

ORDER

U S DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

1110.89A

10/16/85

SUBJ: NAVIGATION COORDINATION AND PLANNING

1. PURPOSE. This order assigns responsibilities concerning the planning for navigation systems provided by the Department of Transportation (DOT). This order also implements and transmits as Appendix 1, Order DOT 1120.32A, Navigation Coordination and Planning, dated June 10, 1985.
2. DISTRIBUTION. This order is distributed to the director level in Washington, regions, the Aeronautical Center, and the FAA Technical Center.
3. CANCELLATION. This order cancels 1110.89, Navigation Coordination and Planning, dated October 22, 1979.
4. BACKGROUND. Appendix 1 describes DOT procedures for navigation coordination both within DOT and among other Government agencies.
5. EXPLANATION OF CHANGES. This revision updates organizational references and transmits a revised DOT order.
6. RESPONSIBILITIES.
 - a. The Administrator of the Federal Aviation Administration (FAA) shall notify the Secretary of Transportation (or designated officer as specified by Appendix 1, paragraph 9.) in writing of the name of the FAA representative to the Navigation Council, or any change in the designation of the representative.
 - b. The FAA representative to the Navigation Council shall appoint a member to the Navigation Working Group. The Navigation Council representative shall notify the Administrator of the Research and Special Programs Administration in writing of the name of the FAA representative, or any change in the designation of the representative.
 - c. The Navigation Council representative shall request the names of representatives from the Associate Administrator for Air Traffic, Associate Administrator for Aviation Standards, Associate Administrator for Development and Logistics, and Associate Administrator for Policy and International Aviation who may serve as ad hoc advisors to the Navigation Working Group member as required. Each of the above organizations shall notify the Navigation Council representative of the names or any change in the designation of their ad hoc advisors. Associate Administrators may, at their discretion, designate more than one ad hoc advisor if representatives from multiple offices/services within their complex are deemed appropriate.

d. The Navigation Working Group member shall keep the Navigation Council member fully informed of the proceedings of the Working Group and shall, as appropriate, keep the ad hoc advisors aware of the group's proceedings.

e. The Navigation Council member shall, as appropriate, keep cognizant offices and services (through their associate administrators) informed of the deliberations, decisions, and recommendations of the Council. The member shall also distribute documents, correspondence and other information, as appropriate, through these same channels.

f. The Navigation Council representative shall coordinate with appropriate offices and services (through their associate administrators) on any issue potentially impacting FAA policies, plans, or procedures that may come before the Council.

7. CHANGES TO THIS DIRECTIVE. The Director of the Systems Engineering Service is authorized to transmit changes to the appendix of this order.



Donald D. Engen
Administrator



U.S. Department of
Transportation
Office of the Secretary
of Transportation

1110.89A
Appendix 1
10/16/85

ORDER

DOT 1120.32A

6-10-85

Subject: NAVIGATION COORDINATION AND PLANNING

1. PURPOSE. This Order describes a structure to facilitate the planning for navigation systems provided by the Department of Transportation (DOT). This coordination of planning will assure effective use of available resources and will result in the minimum number of navigation systems that can best meet the varying needs of the different transportation modes.
2. CANCELLATION. This Order cancels DOT 1120.32, "Navigation Coordination and Planning", dated 4-27-79.
3. REFERENCES.
 - a. Title 49, United States Code, section 101, et. seq. This law establishes the Department of Transportation and gives it the statutory authority for civil navigation planning and coordination.
 - b. Federal Radionavigation Plan, March 1982, prepared jointly by Department of Defense (DOD) and DOT.
 - c. Public Law 97-31 transferring the Maritime Administration (MARAD) from Department of Commerce (DOC) to DOT (1981).
4. BACKGROUND.
 - a. Title 49, United States Code, lists, as one of DOT's responsibilities, ensuring the coordinated and effective administration of the transportation program of the Federal Government. There are also statutory responsibilities for the U.S. Coast Guard (USCG) and the Federal Aviation Administration (FAA) to provide navigation systems for marine and air commerce as well as systems in response to requests by the DOD for use by the military.
 - b. To assure coordinated navigation planning among the various operating elements of DOT, a National Plan for Navigation (NPN) was established in 1970. All interested elements within DOT contributed to its contents, which were coordinated with other Federal agencies having a role in radionavigation. Later, Congressional interest in radionavigation planning prompted the drafting of the first legislation in this area. As required by Section 507 of the International Maritime Satellite Telecommunications Act (PL. 95-564), enacted in November, 1978, the President prepared a report to the Congress on Federal radionavigation systems. The primary conclusions of the President's report were that radionavigation planning should not be separated from the primary mission organizations and that a combined military/civil Federal Radionavigation Plan should be published.

