference 1.c.) for the Elim, Alaska navigation improvements projects was prepared IAW references 1.a. and 1.b. The Pacific Ocean Division Civil Works Division is the lead office to execute this Review Plan. This Plan does not include Type I Independent External Peer Review.

3. I approve this Review Plan. It is subject to change as circumstances require, consistent with project development under the Project Management Business Process. Subsequent revisions to this Review Plan or its execution will require new written approval from this office.

4. The point of contact for this memorandum is Mr. Russell Iwamura, Senior Economist, Civil Works Integration Division, at 808-835-4625 or email Russell.K.Iwamura@usace.army.mil.

Encl


GREGORY J. GUNTER
Colonel, EN
Acting Commander



**REVIEW PLAN
FOR CONTINUING AUTHORITIES PROGRAM (CAP)
SECTION 107 PROJECTS**

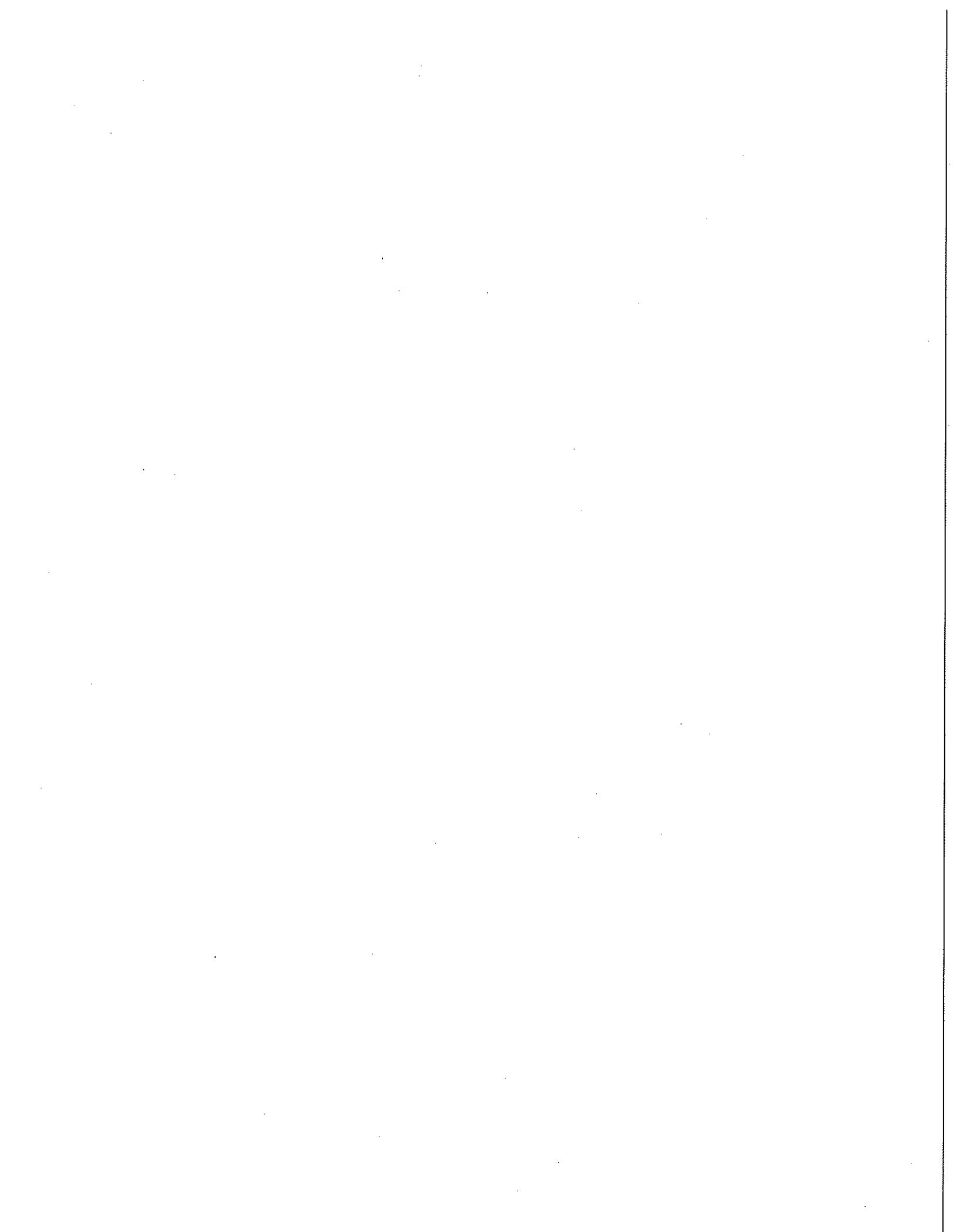
Elim Navigation Section 107

Alaska District

**MSC Approval Date: 30 October 2012
Last Revision Date: None**



**US Army Corps
of Engineers ®**

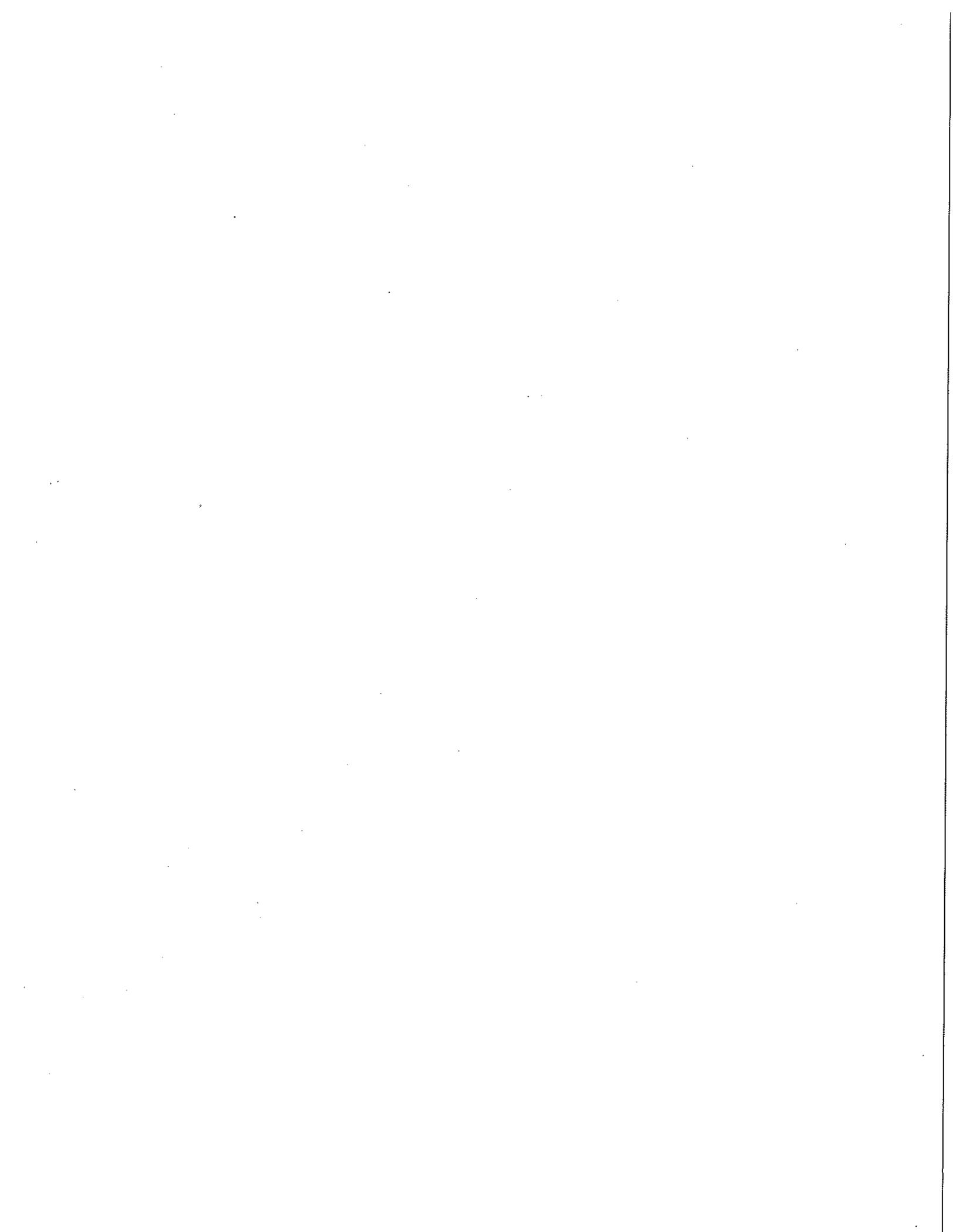


**REVIEW PLAN
FOR CAP SECTION 107 PROJECTS**

Elim Navigation Section 107, Elim, Alaska

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1. PURPOSE AND REQUIREMENTS

a. Purpose. This Review Plan defines the scope and level of peer review for the Elim Navigation, Section 107 project decision document.

Section 107 of the River and Harbor Act of 1960, as amended, authorizes the Corps to study, adopt, construct and maintain navigation projects. This is a Continuing Authorities Program (CAP) authority that focuses on water resource related projects of relatively smaller scope, cost, and complexity. Unlike the traditional Corps' civil works projects that are of wider scope and complexity, the CAP is a delegated authority to: plan, design, and construct certain types of water resource and environmental restoration projects without specific Congressional authorization.

Additional information on this program can be found in Engineering Regulation (ER) 1105-2-100, Planning Guidance Notebook, Appendix F, Amendment #2, 31 Jan 2007.

b. Applicability. This Pacific Ocean Division (POD) model review plan is applicable to those Section 107 project decision documents that do not require an Independent External Peer Review (IEPR).

c. References

(1) Engineering Circular (EC) 1165-2-209, Civil Works Review Policy, 31 Jan 2010 and Change 1 dated 31 Jan 2012.

