

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424	TOP SECRET	
<u>.</u>	NUCLEAR WEAPONS SUPPORT	
	FOR SOVIET GENERAL PURPOSE FOR	CES
• •		
	AUTHORS	
•]
	DATE OF PUBLICATION	
	July 1977	

	Information Cutoff Date	e
	May 1977	
Docum and A Direc	document is a Department of ent prepared by the Nuclear pplied Sciences Division of torate for Scientific and Taligence of the Defense Interv.	r Energy f the Technical
	A STUDIES OF THE STUD	Withheld from public release by Defense Intelligence Agency under statutory authority
, , , , , , , , , , , , , , , , , , ,		of the Department of Defense, 10 USC § 424

Withheld from public release by		
Defense Intelligence Agency		
under statutory authority		
of the Department of Defense, -	TOP SECRET	
10 USC § 424		
	•	

PREFACE

This report analyzes all evidence on the organization, deployment patterns and command and control structure for nuclear weapons support of the Soviet General Purpose Forces. These forces include Frontal Aviation, tactical missile, naval air, and naval ship units.

______ This study was prepared by personnel of the Defense Intelligence Agency.

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

(Reverse Blank)

OP SECRET

TABLE OF CONTENTS

	Page N	No
PREFACE	- iii	
SUMMARY AND CONCLUSIONS	. ia	
SECTION I. SOVIET NUCLEAR WEAPONS ORGANIZATION	. 1	
SECTION II. SOVIET NUCLEAR WEAPONS STORAGE SITES	. 7	
E.O. 13526, section 3.3(b)(1)	19	
E.O. 13320, section 3.3(b)(1)	31	
SECTION V. STORAGE FOR NAVAL UNITS	. 49	
APPENDIX A. Capabilities of Selected Soviet Bombing Aircraft	57	
APPENDIX B. Major Soviet Transport Helicopter Units E.O. 13526, section 3.3(b)(1)	58	
APPENDIX C. Capabilities of Soviet Helicopters	59	
APPENDIX D. Characteristics of Some Soviet Tactical Missiles	60	
APPENDIX E. Estimated Soviet SCUD Units in Eastern Europe	61	
APPENDIX F. Estimated Soviet FROG Units in Eastern Europe		
APPENDIX G. Estimated East European SCUD Units		
APPENDIX H. Estimated East European FROG Units	64	

Withheld from public release by
Defense Intelligence Agency
under statutory authority
of the Department of Defense,
10 USC § 424

TOP SECRET

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

LIST OF FIGURES

Page No. Figure 1. Organizational Structure of a Soviet PRTB---E.O. 13526, section 3.3(b)(1)

> Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

Defense In under sta of the Depa	m public releas telligence Agen tutory authority rtment of Defen USC § 424	cy TOP SE	CRET	· · · · · · · · · · · · · · · · · · ·			DITING AND AN OWNER OF THE STATE OF THE STAT
-							
•							
						-	
		E.O. 13526,	section 3.3(b)(1)				
							20 X C
	;						6
	` : ;		at a		* . *	•	
,							
					,		
. L	_	· 38					
				De	nheld from publifense Intelligen inder statutory a he Department	ce Agency authority of Defense,	
		*			10 USC § 4	+24	

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

LIST OF TABLES

E.O. 13526, section 3.3(b)(1)

Tactical Missile Warhead Storage Table VIII. Sites E.O. 13526, section 3.3(b)(1)

45

E.O. 13526, section 3.3(b)(1)