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OPI Program Mgmt
and Administration,
RSPA

- c. The Federal radionavigation planning process was formalized with the establishment of an interagency agreement between DOD and DOT in April 1979. This agreement has set the stage for a single joint Federal Radionavigation Plan which now serves as the planning document for all common-user civil/military radionavigation services. The NPN was discontinued and the first Federal Radionavigation Plan was forwarded to Congress in January of 1981.
5. POLICY. The DOT policy on navigation is set forth in Part I of the current Federal Radionavigation Plan (DOT-RSPA-TSC-84-8).
 6. OBJECTIVES.
 - a. To provide a structure that will facilitate the coordination of policy recommendations and integrated planning regarding navigation among the operating elements of DOT; and to help assure the most efficient implementation of these policies and plans without decreasing the responsibility or usurping the authority of the individual operating elements.
 - b. To provide a body which can, on a continuing basis, facilitate coordination of navigation planning on a multimodal basis within DOT; and to serve as a focal point for recommendations on which DOT navigation policies and plans can be formulated.
 - c. To assure that the Secretary gets consolidated information; and to provide the means to obtain a coordinated high level review of proposed navigation policies and plans.
 - d. To establish a planning framework within which the DOT operating elements are allowed maximum latitude for navigation system research, development, and implementation, consistent with the need to avoid duplication of effort.
 - e. To provide the technical resources to supplement the navigation planning, implementation, coordination, and decision making of the operating elements.
 - f. To provide a focal point for obtaining inputs from those elements of DOT which may not have a continuous interest in navigation problems.
 - g. To provide a DOT focal point for multimodal or interdepartmental navigation issues.
 - h. To provide liaison with DOD.

6-10-85

7. ORGANIZATION.

- a. The DOT structure for navigation coordination is shown in Figure 1.
- b. The DOT Navigation Council is the top level body of the structure. It will consist of the Science and Technology Advisor to the Secretary and one policy level representative each from the USCG, the FAA, the MARAD, the Research and Special Programs Administration (RSPA), and the St. Lawrence Seaway Development Corporation (SLSDC), the Office of the Assistant Secretary for Budget and Programs, the Office of the Assistant Secretary for Policy and International Affairs, and the Office of Commercial Space Transportation (OCST). The designated members may be augmented by representatives of other operating elements to consider specific issues. The Council will meet, as required, and will be chaired by the Science and Technology Advisor to the Secretary. The Executive Secretary for the Council will be responsible for its administrative operation. The Executive Secretary and administrative services will be provided by RSPA.
- c. The Navigation Working Group is the working core of the structure. It will consist of one representative each from the USCG, FAA, MARAD, RSPA, SLSDC, and the OCST. Each representative may be assisted by advisors. Ad hoc advisors from other DOT operating elements which have an interest in navigation shall be invited to attend meetings as appropriate. These elements are the Federal Highway Administration (FHWA), the Federal Railroad Administration (FRA), the National Highway Traffic Safety Administration (NHTSA), and the Urban Mass Transportation Administration (UMTA). The Working Group shall meet on a scheduled basis, not less often than once each quarter, under the chairmanship of the RSPA representative.
- d. The Navigation Center at the DOT Transportation Systems Center will provide technical assistance to the Navigation Working Group, as requested.

