

Enigma Machines in Foreign Countries

TICOM Report DF-190-AM, March 1950

Source: Appendix A from A. Hammarborg, "Catalog of Enigma Cipher Machine Wirings." Technical Information Division, Bibliographic Research Branch, June 1954. Top Secret FROTH. Declassified and approved for release by NSA on 26 Sept 2007 in response to FOIA Case No. 44559A. DOCID: 3220592

URL: <https://cryptocellar.org/enigma/e-history/ticom-df-190-am-enigma-in-foreign-countries.pdf>

Editor: Frode Weierud, Crypto Cellar Research



**NATIONAL SECURITY AGENCY
CENTRAL SECURITY SERVICE**
FORT GEORGE G. MEADE, MARYLAND 20755-6000

FOIA Case: 44559A
26 September 2007

Mr. Frode Weierud
Le Pre Vert
1041 Rte de Mategnin
F-01280 Prevessin-Moens
FRANCE

Dear Mr. Weierud:

This responds to your Freedom of Information Act (FOIA) request of 28 October 2004, which was received by this office on 2 November 2004, for a copy of the National Security Agency document entitled "Catalog of Enigma Cipher Machine Wirings," Control Number 182-4, June 1954. A copy of your request is enclosed. For purposes of this request, and based upon information you previously provided, you are considered a representative of the media. Additionally, you previously requested, and were granted, a fee waiver. There are no assessable fees associated with this request. Your request has been processed under the FOIA, and the document you requested is enclosed. Certain information, however, has been deleted from the enclosure.

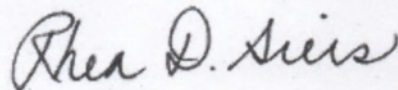
Some of the information deleted from the document was found to be currently and properly classified in accordance with Executive Order 12958, as amended. This information meets the criteria for classification as set forth in Subparagraphs (b), (c), and (g) of Section 1.4 and remains classified TOP SECRET as provided in Section 1.2 of the Executive Order. The information is classified because its disclosure could reasonably be expected to cause exceptionally grave damage to the national security. The information is exempt from automatic declassification in accordance with Section 3.3(b)(1, 3, and 6) of E.O. 12958, as amended. Because the information is currently and properly classified, it is exempt from disclosure pursuant to the first exemption of the FOIA (5 U.S.C. Section 552(b)(1)).

In addition, this Agency is authorized by various statutes to protect certain information concerning its activities. We have determined that such information exists in this document. Accordingly, those portions are exempt from disclosure pursuant to the third exemption of the FOIA which provides for the withholding of information specifically protected from disclosure by statute. The specific statutes applicable in this case are Title 18 U.S. Code 798; Title 50 U.S. Code 403-1(i); and Section 6, Public Law 86-36 (50 U.S. Code 402 note).

Since these deletions may be construed as a partial denial of your request, you are hereby advised of this Agency's appeal procedures. Any person denied access to information may file an appeal to the NSA/CSS Freedom of Information Act Appeal Authority. The appeal must be postmarked no later than 60 calendar days from the date of the initial denial letter. The appeal shall be in writing addressed to the NSA/CSS FOIA Appeal Authority (DJ4), National Security Agency, 9800 Savage Road STE 6248, Fort George G. Meade, MD 20755-6248. The appeal shall reference the initial denial of access and shall contain, in sufficient detail and particularity, the grounds upon which the requester believes release of the information is required. The NSA/CSS Appeal Authority will endeavor to respond to the appeal within 20 working days after receipt, absent any unusual circumstances.

Please be advised that the document appears to be missing some pages. This is because the blank pages in the document were removed. No information was on those pages.

Sincerely,

A handwritten signature in cursive script, reading "Rhea D. Siers".

RHEA D. SIERS
Deputy Associate Director for Policy

Encls:
a/s

~~TOP SECRET FROTH~~

NATIONAL SECURITY AGENCY
Washington 25, D. C.

~~TOP SECRET FROTH~~

CATALOG OF ENIGMA CIPHER MACHINE WIRINGS

Compiled by

Astrid Hammarborg

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL
DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE
ESPIONAGE LAWS, TITLE 18, U.S.C., SECTIONS 793, 794, AND
798, THE TRANSMISSION OR REVELATION OF WHICH IN ANY MANNER
TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

June 1954

TECHNICAL INFORMATION DIVISION
Bibliographic Research Branch

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APPENDIX A

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TICOM/DF-190-AM

Enigma Machines in Foreign Countries

S-4121

High Command of the Armed Forces
Armed Forces Operations Staff, Armed Forces
Radio Communications Branch (WFSt/Ag WNV/Fu IIa)

Berlin, 13 Sep 1943

File Nr. 1122/43 TOP SECRET

Reference: Your letter 89b 30.28/13d Nr. 1177/43 TOP SECRET

To: High Command of the Armed Forces, Chief of Army Equipment and
Commander of the Replacement Training Army, General Army, Office,
Inspectorate 7 IV¹³ (OKH/Chef H Ruest u Bd E./AHA/In 7 IV¹³).

In response to your letter it is reported in answer to question 1.):
The following countries have Enigma cipher machines with plugboards:
Italy, Romania, Hungary, Slovakia, Bulgaria. There have been delivered
to the following countries:

A. 26-unit printing cipher machines to: Argentina (Ch. 14), Germany-
Japan for the Nitrate Syndicate (Ch. 14), Japan (Ch. 3), and Hungary (Ch.
14)

B. 26-unit light bulb cipher machines similar to model K and model K
(commercial type plus special wirings of the wheels) to: Afghanistan with
identification letter A, Argentina with identification letter A, Brazil
with identification letter A, Chile with identification letter A, Germany
with identification letter A and K to a private customer, England with
identification letter A, France with identification letter A and K, Japan
with identification letter K and T, Mexico with identification letter A,
Austria with identification letter A, Poland with identification letter A,
Russia with identification letter A, Sweden with identification letter A,
Switzerland with identification letter K, Czechoslovakia with identifica-
tion letter A, Hungary with identification letter A, and USA with identi-
fication letter A.

C. 26-unit lamp bulb cipher machines with counter similar to model G
and model G (some with special wirings of the wheels) to: Chile with iden-
tification letter A, Germany with identification letter G (for the
Nitrate Syndicate and I.G. Farben), Holland with identification letter A
and G, Sweden with identification letter A, Czechoslovakia with identifi-
cation letter A, and Hungary with identification letter G.

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D. 10-unit lamp bulb cipher machines with numbers 1-9 and 0 to:
Chile and Sweden.

* * * * *

Lorenz for allied (eidgen) military depot	commercial	K323-324
Lorenz for Spanish Morocco	"	K356-358
Japanese Navy	"	K962-963
Switzerland		K755-858
Croatian General Staff of the Reserves, special wiring		K881-892
Italian Air Ministry	commercial	K302-311
Italian Military Attache Rome	special wiring	K583-584
Italian Navy	" "	K621-624
Italian Embassy Berlin	" "	K964-967
Italian Naval Attache	" "	K961
Communications of OKH/In 7 IV with the General Staff of the Italian Armed Forces		G249-250
Chi (Cryptologic Agency) with the Italian Military Attache	special wiring	G247-275

Reference question 2.): We do have the wheel wirings. Under the agreement more precise data will not be released right away.

The Chief of the High Command of the Armed Forces
per (Illegible signature)

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