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JCEC 26/33
(Agenda Item 32)

21 March 1957

NOTE BY THE SECRETARIES

to the

JOINT COMMUNICATIONS-ELECTRONICS COMMITTEE

on

PROVIDING A SINGLE NAME AND PROPER CLASSIFICATION
FOR THE NAVIGATION ASPECTS OF THE CYTAC SYTEMS(U)

1. On 20 March 1957, the Joint Communications-Electronics Committee amended and approved the attached report (J/AN 140/1/1), prepared by the J/AN panel.
2. On 21 March 1957, the memorandum contained in the Enclosure was forwarded to the indicated addressees as CECM-157-57.
3. The foregoing is circulated for the information and file of the members of the JCEC, and the Secretary, J/AN Panel.

JOSEPH BUSH

JAMES H. CURRAN

Secretaries

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REPORT BY THE JOINTS AIDS TO NAVIGATION PANEL

to the

JOINT COMMUNICATIONS-ELECTRONICS COMMITTEE

on

PROVIDING A SINGLE NAME AND PROPER CLASSIFICATION
FOR THE NAVIGATION ASPECTS OF THE CYTAC SYSTEMS(U)

THE PROBLEM

1. To consider renaming and partially declassifying the CYTAC system.

FACTS BEARING ON THE PROBLEM

2. CYTAC is an experimental electronic tactical bombing system developed by the Air Force. It is essentially a highly accurate low frequency LORAN system employing cycle matching techniques.

3. The Air Force does not contemplate using CYTAC as a tactical bombing system.

4. The Navy has made arrangements to use Air Force CYTAC equipment to evaluate certain other navigation systems.

5. The Army, Navy, Air Force, Coast Guard, civilian airlines, and civilian steamship lines have an interest in utilizing a highly accurate navigation system such as CYTAC.

6. CYTAC has upon occasion been referred to as CYTAC, CLORAN, LORAN-“C” and 100 K.C. LORAN.

7. The security classification of CYTAC in its application to the tactical bombing system limits consideration of the system for navigation.

8. The U. S. Coast Guard has express statutory authority for establishment, operation, and maintenance of LORAN.

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DISCUSSION

9. The Navy has made temporary arrangements in concert with the Coast Guard to erect and operate a three station CYTAC chain to evaluate certain navigation systems. This chain is programmed to become operational in July 1957. The Army, Navy, and the Air Force are interested in erecting a fourth CYTAC station to be integrated with the three station chain under construction. The purpose of the additional station is to permit a comprehensive evaluation of the system for all aspects of air navigation including helicopter and long distance operations.

10. It appears desirable to change the name of CYTAC to LORAN-C in order to:
- a. Dispel association with a tactical bombing system.
 - b. Give the U.S. Coast Guard the same authority to establish, maintain and operate this system as it now has for LORAN.
 - c. Provide a single name to identify the system for its navigation applications.

11. It also appears desirable to declassify data and characteristics of the system not associated with classified information relating to classified projects.

CONCLUSIONS

12. It is concluded that:
- a. The navigation portion of CYTAC system should be renamed LORAN-C.
 - b. LORAN-C should not be classified except when associated with classified information relating to classified projects.

RECOMMENDATIONS

13. It is recommended that the Joint Communications-Electronics Committee forward the memorandum in the "Enclosure" reflecting the above conclusions, to the Military Services.

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