R.I.P. 403 — Special Report Vol. 1
Special British Reports on German Cryptography

Source: NARA, College Park, Md., Record Group 38, Crane Collection, Box 169, RIP 403, ARC Identifier: 6921385, HMS/MLR Entry Number: A1 1025
https://catalog.archives.gov/id/6921385

Explanatory note: The document is only a partial copy consisting of the table of contents. It is possible a more complete copy will be available later.

Editor: Frode Weierud, Crypto Cellar Research
Web Site: www.cryptocellar.org

Version: 28 May 2022

DECLASSIFIED
Authority NND 003001
By WOP NARA Date 4/9/..

RIP 403 Special Report
Vol 1. Special British Reports of German Cryptography
RG38 Box 169

R.I.P. No. 403

ORIGINAL

TABLE OF CONTENTS
and
LIST OF EFFECTIVE PAGES

TOP SECRET-ULTRA

CONTENTS		CHANGE NUMBER	PAGE NUMBER
Title Page		0	
Letter of Promulgation		0	
Distribution List		0	
Correction Page		0	
Table of Contents and List of Effective Pages		0	
Foreword		0	
	PART I - 1942		
1.	Notes on German Naval W/T Traffic - January	0	1
2.	Memorandum No. 3. "Schlussel M (Form M 4)" January	0	2
3.	U-Boat Cribs - March	0	5
4.	Memorandum No. 12. Cryptographic Sub-section - State of Work Report, February 1942 - 9 March	0	8
5.	Memorandum No. 14. Function, Distribution and Development of the "Schlussel M" and Associated Traffic - 16 April	0	14
6.	"Schlussel M" Books and Documents for U.S.N.	0	25
7.	CXG 308 from London - 21 April	0	27
8.	Questions Handed to Col. Tiltman - 24 April	0	28
9.	Naval Message T 677 from Admiralty to Opnav - 13 May	0	29
10.	Naval Message T 678 from Admiralty to Opnav - 13 May	0	31
11.	Naval Message T 685 from Admiralty to Opnav - 15 May	0	32

DECLASSIFIED
Authority NND 003001
By WOP NARA Date 4/6/00

R.I.P. No. 403

ORIGINAL

TABLE OF CONTENTS
and
LIST OF EFFECTIVE PAGES

TOP SECRET-ULTRA

	CONTENTS	CHANGE NUMBER	PAGE NUMBER
12.	Naval Message from Opnav to Admiralty re electronic developments - 20 May	0	33
13.	Naval Message T 701 from Admiralty to Opnav - 22 May	0	35
14.	Notes on the K-book and U-boat serial numbers - 22 May	0	36
15.	Naval Message T 705 from Admiralty to Opnav - 24 May	0	37
16.	Naval Message from Rdo Ottawa to Admiralty 31 May	0	38
17.	Naval Message G 544 from Opnav to Admiralty - 17 June	0	39
18.	Naval Message T 800 from Admiralty to Opnav - 20 June	0	40
19.	Memorandum 46 - Cryptographic Sub-section Supplement No. 4 June 1942 to State of Work Report, February 1942 - 15 July	0	41
20.	Memorandum re Recent Information on "E" - 6 August	0	42
21.	Memorandum 58. Information on the Function and Distribution of Schlussel M since Mid-April 1942 - 11 August	0	43
22.	Memorandum from DNI Ottawa to Admiralty DNI 26 August	0	45
23.	Memorandum 80. Function, Distribution and Development of Schlussel "M" and Associated Cyphers since Mid-August, 1942 - 17 October	0	46
24.	Memorandum 84. German Merchant Navy Code in Far Eastern Waters - 23 October	0	51
25.	Three-Letter Codes	0	52
26.	G. A. F. Signals Organization	0	59

DECLASSIFIED
Authority NND 003001
By WOP NARA Date 4/6/..

