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NORTH ATLANTIC MILITARY COMMITTEE  
COMITE MILITAIRE DE L'ATLANTIQUE NORD

IMSM-186-67  
25 August 1967

MEMORANDUM FOR: Ministry of Defense, Brussels, Belgium  
Ministry of Defense, Ottawa, Canada  
Ministry of Defense, Copenhagen, Denmark  
Ministry of Defense, Paris, France  
Ministry of Defense, Bonn, Germany  
Ministry of Defense, Athens, Greece  
Ministry of Defense, Rome, Italy  
Ministry of Defense, Luxembourg, Luxembourg  
Ministry of Defense, The Hague, Netherlands  
Ministry of Defense, Oslo, Norway  
Ministry of Defense, Lisbon, Portugal  
Ministry of Defense, Ankara, Turkey  
Ministry of Defense, London, England  
Secretary of Defense, Washington, D.C.  
Supreme Allied Commander Europe  
Supreme Allied Commander Atlantic  
Allied Commander-in-Chief Channel  
Military Committee Representative  
Allied Communications Security Agency

SUBJECT: Introduction of Tapeless, Rotorless On-Line (TROL) Cryptographic Equipment

References: a. SGM-161-65, 23 Apr 65  
b. SHAPE ltr 3190/23-37, 12 Dec 66 (NOTAL)  
c. AMSP 293(B)

1. Reference a drew attention to the possible desirability of upgrading the security clearance of personnel employed within communications centers upon introduction of tapeless, rotorless, on-line (TROL) cryptographic equipments. The comments received indicate that the nations will be unable to clear all personnel employed in NATO communications centers for access to COSMIC TOP SECRET information. In view of this, reference b recommended that all NATO COSMIC TOP SECRET messages be off-line encrypted prior to transmission over on-line circuits using the TROL equipment.

2. It is realized that, for economic as well as security reasons, not all operators manning the TROL circuits can be cleared for COSMIC TOP SECRET. Nevertheless, it is considered that off-line encryption of COSMIC TOP SECRET information should not be made

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Per Authority IMSM-0462-02  
This document consists of 2 pages.  
Date 26.11.2002

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mandatory. The use of the new TROL equipment for the encryption of COSMIC TOP SECRET messages should be permitted without prior off-line encryption over direct point-to-point on-line protected circuits when appropriate steps are taken to preclude unauthorized viewing.

3. In accordance with paragraph 429, reference <sup>c</sup> b, off-line encryption is considered the normal means of passing COSMIC TOP SECRET and CRYPTOSECURITY messages, but on-line transmission is permitted when the requirements in paragraph 429 are met before transmission. These regulations governing the on-line transmission of COSMIC TOP SECRET and CRYPTOSECURITY messages should continue to apply upon the introduction of TROL cryptographic equipment.



EZIO PISTOTTI  
Lieutenant General, Italian Army  
Director  
International Military Staff

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IMS

SUMMARY

SHEET

21 Aug 67

FROM	DIVISION	SUBJECT	Introduction of Tapeless, Rotorless, On-Line (TROL) Cryptographic Equipments
TO	<input type="checkbox"/> Vice Director <input checked="" type="checkbox"/> Director <input type="checkbox"/> Chairman		Original and one copy to be delivered to Assistant Secretary Asst Sec _____ Sec _____ Concurrence by: INT NOTED X _____ Division _____ Division
Copy to Vice-Director (delete if passed through him)			

SUMMARY

- Refs: a. SGM-161-65, 23 Apr 56  
 b. SHAPE ltr 3190/23-37, 12 Dec 66  
 c. AMSP 293(B)

BACKGROUND

1. Reference a drew attention to the possible desirability for upgrading the security clearance of personnel employed within communications centers upon introduction of tapeless, rotorless, on-line (TROL) crypto equipments. The comments received in reply indicate that the nations will be unable to clear all personnel employed in NATO communications centers for access to COSMIC TOP SECRET information. In view of this, reference b recommended that all NATO COSMIC TOP SECRET messages be off-line encrypted prior to transmission over on-line circuits using the TROL equipment.

DISCUSSION

2. The attached INSM is self-evident, and is approved by MCEWG.

AIM

3. To obtain the Director's approval of the attached INSM.

RECOMMENDATION

4. That the Director sign the attached INSM and authorize its release.

ACTION OFFICER: LCdr Coomber

*[Signature]*  
 ENRICO SCOTT, Col, It.A.  
 Actg. Asst Director C-E Div

(To be continued on further plain sheets if required)

REMARKS BY VICE-DIRECTOR OR DIRECTOR

*Please coordinate with INT DIV.*

*To: Director*

*R.  
23/8*

*25 Aug 67*

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*Attached has been coordinated with Intelligence Division as directed.*

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NORTH ATLANTIC MILITARY COMMITTEE

030

COMITE MILITAIRE DE L'ATLANTIQUE NORD

6 September 1967

CORRIGENDUM NO. 1

to IMSM-186-67

Holders of IMSM-186-67 (Introduction of Tapeless, Rotorless, On-Line (TROL) Cryptographic Equipment) are requested to amend paragraph 3 to correct "reference b" to read "reference c".

RMB/md

*R. M. Battles*  
*RMB*

R. M. BATTLES  
Commodore, Royal Canadian Navy  
for Director  
International Military Staff

*Already corrected*  
*7 Sept 67*  
*JH*

DISTRIBUTION: as for basic paper

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IMSM-186-67 - Corrigendum No. 1

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