8. RESPONSIBILITIES.

- a. The Secretary will:
 - (1) Establish navigation policy;
 - (2) Provide guidance to the Navigation Council;
 - (3) Approve plans for navigation system development; and
 - (4) Approve implementation programs for these plans.

- b. The DOT Navigation Council will:
 - (1) Serve as focal point to formulate coordinated policy recommendations to the Secretary;
 - (2) Attempt to resolve any multimodal navigation issues that cannot be resolved by the Navigation Working Group;
 - (3) Be the focal point for coordination with similar committees in other Government agencies; and
 - (4) Provide unified Departmental comments on the proposed rulemakings of other governmental agencies in regard to radionavigation and related matters.
 - (5) Provide guidance to the Navigation Working Group.

- c. The DOT Navigation Working Group will facilitate the coordination of:
 - (1) Navigation requirements developed by the DOT operating elements;
 - (2) Navigation plans;
 - (3) Navigation R&D and Implementation programs;
 - (4) DOT navigation planning with DOD, the DOC, the National Aeronautics and Space Administration, and other Federal Agencies, as required; and
 - (5) Multimodal navigation issues with other governmental agencies, industry, and user groups, as directed by the Navigation Council.
 - (6) Department comments on the proposed rulemakings of other governmental agencies in regard to radionavigation and related matters.

- d. The operating elements within DOT, as appropriate with their mission, will:
 - (1) Assess, analyze, and document navigation requirements;
 - (2) Conduct the necessary research and development on navigation systems having potential application to their operation;
 - (3) Implement navigation systems needed to carry out their responsibilities to the public in a cost effective manner;

- (4) Retain existing responsibilities for direct coordination with DOD on matters related to specific navigation systems operated by the individual elements of DOT; and
 - (5) Retain existing responsibilities for international coordination on navigation matters for their appropriate transportation mode.
- e. The Research and Special Programs Administration will, in addition to 8.d. above:
- (1) Coordinate intermodal technical issues on navigation; and
 - (2) Provide Executive Secretary services to all intermodal navigation groups.
- f. The Navigation Center will, as requested:
- (1) Conduct economic and systems analyses;
 - (2) Make technological and cost assessments of new navigation systems;
 - (3) Maintain an intermodal technical data base on navigation systems; and
 - (4) Provide information on technology forecasting and sharing.

9. IMPLEMENTATION.

- a. The Science and Technology Advisor to the Secretary will serve as the Chair of the Navigation Council.
- b. The Assistant Secretary for Budget and Programs, the Assistant Secretary for Policy and International Affairs, the Commandant of the Coast Guard and the Administrators of FAA, MARAD, RSPA, SLSDC, and OCST will each serve, or designate an official at the policy making level to serve, on the Navigation Council. The Administrators of the other Operating Administrations of DOT shall serve, or may designate another official to serve, as representatives to the Council as required.
- c. The USCG, FAA, MARAD, RSPA, SLSDC, and OCST will each appoint a member of the Working Group.
- d. FHWA, FRA, NHTSA, and UMTA will each designate an ad hoc advisor to the Working Group.

- e. The Administrator of RSPA will designate a member of the RSPA staff to be the Executive Secretary of the Navigation Council and the Navigation Working Group.
- f. The Science and Technology Advisor to the Secretary will be advised in writing of all appointments to the Navigation Council. The Administrator of RSPA will be advised in writing of all appointments to the Navigation Working Group.
- g. The Director of the Transportation Systems Center will, within budgetary resources provided, set up and staff the Navigation Center.
- h. The Executive Secretary for the Navigation Council and Working Group will be responsible for their administrative operation and, as directed by the respective chairpersons, will:
 - (1) Prepare, publish, and distribute minutes of meetings, and assure that all members and ad hoc advisors are aware of current and planned activities;
 - (2) Distribute documents, correspondence, and other information germane to the activities of the Navigation Council and Working Group or requiring official action;
 - (3) Prepare draft agendas for the approval of the chairperson; and
 - (4) Prepare draft charters for the consideration of the members.