Table XI. Nuclear Storage at Soviet Naval Bases----

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

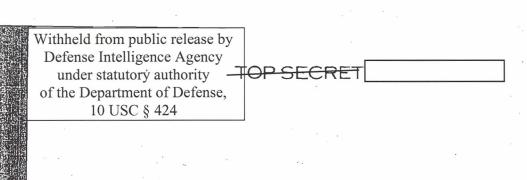
	TOP SECRET	
Wi	thheld from public release by	
D	Defense Intelligence Agency	
	under statutory authority	
of	the Department of Defense, SUMMARY AND CONCLUSIONS	
	10 USC § 424	
.	1 The focal point for the command and control of nuclear weapons for the Soviet General Purpose Forces is the Minister of Defense, who implements the decisions of the Presidium of the Communist Party and of the State Defense Council. Military	
	organizations, such as the Chief Missile-Artillery Directorate,	
	probably control the nuclear weapons storage sites for the forces	
	they support, and have the responsibility for transporting weapons	
	to the using units. E.O. 13526, section 3.3(b)(1)	
	During combat situations, the front commander	
	has the authority to determine how the nuclear weapons allocated	
	to his <u>front</u> will be employed within the guidelines approved by his superiors in Moscow.	
	mis superiors in Moscow.	
		, T
21		
	E.O. 13526, section 3.3(b)(1)	
·©		
	Withheld from public release by	
	Defense Intelligence Agency	
	under statutory authority	
	of the Department of Defense,	
	10 USC § 424	
	ix	
	TOP SECRET	
	. ,	

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424	P SECRET	
	E.O. 13526, section 3.3(b)(1)	
	Withheld from public release by Defense Intelligence Agency under statutory authority	

	eld from public release by
	nse Intelligence Agency
	ler statutory authority
of the	Department of Defense,
	10 USC § 424
	SECTION I
	SOVIET NUCLEAR WEAPONS ORGANIZATION
_	
_	
-	A. General
	The nuclear weapon storage and logistic system in the
	Soviet Union has been under development since the mid 1950s.
•	Extensive security measures, against both the Soviet populace and
	foreign intelligence efforts, have been successful in maintaining
	a veil of secrecy around most aspects of this activity.
3. 9	E.O. 13526, section 3.3(b)(1)
	B. Command and Control
- ~	1 The Presidium of the Central Committee, CPSU, is
	the basic authority for decisions on deployment and use of nuclear weapons by Soviet military forces.
	nadical meapons by boviet military forces.
	E.O. 13526, section 3.3(b)(1)
	2. The Minister of Defense implements the
	decisions of the Presidium and the State Defense Council on the
	deployment and use of nuclear weapons.
	E.O. 13526, section 3.3(b)(1)
. :	
	Withheld from public release by
	Defense Intelligence Agency
	under statutory authority
	of the Department of Defense,
4	10 USC 8 424 "

Vithheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense	
of the Department of Defense, 10 USC § 424	
3. At the beginning of a conflict the <u>front</u> commander probably would receive authorization from the Minister of Defense to commence nuclear operations within approved guidelines.	•
E.O. 13526, section 3.3(b)(1)	-
C. Nuclear Weapons Unit in the Field	•
	·
E.O. 13526, section 3.3(b)(1)	
	•
Withheld from public release by Defense Intelligence Agency under statutory authority	٠,
of the Department of Defense, 10 USC § 424 TOP SECRET	
	J

	I from public release by e Intelligence Agency
	r statutory authority
	Department of Defense, TOP SECRET
	10 USC § 424
	E.O. 13526, section 3.3(b)(1)
•	
,	
*	
-	4. E.O. 13526, section 3.3(b)(1) indicate that East
	European missile and air units expect to have nuclear weapons in
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war.
	European missile and air units expect to have nuclear weapons in the event of war. E.O. 13526, section 3.3(b)(1)
	European missile and air units expect to have nuclear weapons in the event of war. E.O. 13526, section 3.3(b)(1) Withheld from public release by
	European missile and air units expect to have nuclear weapons in the event of war. E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency
	European missile and air units expect to have nuclear weapons in the event of war. E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority
	European missile and air units expect to have nuclear weapons in the event of war. E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense,
	European missile and air units expect to have nuclear weapons in the event of war. E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424
	European missile and air units expect to have nuclear weapons in the event of war. E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense,
	European missile and air units expect to have nuclear weapons in the event of war. E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424



