



DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS
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Canc frp Apr 97

IN REPLY REFER TO

NAVAIRNOTE 3966
AIR-4.0T
01 Apr 96

NAVAIR NOTICE 3966

From: Commander, Naval Air Systems Command

Subj: RESPONSIBILITIES OF THE NAVAL AVIATION SCIENCE AND
TECHNOLOGY OFFICE (AIR-4.0T)

Ref: (a) COMNAVAIRSYSCOM/CNR MOU of 15 Jun 94

Encl: (1) Naval Aviation Science and Technology Office (NAVSTO)
Charter

1. Purpose. This notice defines the responsibilities for the Naval Aviation Science and Technology Office (NAVSTO) and its subordinate elements, the Transition Opportunities Board (TOB), and their related roles to support joint planning and oversight of Naval Aviation Science and Technology.

2. Scope. Effective date of this notice, NAVSTO is responsible for the oversight of all naval aviation non-acquisition Science and Technology (S&T).

3. Policy. The Naval Air Systems Command (NAVAIR) is pursuing methods to accomplish its mission while downsizing. In consonance with the Naval Aviation Systems Team (TEAM) philosophy of Integrated Program Teams, externally directed teams and enterprise teams within a competency aligned organization, NAVSTO will assume the responsibilities detailed in reference (a), this notice, and enclosure (1). This change is implemented in the interests of increasing technology transition and increased life cycle management efficiency. The efficiency gains to the acquisition process will be realized as a result of achieving centralized oversight of non-acquisition S&T within the naval aviation acquisition community.

4. Responsibilities

a. NAVSTO(AIR-4.0T) is responsible for representing the TEAM and providing corporate direction and oversight for S&T, Manufacturing Technology (MANTECH), and advanced concepts definition; planning, programming, managing, budgeting, and directing programs for exploratory development and non-acquisition advanced development in those technological and functional areas assigned to the TEAM; transitioning advanced technologies into



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existing programs; exploring new systems concepts; and serving as program coordinator and TEAM spokesperson with external authorities. In addition to its TEAM duties, NAVSTO supports joint planning and oversight of the aviation portion of the Department's S&T base program in conjunction with collocated Office of Naval Research (ONR) personnel. Its overarching function in this regard, as outlined in enclosure (1), is to foster development of a coherent, sound, and effective naval aviation S&T program. This function is jointly staffed by ONR and NAVAIR at a Senior Service Executive (SES)/military O-6 level.

5. (TOB). NAVSTO interfaces with various external advisory boards. The principal advisory board that provides guidance to NAVSTO is the TOB which includes Program Manager Air (PMA) and Program Executive Officer (PEO) representation. The TOB is the primary interface to the acquisition community. However, it does not preclude direct interface of PMAs/PEOs with the NAVSTO Director on specific issues. TOB membership includes the Chairman, one representative from, PEO(T), PEO (A), PEO(CU), Joint Advanced Strike Technology program (JAST), Program Management Competency (AIR-1.0), Logistics Competency (AIR-3.0), and a transition advisor/analyst. Chairmanship of the TOB will rotate among the PEO's as required. The chairman will also serve as the representative of the user community on final TEAM selection processes. The TOB is assisted by establishing working groups as required. Responsibilities include translating user needs and technology opportunities into focused acquisition objectives to improve technology transition, participating in the formulation of the naval aviation S&T investment strategy, representing the acquisition community in TEAM-wide S&T selection processes, and advocating naval aviation needs in external forums as appropriate.

6. Action

- a. NAVSTO and TOB are hereby established.
- b. The Corporate Operations Competency will implement TEAM organization manual changes to reflect the NAVSTO and TOB charter. Additionally, appropriate support will be provided by the Comptroller and Legal Level 2 Competencies.
- c. The Contracts Competency will provide appropriate contracting support to NAVSTO.
- d. Level 2 Competencies within Engineering and Logistics will provide appropriate support.

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7. Effectivity. This action will be annually reviewed by Commander, NAVAIR (AIR-00).

8. Cancellation Contingency. This notice will remain in effect for 1 year at which time a decision for formal incorporation into a NAVAIR instruction or a re-issue for an additional year will be made.


