ICS 86-4156
26 June 1986

MEMORANDUM FOR: William F. Donnelly
                 Deputy Director for Administration

FROM: VADM E. A. Burkhalter, Jr., USN
                 Director, Intelligence Community Staff

SUBJECT: Request for Surplus ADP Equipment in Support of JMIE

1. The Intelligence Information Handling Committee (IHC) has been coordinating a multiagency project known as the Joint Maritime Information Element (JMIE) (see attachment). This high priority program involves a consortium of Intelligence Community and law enforcement agencies created to share multisource information dealing with worldwide maritime activities. The CIA is a member of the group.

2. It has been determined that the data processing system required to support the JMIE project should be built around an IBM architecture. Members of the IHC staff have been investigating the possibility of acquiring surplus computer equipment within the Intelligence Community in order to provide an early capability for the JMIE project and to reduce its overall cost. In this connection, they have been in contact with the staff of OIT and have been advised that a number of IBM 3380 disc drives will probably be released by OIT beginning in October or November of this year. Should this occur, it would be of great assistance if four or more of these drives could be provided to the JMIE program.

3. I would greatly appreciate your aid in facilitating this transfer and that of any other equipment which may become surplus to the Agency and which could be profitably reutilized in the support of the JMIE project. The IC Staff POC is _____ Vice Chairman, IHC _____

                              E. A. Burkhalter, Jr.
                              Vice Admiral, USN

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Attachment:
  As Stated

    All Portions of this
Memorandum are UNCLASSIFIED

cc: Director, Office of Information Technology

Attachment

<u>SYSTEM DESIGN OUTLINE</u>

Joint Maritime Information Element Support System (JSS)

<u>Operational Objective</u>: The JSS is intended to support the mission performance requirements for maritime activity data of the Joint Maritime Information Element, a consortium of US Government intelligence, law enforcement, and resources management agencies. Current consortium membership comprises the Office of Naval Intelligence, the Coast Guard, Drug Enforcement Administration, Customs Service, CIA, Department of Energy, Maritime Administration and Military Sealift Command. Access to the system will be available to other US Governmental organizations.

<u>System Design Objective</u>: A large number of US Government agencies currently acquire, process and use in mission performance large volumes of data pertaining to activities occurring in the world's maritime regions. Some of it is obtained from intelligence sources, some as a product of normal mission performance, such as maritime surveillance flights, and some is purchased by subscription from commercial sources. Since each involved agency currently operates independently, data base holdings are fragmented and, to some extent, duplicative.

The basic JSS design objective is to create an automated means for effectively pooling available data and making it accessible, in a highly flexible manner, to users in their own operating localities and facilities. As related objectives, the JSS should:

- not require a significant increase in user operating costs, particularly additional personnel;

- operate at a security level that protects intelligence sources and methods while permitting judicious operational use of data bases for law enforcement purposes;

- meet the requirements of the Privacy Act and Freedom of Information Act; and

- be incrementally implemented and expandable.

Principal Design Features

- The JSS will comprise a central computer processing facility and an expandable number (up to 100) of remote access terminals. The central facility will be colocated with the Coast Guard's Operational Computer Center on Governor's Island, New York, or with DEA's El Paso Intelligence Center in Texas.

- Communications utilized generally be existing common user facilities such as DDN and AUTODIN.

- All hardware will be off-the-shelf, remote terminals will be high capacity personal computers.

- Most data entering JSS data base will have been preprocessed elsewhere, e.g., SEAWATCH, reduction complexity of JSS software requirements and needed processing capacity.

- JSS reference files, e.g., ships' characteristics, will be obtained in toto from member agencies which will also maintain them; JSS will (other than audit trail and dissemination record).

- No feature of JSS design involves significant technical risk or R&D expense.

- JSS remote terminals, dispersed throughout the country, will be connected to the central facility by the already operational Defense Data Network (DDN).

- The system will operate at the SECRET level; all communications will be connected to the central facility by the already operational Defense Data Network (DDN).

- The Navy's SEAWATCH processing system at Suitland, Maryland, will serve as the primary JSS data input source, collating and preprocessing all-source information relevant to the JMIE mission and transmitting it to the JSS via data link.

- The system will incorporate high speed text search capability for locating the desired data within non-formatted input.

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Principal Design Features (Cont'd)

- Terminal users will be able to communicate with one another in conversational mode, post messages and exchange electronic mail, all in a secure (SECRET) mode.

- The central facility will automatically maintain audit trails and dissemination records.

- Data manipulation and display capabilities (including graphic ship plots) will be incorporated in the powerful remote terminals rather than the central processor; terminals will operate independently, and function even when the central processor is down. Each user will be able to tailor the system to his own mission requirements.

JSS Data Bases

- Ship locations, tracks, cargoes, schedules worldwide.

- Ship characteristics, ownership.

- Suspect vessels, narcotics interdiction alerts.

- Expandable to include maritime air traffic.

Operational Economy Features

- JSS will have no analytical staff or independent administrative infrastructure.

- Central computer facility will be integrated into already existing JMIE member facility (CG or DEA), making use of available physical plant and staff.

- JSS will maintain no tape libraries or other user service features requiring staffing and maintenance.

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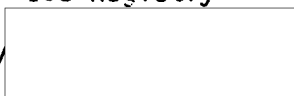   1 - D/ICS
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