R.I.P. No. 403

ORIGINAL

TABLE OF CONTENTS
and
LIST OF EFFECTIVE PAGES

TOP SECRET-UL

CONTENTS		CHANGE NUMBER	PAGE NUMBER
	PART II - 1943		
1.	Memorandum 108. Codes and Cyphers Used by German Blockade Runners, Supply Ships and Prizes - 5 February	0	66
2.	Memorandum 113. Cryptographic Sub-section Fourth State of Work Report to 31st January 1943 - 13 February	0	68
3.	Cryptographic Memorandum No. 4. Cryptographic Sub-section Supplement No. 2, March 1943, to the Fourth State of Work Report (Memorandum 113) - 10 April	0	78
4.	Prisoner-of-War Interrogation U-94 and U-701 re Enigma Traffic	0	79
5.	Cryptographic Memorandum No. 8. Function, Distribution and Development of Schlussel M and associated Cyphers since mid-October, 1942 - 10 May	0	82
6.	Cryptographic Memorandum No. 9. Cryptographic Sub-section Supplement No. 3, April 1943 to the Fourth State of Work Report (Memorandum 113) - 14 May	0	87
7.	Cryptographic Memorandum No. 14. Cryptographic Sub-section Supplement No. 4, May 1943 to the Fourth State of Work Report (Memorandum 113) - 10 June	0	88
8.	Cryptographic Memorandum No. 20. Cryptographic Sub-section Supplement No. 5, June 1943 to the Fourth State of Work Report (Memorandum 113) - 7 July	0	89
9.	Cryptographic Memorandum No. 24. Information from P.O.W. Sources on DAN 5-letter Traffic - 2 August	0	90
10.	Cryptographic Memorandum No. 26. Cryptographic Sub-section Supplement No. 6, July 1943 to the Fourth State of Work Report (Memorandum 113) - 12 August	0	92

DECLASSIFIED
Authority NND 003001
By WDO NARA Date 4/1

R.I.P. No. 403 ORIGINAL

TABLE OF CONTENTS
and
LIST OF EFFECTIVE PAGES

TOP SECRET

CONTENTS		CHANGE NUMBER	PAGE NUMBER
11.	Cryptographic Memorandum No. 29. Sunfish (DAN CQ and JN 171) - 23 August	0	93
→ 12.	Cryptographic Memorandum No. 32. Function, Distribution and Development of "Schlussel M" and Associated Cyphers from 1st May to 31st August, 1943 - 9 September	0	96
13.	Cryptographic Memorandum No. 33. The Cryptographic and Intelligence Value of German Minor Codes - 9 September	0	106
14.	German Traffic Situation as of 9 September	0	101
15.	German Traffic Disposition	0	104
16.	Cryptographic Memorandum No. 34. Reciprocals in the Naval "K" Codes (Gerna 23) - 10 September	0	110
17.	Japanese Circuits Known to Handle JN 171 (C) "Sakura" Traffic - 25 September	0	110a
18.	Notes on Enemy W/T in Northern Waters - 18 October	0	111
19.	PP Traffic - 23 October	0	117
20.	Cryptographic Memorandum 38. R.H.V. Offizier - 24 October	0	119
21.	Intelligence Memorandum No. 37. The Use and Function of "M-Freya" Cypher - 27 October	0	120
22.	Statement re "Schlussel Henno" - 10 November	0	123
23.	Memorandum re Crypto-intelligence concern-in JN-171 - 29 November	0	125
→ 24.	Cryptographic Memorandum No. 41. Function, Distribution and Development of Schlussel M and Associated Cyphers from 31st August to 30th November, 1943 - 1 December	0	126

DECLASSIFIED
Authority NND 003001
By WOP NARA Date 4/2/..