(2) Director of Civil Works' Policy Memorandum #1, Continuing Authority Program Planning Process Improvements, 19 Jan 2011

(3) EC 1105-2-412, Assuring Quality of Planning Models, 31 Mar 2010

(4) ER 1110-1-12, Quality Management, 30 Sep 2006

(5) ER 1105-2-100, Planning Guidance Notebook, Appendix F, Continuing Authorities Program, Amendment #2, 31 Jan 2007

(6) ER 1105-2-100, Planning Guidance Notebook, Appendix H, Policy Compliance Review and Approval of Decision Documents, Amendment #1, 20 Nov 2007

(7) Project Management Plan (PMP)

(8) POD and/or District Quality Management Plan(s)

d. Requirements. This POD Model Review Plan was developed in accordance with EC 1165-2-209, 31 Jan 2010 and Director of Civil Works' Policy Memorandum #1, 19 Jan 2011, which establishes an accountable, comprehensive, life-cycle review strategy for Civil Works CAP products by providing a seamless process for review of all Civil Works projects during the

Feasibility Phase. The EC outlines four general levels of review: District Quality Control/Quality Assurance (DQC), Agency Technical Review (ATR), Independent External Peer Review (IEPR), and Policy and Legal Compliance Review. In addition to these levels of review, CAP decision documents are subject to cost engineering review and certification (per EC 1165-2-209), Director of Civil Works' Policy Memorandum #1, and the Value Management Plan requirements in the PMBP REF 8023G and the ER 11-1-321, Change 1.

2. REVIEW MANAGEMENT ORGANIZATION (RMO) COORDINATION

The RMO is responsible for managing the overall peer review effort described in this review plan. The RMO for this Section 107 decision document is POD. POD will coordinate and approve the review plan and manage the Agency Technical Review (ATR).

Upon approval by the RMO the Alaska District (POA) will post the approved review plan on its public website. A copy of the approved review plan (and any updates) will be provided to the Small Boat Harbor Planning sub-Center of Expertise (SBH-PSCX) to keep the SBH-PSCX apprised of requirements and review schedules.

3. STUDY INFORMATION

a. Decision Document. The Elim Navigation Section 107 decision document will be prepared in accordance with ER 1105-2-100, Appendix F, Amendment #2, 31 Jan 2007. The approval level of the decision document (if policy compliant) is POD. An Environmental Assessment (EA) will be prepared with the decision document.

b. Study/Project Description. The sponsor for the Elim Navigation Section 107 feasibility study is the Native Village of Elim. Elim is a community with a fishing and subsistence lifestyle. The community is not on the road system and can be reached only by boat or plane or by dog team or snowmachine during the winter season. There are currently 50 boats in Elim, ranging in size from 12 to 35 feet. Most of the boats are skiffs, which are used for subsistence activities. Two locations are currently used for storing vessels. One area is the beach right next to the community. When the boats are not in use, they are generally pulled up along the rocky shoreline. The boats are frequently damaged due to repeated stress of being dragged in across the gravel shoreline. The boats require constant monitoring to avoid damage from rising tides and storm conditions.

The second area is Devil's Slough at Moses Point. During the summer fishing season, fishermen keep their boats at this location, which is approximately 10 miles northeast of the community. Fishermen often miss the June commercial herring fishing run because the road going to Moses Point can still be impassable. Also, the sea ice at Moses Point is the last to clear off in the spring. This site is not exposed to open ocean waves, but boats do get damaged during storms. Emergency response to boats in distress south of Elim is delayed because responders' boats are tied at Moses Point. Responders have to drive the 10-mile road to Moses Point, a 30-minute trip, to launch their boat, then go all the way back past Elim to the boat in distress.

Fuel delivery to the community in adverse weather conditions poses a great danger of fuel spills because the fuel has to be pumped from the barge to a header on the beach and through more than

3,000 feet of floating pipeline to the tanks. In such cases, the barge waits out in the open sea for calmer waves before it can offload fuel. Protected moorage in the form of breakwaters and a dredged basin would mitigate these hazards and provide the benefit of safe moorage near town. Costs will be developed as the study progresses.

Two sites for a small boat harbor were considered. The first one is the Quoq Point site, which will benefit the proposed quarry and the seasonal fishing fleet that fishes in the immediate area of Cape Darby. The requirement for a 30-mile-long road and the fact that the quarry has not been established eliminated this site. The community of Elim selected another harbor site half a mile south of the main housing area. This site would be used to store their boats and would be utilized by barges in offloading cargo and fuel. Two alternatives for providing navigational improvements at this site are being considered, including a dock and barge facility as well as a protected boat launch.

c. In-Kind Contributions. Products and analyses provided by non-Federal sponsors as in-kind services are subject to District Quality Control (DQC) and ATR, similar to any products developed by the U.S. Army Corps of Engineers (USACE). No in-kind contributions are expected.

4. DISTRICT QUALITY CONTROL (DQC)

All decision documents (including supporting data, analyses, environmental compliance documents, etc.) shall undergo DQC prior to ATR. DQC is an internal review process of basic science and engineering work products focused on fulfilling the project quality requirements defined in the PMP. POA shall manage DQC.

a. Documentation of DQC. Documentation of DQC activities is required and should be in accordance with the Quality Management Plans of the District and POD.

b. Products to Undergo DQC. All decision documents, including cost estimates are to be prepared in accordance with the POA Quality Management Plan.

c. Required DQC Expertise. DQC reviewers should have a minimum of 4 years experience in developing Section 107 feasibility studies and the construction of small boat harbors.

