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S.G. 171/27

14 November 1955

Pages 1 - 3, Incl.

REPORT BY THE COMMUNICATIONS-ELECTRONICS COORDINATION SECTION

to the

STANDING GROUP

on

USE OF THE CRYPTOGRAPHIC MACHINE WIM (BID/560/1) BY
THE UNITED KINGDOM FOR ALL CLASSIFICATIONS OF TRAFFIC
(CECS 101)

THE PROBLEM

1. To approve the use of WIM (BID/560/1) for the transmission of COSMIC and of all classifications of NATO traffic.

FACTS BEARING ON THE PROBLEM

2. The United Kingdom has under production an electro-mechanical start/stop on-line cypher device using one-time key tape. The machine is analogous to and will inter-operate with ETCRRM and SIGTOT which have been approved for the transmission of all categories of NATO and COSMIC traffic.

3. Full details of the machine and an opportunity of examining it have been afforded by the United Kingdom to the French and United States Governments.

4. The tape used by the machine is produced by the same equipment and procedures as are used for the production of tape for 5 UCO. These methods and procedures are known to the French and United States Governments and have been approved by SECAN.

5. The United Kingdom Services plan to use these equipments on some circuits which are "NATO national tails" and on which therefore, in addition to national traffic, NATO traffic is passed. The U.K. Services will wish to pass this traffic with the security,

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DOCUMENT DESTRUCTION MEMO. # 409,
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speed and efficiency afforded by a one-time tape on-line machine rather than by the CCM.

6. The United Kingdom is not in a position to produce this machine in sufficient numbers to offer it for use by NATO nations or commands.

CONCLUSIONS

7. It is concluded that Standing Group approval should be given to the use of WIM (BID/560/1) for the transmission of COSMIC and of all classifications of NATO traffic.

RECOMMENDATIONS

8. It is recommended that:
- a. The above conclusion be approved.
 - b. A memorandum as at the Enclosure be dispatched.

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ENCLOSURE

NORTH ATLANTIC MILITARY COMMITTEE

COMITE MILITAIRE DE L'ATLANTIQUE NORD

Standing Group

Groupe Permanent

SGM-834-55

MEMORANDUM FOR: Ministry of Defense, London, England
Supreme Allied Commander Europe
Supreme Allied Commander Atlantic
Channel Committee

SUBJECT: Use of the Cryptographic Machine WIM (BID/560/1)
for all Classifications of Traffic

1. On _____ the Standing Group approved the use by the United Kingdom of the on-line, one-time tape cypher machine known as WIM (BID/560/1) for the transmission of COSMIC and of all classifications of NATO traffic.

2. The United Kingdom has no surplus WIM machines and is unable to offer the machine for use by NATO commands or by other NATO countries.

FOR THE STANDING GROUP:

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Enclosure

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