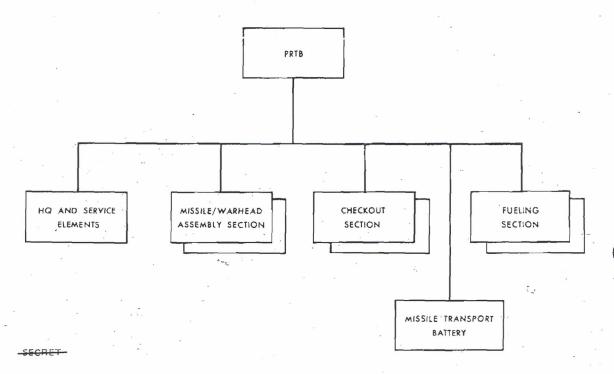


FIGURE 1. ORGANIZATIONAL STRUCTURE OF A SOVIET PRTB

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

Withheld from public release by	
Defense Intelligence Agency	
under statutory authority	<u> </u>
of the Department of Defense,	TOP SECRET
10 USC § 424	
196 252 153	
· · · · · · · · · · · · · · · · · · ·	
付記録	
制	
	E.O. 13526, section 3.3(b)(1)
12 33 34	
. :	
· L	
Withheld from public release by befense Intelligence Agency	y
Befense Intelligence Agency	5
under statutory authority	TOPSECRET
of the Department of Defense; 10 USC § 424	
10 OSC § 424	

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense 10 USC § 424		
	E.O. 13526, section 3.3(b)(1)	
Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424	6	
under statutory authority of the Department of Defense,	TOP SECRET 6	

Withheld from public release by
Defense Intelligence Agency
under statutory authority
of the Department of Defense,
10 USC § 424

SECR	



SECTION II

	SOVIET NUCLEAR WEAPONS STORAGE SITES
	DOVIDI NOCDEAN WEATOND STONAGE SITES
E.O. 13526, section 3.3(b)(1)	
	A. General
3	
3	1. There are categories of Soviet
=	1 There are categories of Soviet
1.2	installations associated with nuclear weapon storage.
2	
S	
9	The sites
22	
3	store and maintain both tactical and strategic nuclear
17	weapons for war reserve. Those discussed in this study are the
10	operational storage facilities which store those
国	nuclear weapons directly supporting the Soviet and East European
	units equipped with nuclear weapons delivery systems.
	· ·
140	
٠.	
	E.O. 13526, section 3.3(b)(1)
0 0	
	•
	<u> </u>
1	Withheld from public release by
	Defense Intelligence Agency
	under statutory authority
	of the Department of Defense,
	10 USC § 424

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

TOP SECRET

E.O. 13526, section 3.3(b)(1)

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424	TOP SECRET	
	E.O. 13526, section 3.3(b)(1)	
	E.O. 13520, section 3.5(b)(1)	
Withheld from pub Defense Intellige under statutory	ence Agency vauthority	
of the Department 10 USC §	t of Defense, 424 9 TOP SECRET	

を表現の

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense,		
10 USC § 424	OP SECRET	
•		
un de la companya de		á.
:		
		, and the second
	E.O. 13526, section 3.3(b)(1)	
•		
Withheld from public release by		
Defense Intelligence Agency under statutory authority		
of the Department of Defense, 10 USC § 424	10	