5. AGENCY TECHNICAL REVIEW (ATR)

ATR is mandatory for all decision documents (including supporting data, analyses, environmental compliance documents, etc.). The objective of ATR is to ensure consistency with established criteria, guidance, procedures, and policy. The ATR will assess whether the analyses presented are technically correct and comply with published USACE guidance, and that the document explains the analyses and results in a reasonably clear manner for the public and decision makers. ATR is managed within USACE by the designated RMO and is conducted by a qualified team from outside POA that is not involved in the day-to-day production of the project/product. ATR teams will be composed of senior USACE personnel and may be supplemented by outside experts as appropriate. The ATR team lead will be from outside POD.

a. Products to Undergo ATR. ATR will be performed throughout the study in accordance with the District and POD Quality Management Plans. The ATR shall be documented and discussed at the Alternative Formulation Briefing (AFB) milestone. Certification of the ATR will be provided prior to the District Commander signing the final report. Products to undergo ATR include the draft and final Feasibility Report and Environmental Assessment for the Section 107 Elim Navigation Project.

b. Required ATR Team Expertise.

ATR Team Members/Disciplines	Expertise Required
ATR Lead	The ATR lead should be a senior professional preferably with experience in preparing Section 107 decision documents and conducting ATR. The lead should also have the necessary skills and experience to lead a virtual team through the ATR process. Typically, the ATR lead will also serve as a reviewer for a specific discipline (such as planning, economics, environmental resources, etc). The ATR Lead MUST be from outside POD.
Planning	The planning reviewer should be a senior water resources planner with experience in planning related to small boat harbor studies.
Economics	The economics reviewer should be a senior economist with experience in economic analysis related to small boat harbor studies.
Environmental Resources	The environmental reviewer should be a senior National Environmental Policy Act (NEPA) expert. They should have a working knowledge of NEPA requirements related to small boat harbor studies.
Cultural Resources	The cultural resource reviewer is typically a senior archaeologist with experience cultural resources investigation and compliance.
Cost Engineering	The cost engineering reviewer will be from the Cost Directory of Expertise (DX) Staff or Cost DX Pre-Certified Professional with experience in preparing cost estimates for small boat harbor studies.
Real Estate	The real estate reviewer should be a senior real estate expert with experience in developing real estate plans for civil works projects.
Geotechnical Engineer	The geotechnical engineering reviewer should be a senior geotechnical engineer with experience in navigation projects.
Coastal Engineer	The coastal engineering reviewer should be a senior engineer with experience in navigation projects.

The ATR team members for this study and a brief description of their credentials are included in Attachment 1.

c. Documentation of ATR. DrChecks review software will be used to document all ATR comments, responses, and associated resolutions accomplished throughout the review process. Comments should be limited to those that are required to ensure adequacy of the product. The four key parts of a quality review comment will normally include:

- (1) The review concern – identify the product’s information deficiency or incorrect application of policy, guidance, or procedures;

(2) The basis for the concern – cite the appropriate law, policy, guidance, or procedure that has not been properly followed;

(3) The significance of the concern – indicate the importance of the concern with regard to its potential impact on the plan selection, recommended plan components, efficiency (cost), effectiveness (function/outputs), implementation responsibilities, safety, Federal interest, or public acceptability; and

(4) The probable specific action needed to resolve the concern – identify the action(s) that the reporting officers must take to resolve the concern.

In some situations, especially addressing incomplete or unclear information, comments may seek clarification in order to then assess whether further specific concerns may exist.

The ATR documentation in DrChecks will include the text of each ATR concern, the Project Delivery Team (PDT) response, a brief summary of the pertinent points in any discussion, including any vertical team coordination (the vertical team includes POA, POD, and HQUSACE), and the agreed upon resolution. If an ATR concern cannot be satisfactorily resolved between the ATR team and the PDT, it will be elevated to the vertical team for further resolution in accordance with the policy issue resolution process described in either ER 1110-2-12 or ER 1105-2-100, Appendix H, as appropriate. Unresolved concerns can be closed in DrChecks with a notation that the concern has been elevated to the vertical team for resolution.

At the conclusion of each ATR effort, the ATR team will prepare a Review Report summarizing the review. Review Reports will be considered an integral part of the ATR documentation and shall:

- Identify the document(s) reviewed and the purpose of the review;
- Disclose the names of the reviewers, their organizational affiliations, and include a short paragraph on both the credentials and relevant experiences of each reviewer;
- Include the charge to the reviewers;
- Describe the nature of their review and their findings and conclusions;
- Identify and summarize each unresolved issue (if any); and
- Include a verbatim copy of each reviewer's comments (either with or without specific attributions), or represent the views of the group as a whole, including any disparate and dissenting views.

ATR may be certified when all ATR concerns are either resolved or referred to the vertical team for resolution and the ATR documentation is complete. The ATR lead will prepare a Statement of Technical Review certifying that the issues raised by the ATR team have been

resolved (or elevated to the vertical team). A Statement of Technical Review should be completed, based on work reviewed to date, for the AFB, draft report, and final report. A sample Statement of Technical Review is included in Attachment 2.

