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23 January 1947

## MEMORANDUM FOR RECORD

SUBJECT: Preliminary Meeting re Forthcoming Visit of Paymaster-Captain Wilson

1. A meeting was held at the Navy Department this date at the invitation of the Chief of Naval Communications (Admiral Stone) for the purpose of having a preliminary discussion of the impending visit of Paymaster Captain Wilson, in connection with British desires to coordinate Anglo-American future development of crypto-aids and to improve cryptographic mechanisms for Combined Communications.

## 2. Those present:

ARMY

Lt. Col. Neff  
Dr. Sinkov  
Dr. Kullback  
Mr. Friedman

NAVY

Admiral Stone  
Captain Horne  
Captain Smith  
Captain Safford

## 3. The following points were agreed upon:

a. Captain Smith as Chairman of U. S. group will act as spokesman for the group in meetings with the British on this subject.

b. The first meeting would be confined solely to a discussion of the CCM. The British would be asked to present their views regarding alleged weaknesses and possible improvements.

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of the CCM to increase its security. Captain Smith would present American proposals for improvements, the latter to comprise only the following three features; (1) use of variable-cam-contour disks, (2) changes in stepping control to increase length of cycle and eliminate short sub-cycles, (3) increase in number of rotors per set. These changes would be practicable if the British should agree to eliminate their TIREX-Adapter CCM and use GSF 1700 exclusively for Combined Communications.

c. There appears to be no reason to refrain from discussing automatic CCM equipment (tape-operated CCM for high-speed encipherment and decipherment) should this point arise in the course of discussions regarding the CCM.

d. There will be no discussion whatever as to possible use of ECM-SIGABA for Combined Communications. If the British should present any model or drawings of a machine which resembles the ECM-SIGABA, no comments would be made by U. S. representatives, but Captain Smith as Chairman of U. S. group would merely state that the matter would be taken under consideration. No expression or attitude on the part of any U. S. representative should disclose how close or far the British proposal is to ECM-SIGABA.

e. At the first meeting, U. S. representatives will initiate no discussion or proposals regarding the following: (1) new mechanisms for low-echelon usage; (2) ciphony or cifax equipments; (3) non-morse equipments, including such as AN/TRA-16.

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Should the British wish to enter into or make proposals concerning these subjects, they will be told these matters should be left for subsequent meetings and will receive consideration at the proper time.

f. In order to be prepared for future discussion of ciphony equipments, should the British raise this point as a field for coordination, the AEA representatives at today's meeting will request the Chief, ASA to issue directives as to how far the Army members may go in disclosing to the British details of Army ciphony and cifax developments, including SIGSALY and AN/OSQ-2.

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