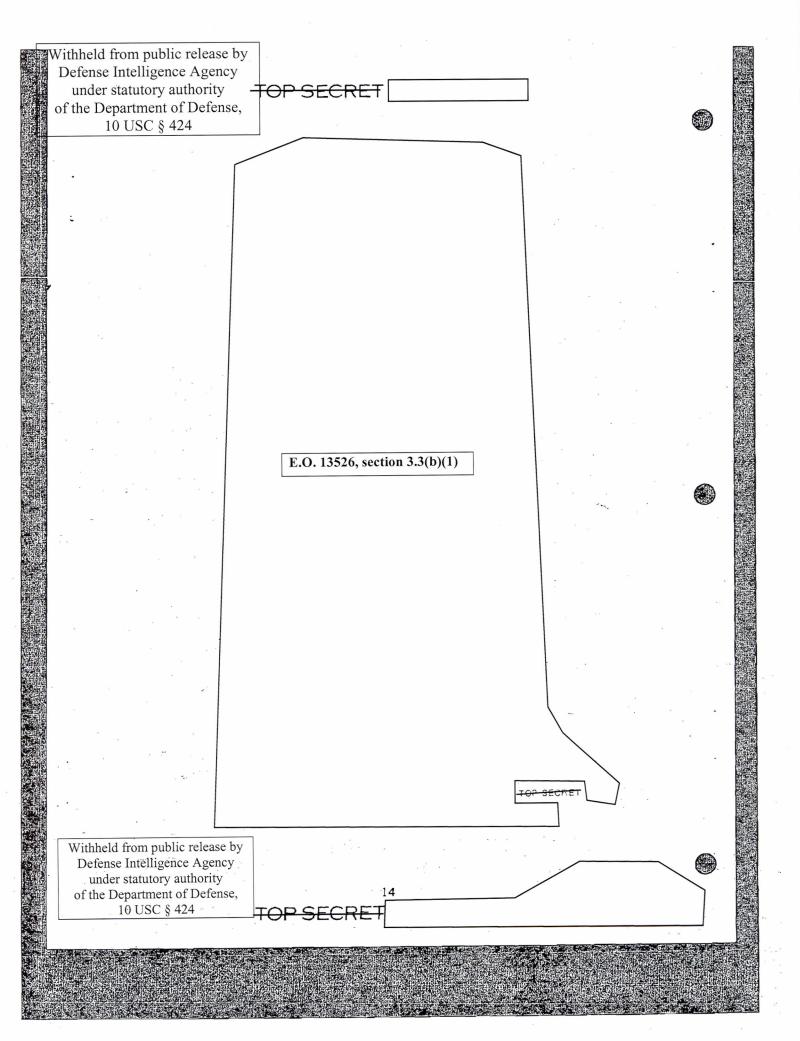
	TOP SECRET	Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424
		10 OSC § 424
v.		
381	E.O. 13526, section 3.3(b)(1)	
		, <u>, , , , , , , , , , , , , , , , , , </u>
v.		
	Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense,	
	10 USC § 424 TOP SECRET	

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424	OP SECRET		
10 USC § 424	,		1
•	E.O. 13526, section 3.3(b)(1)	*	
			150
,		× 1 × 1	•
a contract to		* u _z	
	9.56		
			,
		•	

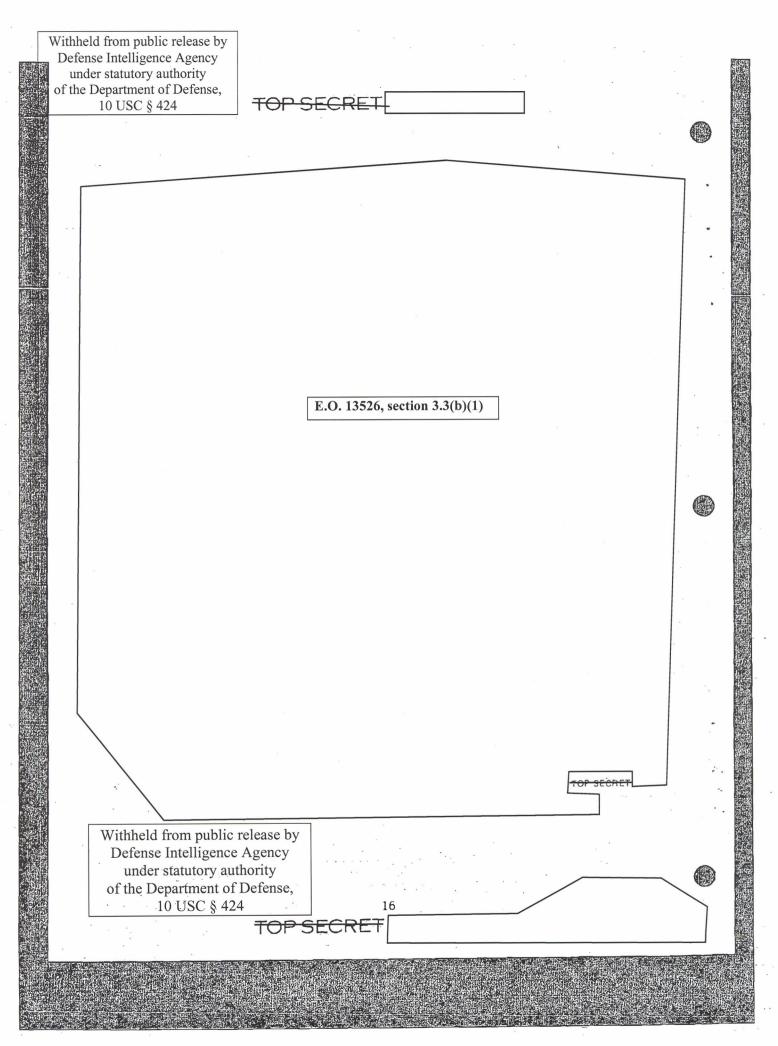
Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