6. INDEPENDENT EXTERNAL PEER REVIEW (IEPR)

IEPR may be required for decision documents under certain circumstances. IEPR is the most independent level of review and is applied in cases that meet certain criteria where the risk and magnitude of the proposed project are such that a critical examination by a qualified team outside USACE is warranted. A risk-informed decision, as described in EC 1165-2-209, is made as to whether IEPR is appropriate. IEPR panels will consist of independent, recognized experts from outside the USACE in the appropriate disciplines, representing a balance of areas of expertise suitable for the review being conducted. There are two types of IEPR:

- Type I IEPR. Type I IEPR reviews are managed outside the USACE and are conducted on project studies. Type I IEPR panels assess the adequacy and acceptability of the economic and environmental assumptions and projections, project evaluation data, economic analysis, environmental analyses, engineering analyses, formulation of alternative plans, methods for integrating risk and uncertainty, models used in the evaluation of environmental impacts of proposed projects, and biological opinions of the project study. Type I IEPR will cover the entire decision document or action and will address all underlying engineering, economics, and environmental work, not just one aspect of the study.

All CAP projects are excluded from Type I IEPR except Section 205 and Section 103 projects or those projects that include an Environmental Impact Statement (EIS) or meet the mandatory triggers for Type I IEPR as stated in EC 1165-2-209. Exclusions from Type I IEPR for Section 205 and Section 103 projects will be approved on a case by case basis by the POD Commander, based upon a risk informed decision process as outlined in EC 1165-2-209, and may not be delegated.

- Type II IEPR. Type II IEPR, or Safety Assurance Review (SAR), is managed outside the USACE and is conducted on design and construction activities for hurricane, storm, and flood risk management projects or other projects where existing and potential hazards pose a significant threat to human life. Type II IEPR panels will conduct reviews of the design and construction activities prior to initiation of physical construction and, until construction activities are completed, periodically thereafter on a regular schedule. The reviews shall consider the adequacy, appropriateness, and acceptability of the design and construction activities in assuring public health, safety, and welfare.

For Section 14, 107, 111, 204, 206, 208, and 1135 decision documents prepared under this POD Model Review Plan, Type II IEPR is not anticipated to be required in the design and implementation phase, but this will need to be verified and documented in the review plan prepared for the design and implementation phase of the project.

IAW reference 1.c.(2) of this review plan, this Section 107 project is excluded from Type I IEPR.

7. POLICY AND LEGAL COMPLIANCE REVIEW

All decision documents will be reviewed throughout the study process for their compliance with law and policy. Guidance for policy and legal compliance reviews is addressed in Appendix H, ER 1105-2-100. These reviews culminate in determinations that the recommendations in the reports and the supporting analyses and coordination comply with law and policy, and warrant approval or further recommendation to higher authority by the POD Commander. DQC and ATR augment and complement the policy review processes by addressing compliance with pertinent published Army policies, particularly policies on analytical methods and the presentation of findings in decision documents.

8. COST ENGINEERING DIRECTORY OF EXPERTISE (DX) REVIEW AND CERTIFICATION

For CAP projects, ATR of the costs may be conducted by pre-certified district cost personnel within the region or by the Walla Walla Cost DX. The pre-certified list of cost personnel has been established and is maintained by the Cost DX at: <https://kme.usace.army.mil/EC/cost/CostAtr/default.aspx>. The cost ATR member will coordinate with the Cost DX for execution of cost ATR and cost certification. The Cost DX will be responsible for final cost certification and may be delegated at the discretion of the Cost DX.

9. MODEL CERTIFICATION AND APPROVAL

a. Planning Models. The approval of planning models under EC 1105-2-412 is not required for CAP projects. The POD Commander is responsible for assuring models for all planning activities are technically and theoretically sound, compliant with USACE policy, computationally accurate, and based on reasonable assumptions. Planning models are defined as any models and analytical tools that planners use to define water resources management problems and opportunities, to formulate potential alternatives to address the problems and take advantage of the opportunities, to evaluate potential effects of alternatives, and to support decision making. The selection and application of the model and the input and output data is still the responsibility of the users and is subject to DQC, ATR, and IEPR (if required).

The planning models for use in this study are undetermined as of the approval date of this review plan. Brief descriptions of the applicable planning models will be included in this review plan once they are identified.

b. Engineering Models. The responsible use of well-known and proven USACE developed and commercial engineering software will continue and the professional practice of documenting the application of the software and modeling results will be followed. As part of the USACE Scientific and Engineering Technology (SET) Initiative, many engineering models have been identified as preferred or acceptable for use on Corps studies, and these models should be used whenever appropriate. The selection and application of the model and the input and output data is still the responsibility of the users and is subject to DQC, ATR, and IEPR (if required).

The engineering models for use in this study are undetermined as of the approval date of this review plan. Brief descriptions of the applicable engineering models will be included in this review plan once they are identified.

10. REVIEW SCHEDULES AND COSTS

a. ATR Schedule and Cost. The ATR for the Section 107 Elim Navigation Project will be accomplished in accordance with the cost and schedule in the Project Management Plan. As of the approval date of this Review Plan, the ATR is scheduled for March 2013 and may be subject to change. The ATR is expected cost approximately \$10,000.

b. Model Review Schedule and Cost. For CAP decision documents prepared under the POD Model Review Plan, use of existing certified or approved planning models is encouraged. Where uncertified or unapproved model are used, review of the model for use will be accomplished through the ATR process. The ATR team should apply the principles of EC 1105-2-412 during the ATR to ensure the model is theoretically and computationally sound, consistent with USACE policies, and adequately documented. If specific uncertified models are identified for repetitive use within a specific district or region, the appropriate PCX, division(s), and home District(s) will identify a unified approach to seek certification of these models.