R.I.P. No. 403 ORIGINAL

TABLE OF CONTENTS
and
LIST OF EFFECTIVE PAGES

TOP SECRET

CONTENTS		CHANGE NUMBER	PAGE NUMBER
25.	CXG 78 from London - 13 December	0	132
26.	CXG 79 from London - 13 December	0	133
	PART III - 1944		
1.	Cryptographic Memorandum No. 44. Gerna 22: The LL Code - 16 January	0	134
2.	Memorandum No. 4. 4 Wheel Porpoise - 4 February	0	135
3.	Memorandum No. 8. "Schreibgeraet zum Schlussel M" - 24 February	0	137
4.	Cryptographic Memorandum No. 51. German Frequencies and "Schlussel M" Keys - 6 March	0	139
5.	Memorandum on Japanese Blockage - Running Submarines	0	153
6.	Intelligence Memorandum No. 50. Introduction of New Bigram Tables for German Naval Keys - 13 March	0	159
7.	Cryptographic Memorandum No. 53. "Schreibgeraet zum Schlussel M" - 10 March	0	162
8.	Intelligence Memorandum No. 56. A New German Naval Cypher - 30 May	0	165
9.	Cryptographic Memorandum No. 59. "Bonito" 9 May	0	167
10.	Long Cribs on Air Keys - 2 June	0	169
11.	The "Notschlussel" - 21 August	0	171
12.	Cryptographic Memorandum No. 64. The Developments of the Werft Tauschtafelweiser 23 August	0	175
13.	Cryptographic Memorandum No. 65. Henno - 25 August	0	179

DECLASSIFIED
Authority NND 003001
By WOP NARS Date 4/1/..

R.I.P. No. 403

ORIGINAL

TOP SECRET-ULTRA

TABLE OF CONTENTS
and
LIST OF EFFECTIVE PAGES

CONTENTS		CHANGE NUMBER	PAGE NUMBER
14.	Cryptographic Memorandum No. 67. Minor German Naval Codes and Cyphers - 8 October	0	186
15.	Enigma Uhr Numbering Mk. II - 7 November	0	195
16.	Germet 21 - 15 November	0	196
17.	Cryptographic Memorandum No. 75. German Merchant Navy Cypher - 12 December	0	198
18.	German Signals Security Improvements since the Battle of El Alamein (October/November) 1942	0	200
19.	German Signals Security Improvements during 1944	0	206
	PART IV - 1945		
1.	Cryptographic Memorandum No. 76. "Kurier-signalverfahren" - 1 January	0	213
2.	Review of the Bovril Situation - 13 January	0	215
3.	A New Type of Notschlussel - 17 March	0	231
4.	Notschlussel - 4 April	0	233
5.	The New Notschlussel - 11 April	0	234
	PART V - DORA		
1.	Use of D by Commands and Formations; Use of D in Area of Lfl. 3-20 February 1944	0	238
2.	Messages Concerning Dora	0	242
3.	Umkehrwalze D	0	243
4.	Messages with SZN Which Came Out on Uncle D	0	244
5.	D, Distribution of Uncle D, UD-3, Distribution of Uncle D (No. 3), UD-4, UD-5, UD-5 Erratum, UD-6, UD-7, UD-8, UD-9, UD-10, UD-11, UD-12, UD-14, UD-15, UD-16, UD-17, UD-18	0	245

DECLASSIFIED
Authority NND 003001
By WDP NARS Date 4/6/..

R.I.P. No. 403

ORIGINAL

TABLE OF CONTENTS
and
LIST OF EFFECTIVE PAGES

TOP SECRET-ULTRA

CONTENTS		CHANGE NUMBER	PAGE NUMBER
6.	UD-23 - 31 July 1944	0	258
7.	UD-24 - 9 August 1944	0	259
8.	UD-26 - 3 August 1944	0	260
9.	UD-27 - 3 August 1944	0	263
10.	UD-28 - 3 August 1944	0	264
11.	UD-29 - 4 August 1944	0	265
12.	UD-30 - 5 August 1944	0	266
13.	UD-31 - 6 August 1944	0	267
14.	UD-32 - 7 August 1944	0	268
15.	UD-33 - 9 August 1944	0	268A
16.	UD-34 - 25 August 1944	0	269
17.	UD-35 - 16 October 1944	0	274
18.	Comparisons of Stecker and Umkehrwalze D Pairings - 9 March 1945	0	283