J. A. LOCKARD

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NAVAL AVIATION SCIENCE AND TECHNOLOGY OFFICE (NAVSTO)
CHARTER

General. This is a joint office between the Naval Aviation Systems Team (TEAM) and the Office of Naval Research (ONR). It provides two functions:

(1) Corporate direction and oversight for the total Science and Technology (S&T) program within the TEAM, and (2) Joint TEAM and Office of Naval Research (ONR) coordination, advocacy, and transition of S&T into naval aviation acquisition needs as defined in the memorandum of understanding between Commander, Naval Air Systems Command and the Chief of Naval Research of 15 June 1994. This office serves as the principal focal point for TEAM interfaces with ONR, OPNAV (codes N-88, N-091), other services and the Office of the Secretary of Defense (OSD) on naval aviation S&T matters.

Responsibilities. The primary responsibility of NAVSTO is to promote the transition of S&T results for eventual acquisition and service use in naval aviation.

NAVSTO will work to achieve the following specific responsibilities for naval aviation:

- TEAM Policy and guidance in the area of basic research, exploratory development, advanced development and Manufacturing Technology (MANTECH).
- Inputs from Exploratory and Advanced Development programs to help formulate Basic Research (6.1) programs.
- Exploratory Development (6.2) planning, selection, review, and reporting processes.
- Advanced Development (6.3) planning, selection, review, and reporting processes.
- Small Business Innovation Research (SBIR) program planning, selection, review, and reporting processes.

For the TEAM NAVSTO will provide coordination for the following responsibilities:

- S&T representation on Integrated Program Teams (IPTs) as appropriate.
- TEAM efforts in Technology Transfer, Navy Potential Contractor Program (NPCP), Cooperative Research and Development Agreement (CRADA), and Office of Research and Technology Applications (ORTA)

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- Business/financial management for S&T funds (includes monitoring and tracking of all S&T budget activity).
- Discretionary fund accounts that support areas related to S&T.
- Necessary technical liaison functions within the TEAM such as the Navy Science Advisory Program (NSAP) and the Navy Science and Engineer Training Program (NSTEP), and S&T interfaces with other services and agencies.
- Advocacy and oversight for Science and Technology Networks (S&T Nets).
- Guidance to competency S&T elements and Product Line Team (PLT) Leaders

For ONR NAVSTO will provide coordination for the following responsibilities:

- Development of the aviation portion for the corporate investment strategy for the Navy.
- Integration of the Navy S&T program with those of other services and agencies.
- Promotion of close, cooperative, mutually beneficial relationships between technologists and technology customers, i.e., PEO/SYSCOM, JAST, OPNAV, and the fleet.
- Approval of execution plans submitted by SYSCOMS.

Components. The NAVSTO consists of two parts: 1) the central office, 2) organizational elements located within the TEAM and ONR. Figure 1 depicts the elements of the TEAM organization today before completing the transition to a Competency Aligned Organization (CAO). Figure 2 depicts the TEAM organization after transition to a CAO.

NAVSTO Central Office consists of the following components:

a. **NAVSTO.** This office is responsible for providing the TEAM level scientific review, analysis, and consultation to TEAM corporate management; formulating as well as establishing policies. These policies determine and affect the scientific and technological adequacy of the research and development programs, systems examined and work performed within the TEAM. At present the central office is led by a civilian SES (AIR-4.0T), who serves as the primary contact to ONR upper management as well as the

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program coordinator and TEAM spokesperson with external authorities. Other members of the central office are as specified in the Memorandum of Understanding between Commander, Naval Air Systems Command and the Chief of Naval Research, dated 15 June 1994 which defines the original NAVSTO.

b. Technology Administration Office. This office is responsible for coordinating the planning and selection processes for the TEAM 6.1 to 6.3 programs, Advanced Technology Demonstration (ATD) submission to the Chief of Naval Research (CNR), and TEAM discretionary funds relevant to S&T activities. This office manages the SBIR and MANTECH programs, and coordinates all programs related to technology transfer. It provides TEAM S&T budget tracking, proposal evaluation, program reviews, and technology needs documentation. This office also coordinates the Navy Scientist Advisory Program (NSAP) and Navy Science and Engineer Training Program (NSTEP) for the TEAM.