11. PUBLIC PARTICIPATION

State and Federal resource agencies may be invited to participate in the study covered by this review plan as partner agencies or as technical members of the PDT, as appropriate. Agencies with regulatory review responsibilities will be contacted for coordination as required by applicable laws and procedures. The ATR team will be provided copies of public and agency comments. This review plan and all decision documents will be posted on the Alaska District's website for public review.

12. REVIEW PLAN APPROVAL AND UPDATES

The POD Commander is responsible for approving this review plan and ensuring that use of the POD CAP Model Review Plan is appropriate for the specific project covered by the plan. The review plan is a living document and may change as the study progresses. POA is responsible for keeping the review plan up to date. Minor changes to the review plan since the last POD approval are documented in Attachment 3. Significant changes to the review plan (such as changes to the scope and/or level of review) should be re-approved by POD following the process used for initially approving the plan. Significant changes may result in POD determining that use of the POD CAP Model Review Plan is no longer appropriate. In these cases, a project specific review plan will be prepared and approved in accordance with EC 1165-2-209 and the Director of Civil Works' Policy Memorandum #1. The latest version of the review plan, along with POD's approval memorandum, will be posted on POA's webpage.

13. REVIEW PLAN POINTS OF CONTACT (POC)

Public questions and/or comments on this review plan can be directed to the following points of contact:

- Alaska District POC, Bruce Sexauer, (907) 753-5619
- Pacific Ocean Division POC, Russell Iwamura, (808) 835-4625

ATTACHMENT 1: TEAM ROSTERS

Section 107 Elim Navigation Study PDT

The Project Delivery Team is comprised of the following individuals:

Project Manager	David Williams
Planning	Jason Norris
Environmental Resources	Christopher Floyd
Economics	Emily Morrison
Real Estate	Carmen Osmond
Coastal Engineering	Alan Jeffries
Geotechnical Engineering	Tu Nguyen
Cost Engineering	Albert Arruda
Value Engineering	Don Tybus
Survey	Tom Sloan
Office of Counsel	Robert Stolzman

DQC Team

DQR Team Leader	Ken Eisses
Cost Engineering	Karl Harvey
Hydraulics and Hydrology	Ken Eisses
Environmental Resources	Michael Salyer
Geotechnical Engineering	Marcus Palmer
Economics	Lorraine Cordova
Real Estate	Pat Riley
Survey	Tom Sloan

Agency Technical Review Team

Name	Specialty	Affiliation	Years Experience
Jon Brown	ATR Lead	Buffalo District	30
alternate Mike Greer	<p>Jon Brown has 30 years of experience and has been the Lead Economist in the Planning Branch of the Buffalo District since 1990. As a regional team member, he assists in the evaluation and formulation of regional studies in LRD and other divisions. Mr. Brown served as U.S. technical work group leader for the recreational navigation component of International Joint Commission's St. Lawrence River-Lake Ontario Criterion study. Mr. Brown developed the recreational boating and tourism methodology portion for this five-year \$20M bi-national plan of study. Other recent work includes: developing the methodology and designing contingent valuation mail survey questionnaire for measuring economic impacts of proposed Valdez, AK small boat harbor expansion.</p> <p>Jon Brown was assigned Agency Technical Reviews (ATR) for</p>		

	<p>several studies both in and outside of Buffalo District (LRB). Since 2008, he coordinated all LRB virtual team activities of the Small Boat Harbor Planning Sub-Center of Expertise team in POA. He served as Agency Technical Review Lead for Anchorage Harbor Deepening - Decision Document Policy Compliance Review Assessment; Sitka Harbor, Alaska Navigation Improvement Project Deficiency Correction Evaluation Report and EA; Ashland Sec107; Detailed Project Report (DPR) and EA, Northwestern Michigan College, Section 107, Final Feasibility Report (FFR) Navigation Improvements Valdez, AK; Dillingham, HBR, AK; Douglas Harbor, AK FBW Installation; Lead for Chena Lakes Flood Control Project- Water Control Manual; Navigation Improvements Feasibility Scoping Meeting (FSM) Report, Whittier Alaska; Valdez Nav Improvement Draft Feasibility Rpt; and Little Diomedea Navigation Improvement (FSM submittal package).</p> <p>In addition to serving as ATR team lead, Mr. Brown has also served as ATR reviewer for the several studies and economic models including: Chocolate Bayou Dredged Material Management Plan (DMMP) econ model; Upper Rouge River Sec 1135; John Day Economic Model Review (in support of John Day Dam Rehabilitation Evaluation Report); Roush Dam Safety Modification Report; Salamonie River Dam Safety Modification Report; Rough River Dam Safety Modification Report; Patoka River Interim Risk Reduction Measures (IRRM); JE Roush Dam Safety Modification Report; Mohawk Dam Simulation Model Certification Review; Boliver-Certification of Economic Model; Salamonie Issue Evaluation Report; Bolivar Major Rehab. Report Model Cert; Green River Dam Issue Evaluation Study (IES); J.E. Roush Dam IES; Nolin River Dam IES; Rough River Dam IES; J.T. Meyers Dam Rehab Model Application Review and Certification; Center Hill Model Application Certification, John Glenn Study, Cleveland DMMP; Buffalo Harbor Section 107 Economics; Lakeshore State Park Section 107; Kentucky L&D Remaining Benefit Remaining Cost Ratio (RBRCR), Marmet L&D RBRCR, and McAlpine L&D RBRCR.</p>		
Phil Berkeley	Planning	Buffalo District	30+
alternate Mike Greer	<p>Philip E. Berkeley is a biologist in the Planning Branch at the USACE, Buffalo District. He received a B.S. in Biology from Springfield College in Springfield, Massachusetts and M.S. in Biology from the State University of New York at Buffalo. He has over 30 years Federal government experience in Corps of Engineers Planning and Project Evaluation, for navigation, flood risk management, and ecosystem restoration.</p>		
Roger Haberly	Economics	Buffalo District	29
alternate Jon Brown	<p>Performed and been a team member on a number of Section 107 economic evaluations: Was a major team player in the following</p>		