12

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 ...



Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424



Withheld from public release by Defense Intelligence Agency under statutory authority the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 17

Withheld from public release by
Defense Intelligence Agency
under statutory authority
of the Department of Defense,
10 USC § 424

TOP SECRET

E.O. 13526, section 3.3(b)(1)

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

18

Withheld from public release by Defense Intelligence Agency TOP SECF under statutory authority the Department of Defense, 10 USC § 424 SECTION III STORAGE FOR FRONTAL AVIATION UNITS E.O. 13526, section 3.3(b)(1) ithheld from public release by efense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

Tithheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424	TOP SECRET	
W.		
	E.O. 13526, section 3.3(b)(1)	
,		
		;

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

20

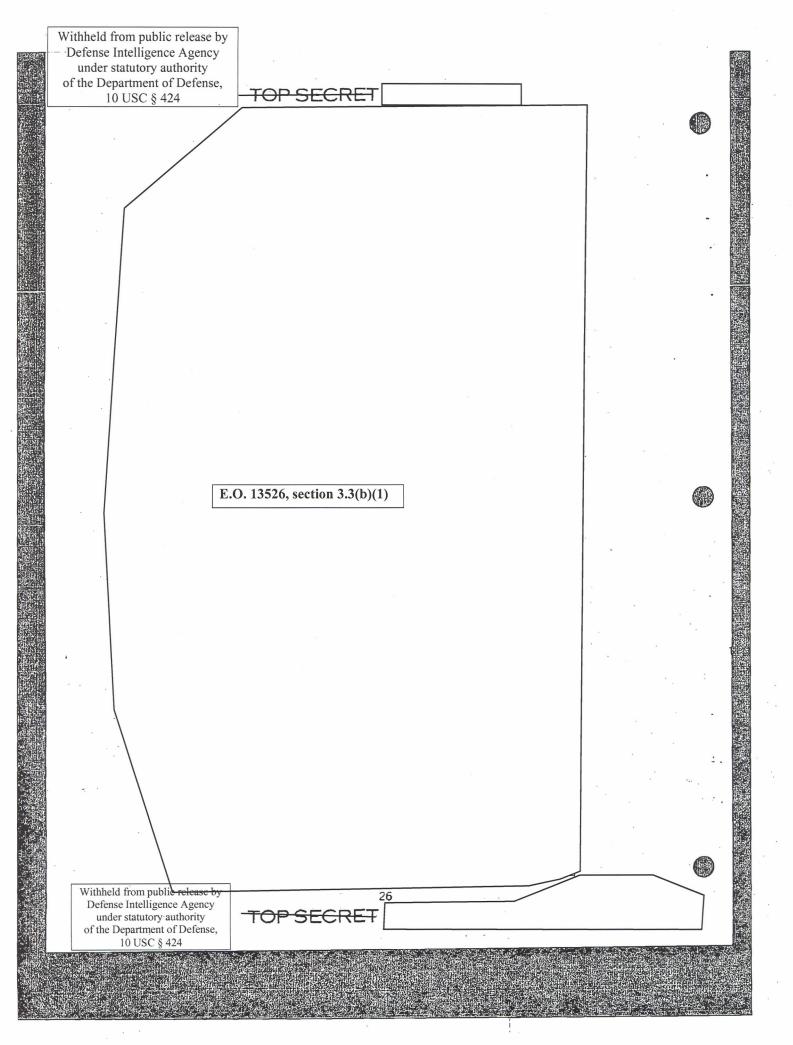
	Withheld from public release by	
0 6 0	Defense Intelligence Agency	
	under statutory authority	
	of the Department of Defense, TOP SECRET	
	10 USC § 424	
		7
		1
	E.O. 13526, section 3.3(b)(1)	
		. *
4		
		_
	Withheld from public release by	
	Defense Intelligence Agency	
4	under statutory authority	
	of the Department of Defense,	
	10 USC § 424	
		,
	21	1
	TOP SECRET	