FOR THE SECRETARY OF TRANSPORTATION:



Jon H. Seymour
Acting Assistant Secretary
for Administration

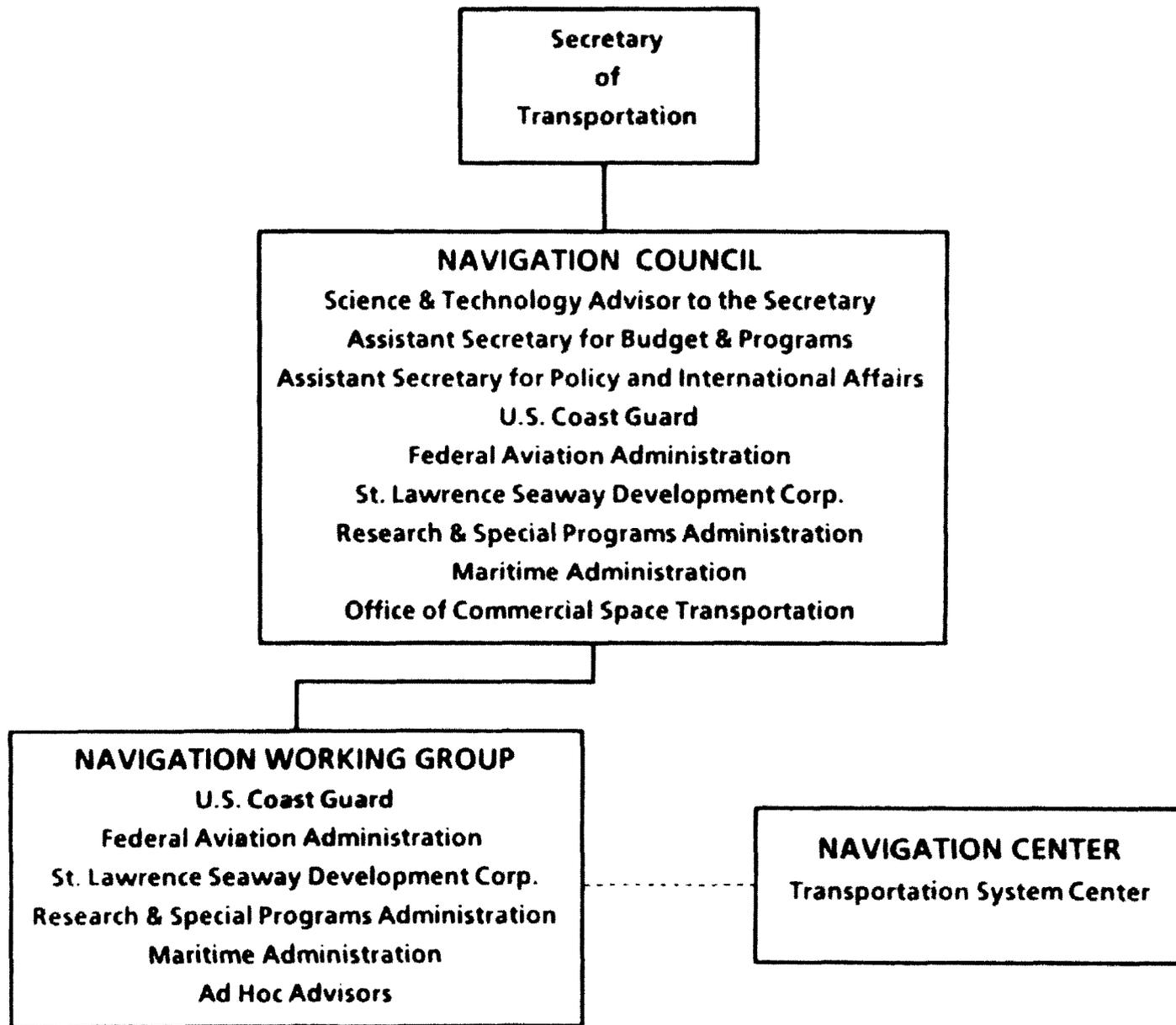


FIGURE 1 DOT Navigation Structure