	<p>Section 107 evaluations: Cooley Canal Section 107-1995, Buffalo Inner Harbor, 2005. Was the team leader on the following section 107s: Rochester Harbor Section 107-2003; Olcott Harbor Reevaluation-Section 107, 2006, Two Harbors, Minnesota, 2007. Currently involved in an Ogdensburg Harbor, New York Section 107. Analyses have involved developing surveys for dock owners and charter fishing operators to generate willingness to pay values and charter fishing operating budgets. Analyses have developed the full range of associated costs needed to make the project fully operational (from parking lots, to floating docks, gasoline docks, winter storage facilities, roadways, signage, etc.).</p>		
Jay Miller	Environmental Resources	Buffalo District	11
alternate Bill Butler	<p>Responsible for coordinating and conducting investigations, planning, and preparing environmental reports such as Environmental Impact Statements, Environmental Assessments, Coastal Zone Management (CZM) consistency determinations, Water Quality Certification applications, Section 404 Evaluations, and other associated NEPA documents for District Operations and Maintenance (O&M), CAP, Construction General (CG), General Investigation (GI), and other projects. Coordinates District projects with Federal, state, and local government representatives and officials, as well as special interest groups and the general public. Assures environmental compliance of District projects by applying knowledge of applicable Federal, State, and local environmental regulations and executive orders. Undertakes coordination, development, and technical evaluation of biological assessments for required consultation under the Endangered Species Act.</p>		
Mike Mohr	Coastal Engineering	Buffalo District	30
alternate Shanon Chader	<p>Mr. Mohr's expertise includes the hydraulic design and evaluation of all features of a Coastal Engineering project from inception to completion. Functional areas include commercial deep-draft navigation harbors and channels (structure layout and design, channel sizing and evaluation), wave propagation, littoral transport, small boat harbors, and complex beach (nourishment, offshore breakwaters, artificial headland breakwaters), and shoreline erosion control (nourishment, revetments, emergency shore protection) projects. Mr. Mohr has ATR'ed several POA studies.</p>		
Reed Vetovitz	Geotechnical	Buffalo District	15
alternate: Frank Lewandowski	<p>Mr. Vetovitz plans and directs geotechnical field investigations and laboratory testing programs. He performs geotechnical modeling, evaluations, and agency technical reviews for USACE projects including levee, floodwall, bulkhead, breakwater, pier, lock, dam, and confined disposal facility projects. He also performs and reviews slope stability, settlement, liquefaction, and seepage analyses. He is proficient with geotechnical analysis software including SLOPE/W,</p>		

	SIGMA/W, SEEP/W, and CWALSHT.		
Bill Butler	Cultural Resources	Buffalo District	31
	<p>Environmental and cultural resources compliance manager. District Tribal Liaison. District Pest Management Program POC. Technical authority on environmental compliance with regulations and laws for planning, design, construction, operation and maintenance of water resource development projects and programs. Manages environmental and cultural resources program including preparation of environmental assessments, environmental impact statements, consultation for endangered species, and memoranda of agreement. Performs Independent Technical Review and quality control of environmental documents. Promotes sound environmental stewardship. Prepares and reviews plans and assessments for maintenance of navigation including navigation structure repair and rehabilitation, and dredging and disposal activities. Develops and reviews mitigation plans. Reviews facility management actions for environmental compliance. Prepares decision documents.</p>		
Jennifer Janik	Real Estate	Detroit District	8
	<p>Employed as a Realty Specialist by U.S. Army Corps of Engineers since 2003. Serves as the Real Estate Specialist at the Buffalo District field office under the management of the Detroit District. Manages a wide range of real estate matters, to include formulating initial assessments, real estate plans, navigational servitude, acquisitions, outgrants, and working with the non-Federal sponsors in their acquisition of necessary Lands, Easements, Rights-of-Way, Relocations and Disposal areas (LERRDs). Have negotiated and processed several right-of-entry agreements with public and private property owners for projects under the Formally Utilized Sites Remedial Action Program (FUSRAP). Serve as a Project Delivery Team member for all Buffalo District projects. Serves as an Agency Technical Review Team member for the real estate discipline for numerous authorities.</p>		
James Neubauer	Cost Engineering	Walla Walla District	See below
	<p>Since August 2007 Mr. Neubauer has served as the ATR coordinator and a lead reviewer in the Cost Engineering Directory of Expertise for Civil Works located in Walla Walla District (Cost DX). He has served 29 years as a civil engineer with experience in military and civil works construction, project management, and cost engineering. Mr. Neubauer is a licensed professional engineer, a certified cost engineer and a certified project manager – level 1. Since 1992, Mr. Neubauer has served as a senior lead cost engineer for Albuquerque District, Europe District, and Walla Walla District in both military and civil works. His current reviews include civil works cost estimates, schedules and risk analyses. Mr. Neubauer assisted the development of the current civil works cost Engineer Regulation ER 1110-2-1302,</p>		

