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NORTH ATLANTIC MILITARY COMMITTEE

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Standing Group

Groupe Permanent

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Per Authority IMSM-431-99

10 November 1951

By JACOBS Date 12-10-99

MEMORANDUM FOR: All Member Nations (less Iceland),
SACEUR
EMCCC
NAO Regional Planning Group
Canada-U.S. Regional Planning Group

SUBJECT: CCM Systems for NATO

1. The Standing Group consider it to be expedient at this stage to provide all Member Nations and other NATO authorities concerned with information showing the status of implementation of CCM systems designed for second level use within NATO Armed Forces.

2. The attached paper sets out such details and also includes the types of machine in use, phasing of the provision of rotors, key lists and instructional manuals and some notes on the training of operators.

FOR THE STANDING GROUP:

E. B. W. CARDIFF
Colonel, British Army
Secretary

311.5
Dec 4

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DOCUMENT DESTRUCTION

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E N C L O S U R E

PLAN FOR THE PROVISION AND IMPLEMENTATION
OF NATO SECOND LEVEL CCM CRYPTO SYSTEMS

Reference: S.G. 7 series

1. Machines

a. The Combined Cipher Machine takes the following three forms:

(1) CCM Mark III (Typex Machine BID/08/6 with adaptor BID/08/3A.)

(2) CCM Mark II (CSP 1700).

(3) CCM Mark II (SIGROD).

b. It is intended that these machines should be distributed as far as possible in accordance with the following plan:

(1) CCM Mark III and CCM Mark II (CSP 1700) to Navies.

(2) CCM Mark II (SIGROD) to Armies and Air Forces.

2. Operational Crypto Systems

Supply of NATO second level crypto systems is planned in five phases as follows. In the Rotor Column, the Rotors with short title CCBP are used with CCM Mark III and those with short title AFSAR or CSP are used with CCM Mark II.

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Phase	Rotors	Key Lists	Available	Effective
1.	GCBP 0311) AFSAR 3910)	Three Services High Command (World Wide) ACP 228	Now	See para 5.
	GCBP 0311) AFSAR 3910)	Three Services General (World Wide) ACP 229	Now	See para 5.
2.	CCBP 0211) CSP 2811)	Submarine (World Wide) ACP 235	Nov. 1951	1st Feb. 1952
3.	CCBP 0311) AFSAR 3910)	Naval High Command ACP 236	Jan. 1952	1st Apr. 1952
	CCBP 0311) AFSAR 3910)	Naval General (World Wide) ACP 237	Jan. 1952	1st Apr. 1952
4.	CCBP 0311) AFSAR 3910)	Three Separate Three Services General Area, ACPs 238-240	Jan. 1953	War Reserve
	CCBP 0311) AFSAR 3910)	Three Separate Naval General Area ACPs 241-243	Jan. 1953	War Reserve
	CCBP 0211) CSP 2811)	Three Separate Submar- ine Area. ACPs 244-246	Jan. 1953	War Reserve
5.	New Rotors	Three Services High Command) (World Wide) ACP 228(AA)	Dependent on production of new Rotors	(War Reserve
	New Rotors	Naval Commanders-in-Chief) (World Wide) ACP _____		
	New Rotors	Naval Flag Officers) (World Wide) ACP 247		

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3. Instructional Manuals

a. The following Instructional Manuals will be provided:

(1) Operating Instructions for Combined Cipher Machine (CCM Mark III - Typex Machine BID/08/6 with adapter BID/08/3A). ACP 230.

(2) Repair and Maintenance Instructions for Combined Cipher Machine (CCM Mark III - Typex Machine BID/08/6 with adapter BID/08/3A). ACP 232 (two volumes).

(3) Operating Instructions for Combined Cipher Machine (CCM Mark II). ACP 231.

(4) Repair and Maintenance Instructions for the Combined Cipher Machine (CCM Mark II - CSP 1700) ACP 233.

(5) Repair and Maintenance Instructions for Combined Cipher Machine (CCM Mark II - SIGROD) ACP 234.

4. Training of Operators

a. There will be three types of crypto training:

(1) Classroom Training. Messages are not to be transmitted.

(2) Crypto Personnel Training. Messages may be transmitted in order to permit training in both encryption and decryption.

(3) Maneuvers.

b. Crypto systems will be provided and are to be used as follows:

(1) For Classroom Training. Rotors CCBP 0213, CSP 2813 with NATO Classroom Training CCM Key List ACP 253.

(See also subparagraph 5.a(4).)

(2) For Crypto Personnel Training. Rotors CCBP 0311, AFSAR 3910, with NATO Practice CCM Key List ACP 252. As an interim measure, the unlettered edition of ACP 229 with system indicator JINOV in lieu of those appearing on the Key List has been authorized for this purpose. If used, the first month's key should be used on odd numbered months, second month's key on even numbered months.

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(3) For Maneuvers, Operational rotors and key lists.

5. Present Status of Implementation

a. In order to expedite the partial implementation of the above plan, the following interim arrangements have been made:

(1) The British Admiralty has distributed a number of machines to NATO Navies, together with the rotors and key lists in paragraph 2, phase 1.

(2) ACP 228(A) and ACP 229(A) become effective for NATO naval (less USN) use on 1st November, 1951. The USN will place these systems into effect as soon as distribution is complete. Notification of this date will be made.

(3) SACEUR is in the process of distributing within his Command machines and rotors and key lists in paragraph 2, phase 1. He has been authorized by the Standing Group to place the appropriate editions of these systems into effect when ready. The effective date is expected to be sometime prior to 1st February, 1952.

(4) The British Admiralty and SACEUR have made local arrangements for the training of mechanics and operators. SACEUR has been authorized to prepare a classroom training key list based on rotors SIGHPTTE in advance of the final system referred to in subparagraph 4b(1).

b. Final implementation of the plan is dependent upon the completion of organizational arrangements now in progress.

RECOMMENDATIONS

6. It is recommended that the Standing Group approve the paper and transmit it to all member nations (less Iceland), SACEUR, EMCCC, NAORPG, CUSRPG, under cover of the memorandum at Enclosure.

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