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COMITE MILITAIRE DE L'ATLANTIQUE NORD

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16 October 1969

MEMORANDUM FOR THE CHAIRMAN, MILITARY AGENCY FOR STANDARDIZATION

SUBJECT: Standardization of Internal Links of Shipborne
Command and Control Systems

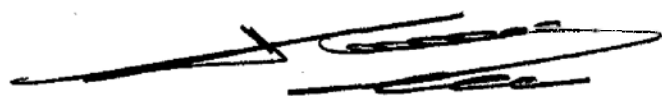
1. During the sixth meeting of Information Exchange Group 5 on Tactical Control and Data Handling, the German representative pointed out that there was cause for concern in the field of standardization of internal links in shipborne command and control systems.

2. The Group endorsed the comments of the German representative and the IMS has been requested to investigate what activity is being or could be taken by MAS in this respect.

3. It is requested that either a representative of MAS attend the next meeting in Brussels 14-16 April 1970 and make a presentation on this subject or that a status report be forwarded to the IMS so that IEG/5 can be informed.

4. In order to more completely clarify the question the German representative's observations are attached as an Enclosure.

A/B. 57/463



N.G. PALAIOLOGOPOULOS
Lieutenant General, Hellenic Army
Director, International Military Staff

1 ENCLOSURE:

Statement by German
representative to IEG/5

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COPY TO: CHAIRMAN, MEDAG
HEAD OF NAVAL SECTION,
DEF. SUPP. DIV., IS

EOG DIV 100322X
RECORDS Date 13.1.2003

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This document consists
of 1 page and an Encl.

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ENCLOSURE

STATEMENT BY GERMAN REPRESENTATIVE TO IEG/5 ON
STANDARDIZATION OF INTERNAL LINKS OF SHIPBORNE
COMMAND AND CONTROL SYSTEMS

1. Based upon the assumption that a ship carries one or more computers there are a number of peripheral systems which must relate to the computer such as Displays, External Data Links (Link 11, Link 14 or Link X), Internal Inputs (Gyro, log etc.), Weapon Direction, Weapon Equipment Status, Keysets, other computers, EW Equipment etc., in short all equipment which has to be connected to the computer or computers.

2. It is desirable that all such equipment can be connected without a special interface which would only convert from one digital format to another digital format.

3. In order to avoid a number of varying interfaces (for example: Interface number 1 - Univac 1230 computer to Hughes Console: Interface number 2 - IBM XYZ to Hughes Console) which would create penalties in cost, space, weight, maintenance and logistics, the connections of peripheral equipment must be standardized with regard to the computer and vice versa.

4. There are three main conditions to be fulfilled:

- a. Data Format (Information to and from the computer and status of equipment).
- b. Voltage levels (Interpretation for binary 1 or 0).
- c. Plugs and sockets.

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Enclosure

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