	<p>was a main author of the civil works cost Engineering Technical Letter ETL 1110-2-573, the current Cost and Schedule Risk Analysis Guidance and the Cost ATR Guidance for the US Army Corps of Engineers. Mr. Neubauer has led many cost ATRs and numerous teams in developing or reviewing multi-billion dollar estimates for the Corps and the Department of Energy.</p>
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Division Contact Information

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Linda Hihara-Endo	POD Civil Works Planning Team Leader	808-835-4521

**ATTACHMENT 2: SAMPLE STATEMENT OF TECHNICAL REVIEW FOR
DECISION DOCUMENTS**

COMPLETION OF AGENCY TECHNICAL REVIEW

The Agency Technical Review (ATR) has been completed for the Navigation Section 107 decision document for Elim, Alaska. The ATR was conducted as defined in the project's Review Plan to comply with the requirements of EC 1165-2-209 and Director of Civil Works' Policy Memorandum #1. During the ATR, compliance with established policy principles and procedures, utilizing justified and valid assumptions, was verified. This included review of: assumptions, methods, procedures, and material used in analyses, alternatives evaluated, the appropriateness of data used and level obtained, and reasonableness of the results, including whether the product meets the customer's needs consistent with law and existing U.S. Army Corps of Engineers policy. The ATR also assessed the District Quality Control (DQC) documentation and made the determination that the DQC activities employed appear to be appropriate and effective. All comments resulting from the ATR have been resolved and the comments have been closed in DrCheckssm.

Jon Brown
ATR Team Leader
Buffalo District

Date

David Williams
Project Manager
Alaska District

Date

Russell Iwamura
Review Management Organization
Representative
Pacific Ocean Division

Date

CERTIFICATION OF AGENCY TECHNICAL REVIEW (CONT'D)

Significant concerns and the explanation of the resolution are as follows: Describe the major technical concerns and their resolution.

As noted above, all concerns resulting from the ATR of the project have been fully resolved.

David Frenier
Chief, Engineering Division
CEPOA-EN

Date

Stephen Boardman
Chief, Project Management Civil
CEPOA-PM-C

Date

ATTACHMENT 3: REVIEW PLAN REVISIONS

Revision Date	Description of Change	Page / Paragraph Number

ATTACHMENT 4: ACRONYMS AND ABBREVIATIONS

<u>Term</u>	<u>Definition</u>	<u>Term</u>	<u>Definition</u>
AFB	Alternative Formulation Briefing	NED	National Economic Development
ASA(CW)	Assistant Secretary of the Army for Civil Works	NER	National Ecosystem Restoration
ATR	Agency Technical Review	NEPA	National Environmental Policy Act
CAP	Continuing Authorities Program	O&M	Operation and maintenance
CSDR	Coastal Storm Damage Reduction	OMB	Office and Management and Budget
DPR	Detailed Project Report	OMRR&R	Operation, Maintenance, Repair, Replacement and Rehabilitation
DQC	District Quality Control/Quality Assurance	OEO	Outside Eligible Organization
DX	Directory of Expertise	OSE	Other Social Effects
EA	Environmental Assessment	PCX	Planning Center of Expertise
EC	Engineer Circular	PDT	Project Delivery Team
EIS	Environmental Impact Statement	PAC	Post Authorization Change
EO	Executive Order	PMP	Project Management Plan
ER	Engineer Regulation	PL	Public Law
FDR	Flood Damage Reduction	QMP	Quality Management Plan
FEMA	Federal Emergency Management Agency	QA	Quality Assurance
FRM	Flood Risk Management	QC	Quality Control
FSM	Feasibility Scoping Meeting	RED	Regional Economic Development
GRR	General Reevaluation Report	RMC	Risk Management Center
Home District/MSD	The District or MSC responsible for the preparation of the CAP decision document.	RMO	Review Management Organization
HQUSACE	Headquarters, U.S. Army Corps of Engineers	RTS	Regional Technical Specialist
IEPR	Independent External Peer Review	SAR	Safety Assurance Review
ITR	Independent Technical Review	USACE	U.S. Army Corps of Engineers
LRR	Limited Reevaluation Report	WRDA	Water Resources Development Act
MSC	Major Subordinate Command		