c. Advanced Development Project Officers. These individuals are generally military officers responsible for providing management of major advanced technology projects that require concurrent involvement of multiple TEAM elements. Examples of such projects are the X-31, Advanced Short Take Off and Vertical Landing (ASTOVL) Aircraft, and Joint Enhanced Tactical Surveillance System (JETSS). Each project will be led by an independently chartered Advanced Development Project Officer where needed.

d. Advanced Systems Office. This office is responsible for providing leadership in formulating advanced systems concepts, defining technology application, developing integration and acquisition goals for future platforms and weapon systems to meet projected naval aviation warfare needs prior to establishing an acquisition program and dedicated program management office. The office will be staffed with warfare area action officers who lead the activities of TEAM members from the engineering and/or other competencies to achieve objectives.

Other **NAVSTO organizational elements** that exist outside the central office and within the competencies consist of the following components:

a. (PLT). The PLTs will play a critical role in linking the NAVSTO to the S&T efforts in the second level competencies. The PLTs will be made up of S&T Managers and other TEAM members as required. They will be responsible for exercising technical and management leadership in their product line areas (Aircraft Systems, Weapons, Avionics and Sensors, Training, Modeling and Simulation, and Integrated Support) over TEAM resources that are executing the technology programs and activities. In addition,

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they will be responsible for integrating and transitioning advanced technologies in their respective areas. The PLT leaders will be responsible for personnel assigned to the PLT from the competencies and ONR. The PLTs will interact/coordinate through the technical panel.

b. Technical Panel. This panel will provide a forum for coordinating activities between the different PLTs. Activities include scheduling and interactions with the TOB. Members are PLT leaders reporting to NAVSTO central office.

c. Competency S&T Offices/Points of Contact (POCs). These offices or POCs, located in the engineering second level competencies, are responsible for overseeing the execution of the competency S&T programs. They may vary in the number of personnel assigned depending on the perceived need by the competency leader. They form the leadership nucleus of the respective PLTs.

d. S&T Nets. S&T Nets are forums, officially recognized, and supported within the TEAM structure, wherein scientists and engineers, working across competency lines, can meet, collaborate, train, and plan for the purpose of enhancing existing skills within a given area of S&T. The S&T Nets will be supported and coordinated by the PLTs.

e. TOB. The TOB is the primary advisory board within the TEAM. The NAVSTO and the TOB will interact with OPNAV and other external advisory bodies that provide naval aviation requirements and promote development and transition of technology for eventual acquisition and service use. The TOB will coordinate with the PLTs to recommend priorities for the TEAM's technology investment so that it will better meet the future needs of naval aviation war fighting requirements and more effectively transition technology innovation into naval aviation acquisition programs.

The TOB's primary focal points are the mission areas of Air Superiority, Precision Strike, Maritime Surveillance, Amphibious Assault, Information Warfare, and Logistics. Membership includes PEO(T), PEO(A), PEO(CU), JAST, AIR-1.0, AIR-3.0, and a transition advisor/analyst. The chair will rotate between PEOs on an annual basis. The TOB will be assisted by a civilian (Technology Transition Manager) to ensure continuity of the TOB. Specifically, the duties of the TOB are:

- Providing a focused acquisition requirements "pull" that will result in improved success of transitioning technology innovation programs.

- Promoting an understanding of future war fighting needs for the successful translation of these requirements into technology products.

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- Establishing the TEAM Science and Technology Priorities Document (STPD) through CNO, ONR, and the PEOs.
- Applying naval aviation war fighting requirements to the S&T proposed technology for transition to acquisition.
- Coordinating with the PLTs to develop priorities for TEAM 6.2, non-acquisition 6.3, SBIR and MANTECH technological investments.
- Working with the PLTs to identify potential technology insertion points, and participating in the development of transition and risk reduction strategies for transitioning ATDs into acquisition programs.
- Assisting in the definition of appropriate performance/exit criteria for the iterative evaluation and prioritization of ongoing S&T programs particularly, those proposed for transition between 6.2 and 6.3, and between 6.3 and Engineering and Manufacturing Development.
- Advocating naval aviation needs in Department of the Navy and Department of Defense forums as appropriate.

TEAM SCIENCE AND TECHNOLOGY ORGANIZATION

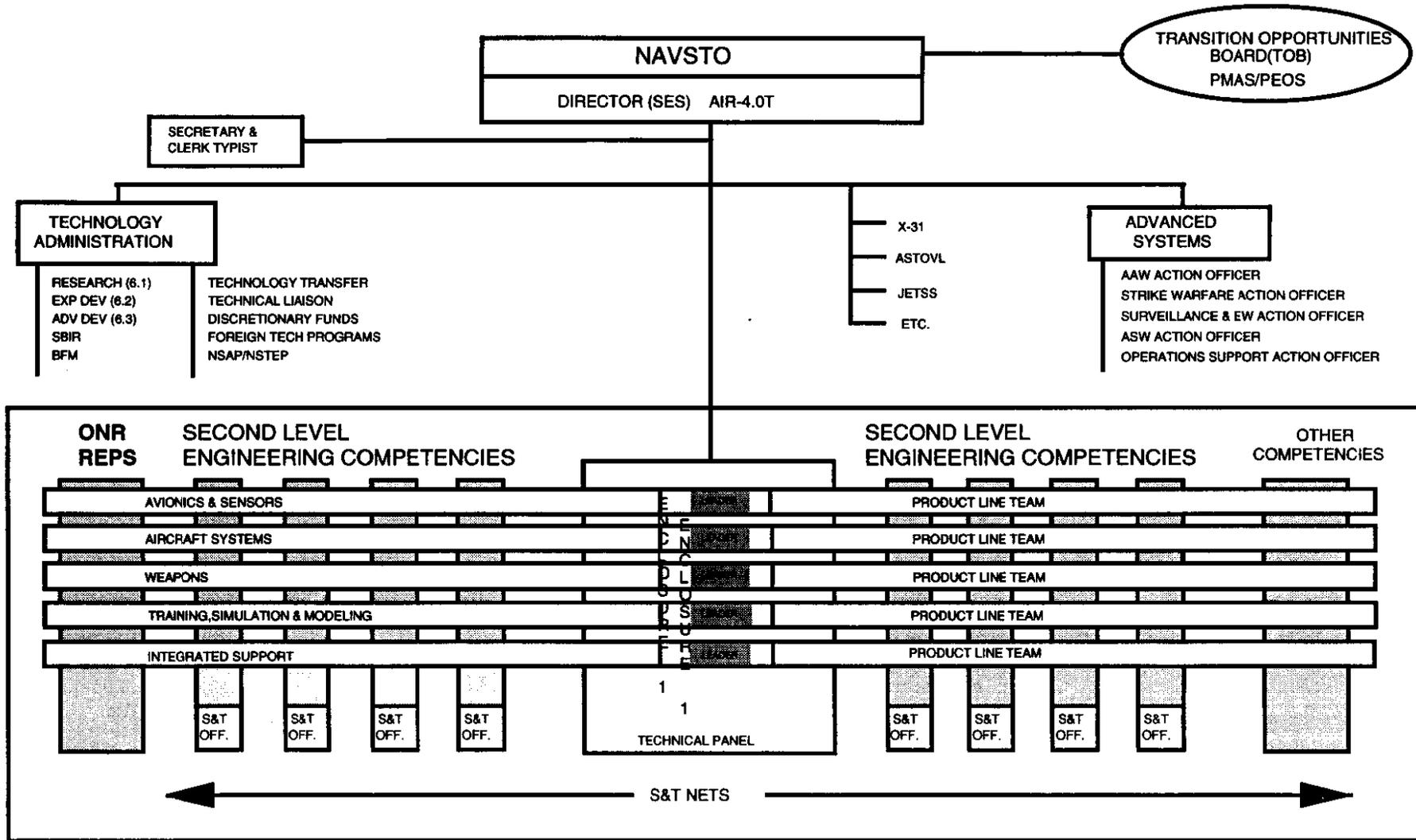
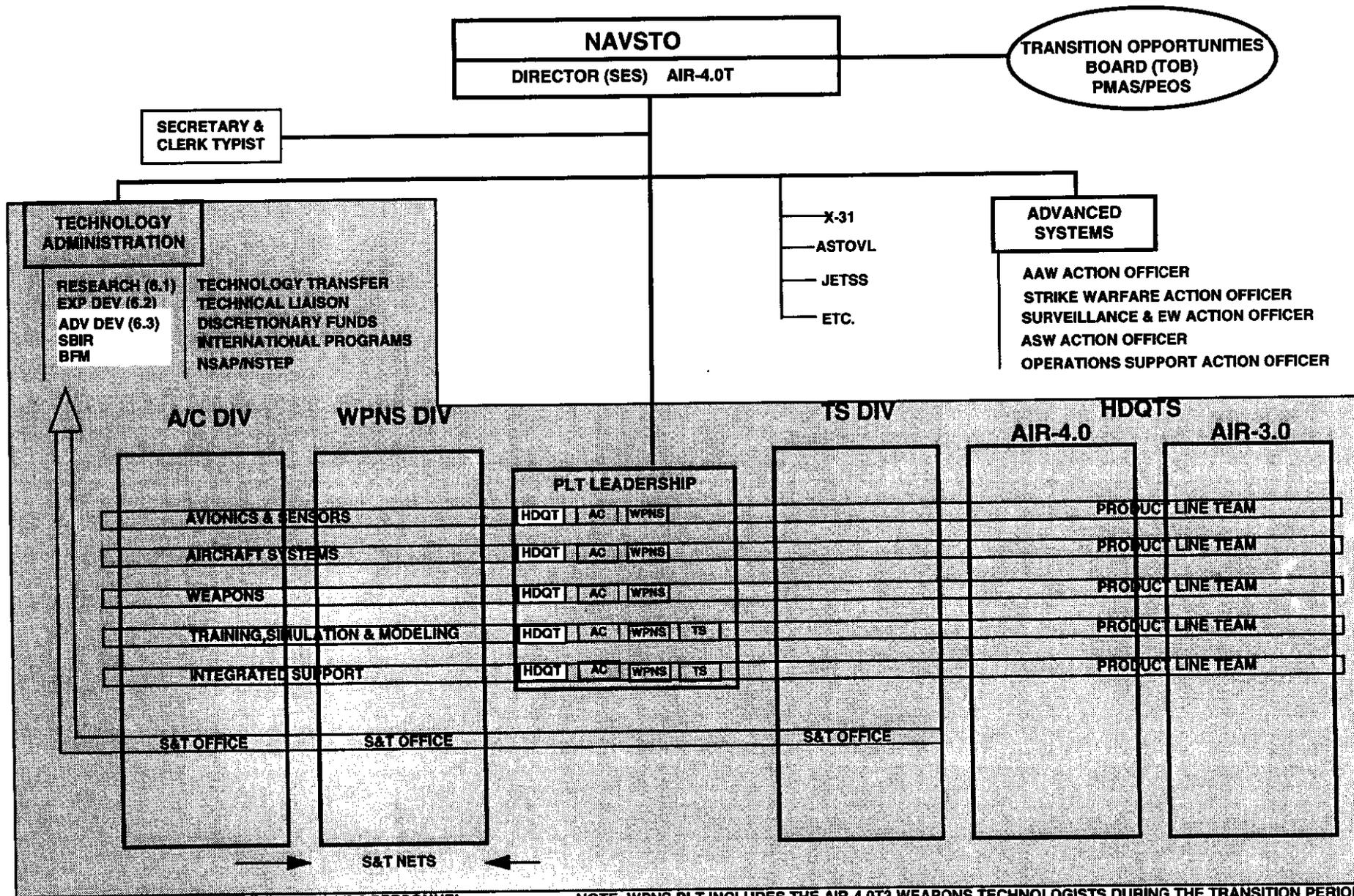


Figure (2)

TEAM SCIENCE AND TECHNOLOGY ORGANIZATION BEFORE TRANSITION TO CAO



POSITIONS HELD BY AIR-4.0/3.0 PERSONNEL

NOTE: WPNS PLT INCLUDES THE AIR-4.0T3 WEAPONS TECHNOLOGISTS DURING THE TRANSITION PERIOD

Figure 1

Enclosure (1)

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