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

Defense Intelligence Agency under statutory authority			
of the Department of Defense, 10 USC § 424	TOP SECRET		
	·		
•			
-			
		-	
•			
· · · · · · · · · · · · · · · · · · ·			
	E.O. 13526, section 3.3(b)(1)		
•			
•			
Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424	TOP SECRET		

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

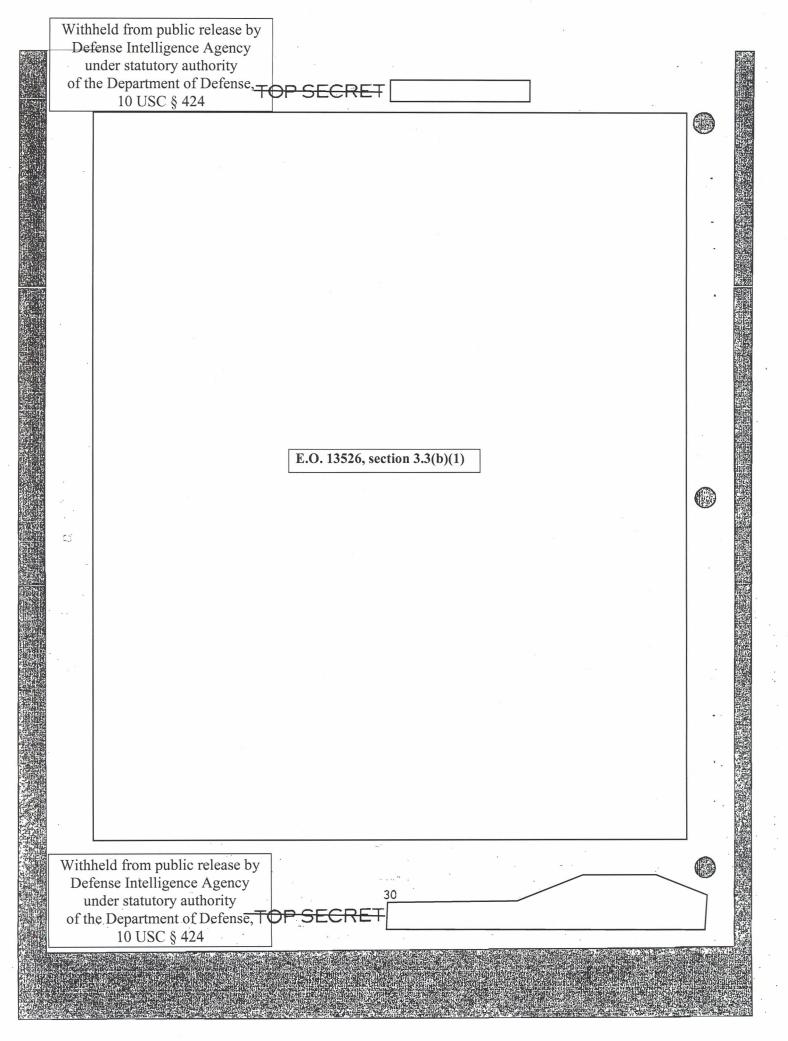
Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 -TOP SECRET E.O. 13526, section 3.3(b)(1) We neld from public release by Defense Intelligence Agency 25 under statutory authority TOP SECRET of the Department of Defense, 10 USC § 424



Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) hheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, TOP 10 USC § 424

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense 10 USC § 424

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense. 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424



Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, TOP SECRET 10 USC § 424 SECTION IV STORAGE FOR TACTICAL MISSILE UNITS E.O. 13526, section 3.3(b)(1)

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense,

31

10 USC § 424 TOP SECRE

Withheld from public release by Defense Intelligence Agency 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

of the	der statutory authority Department of Defense, 10 USC § 424	SECRET			
•				•	7
. .					2
		E.O. 13526, section 3.3(b)(1)			8
		E.O. 13320, section 3.5(b)(1)			
`\		Withheld from public release by	-		
		Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424			
	TOP	33 SECDET			

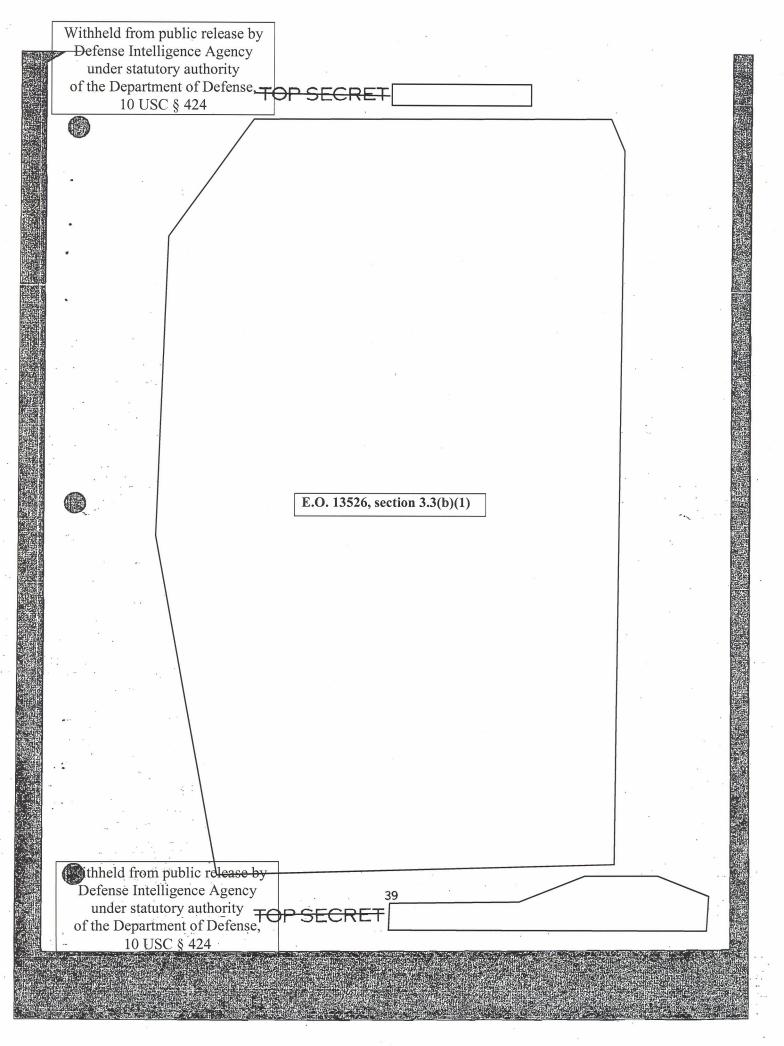
Defen	Id from public release by use Intelligence Agency er statutory authority Topper Department of Defense, 10 USC § 424	PSECRET[
		e e	*			
] .
						-
						2
						1 7
						.,
						12
		E.O. 13526, sec	ction 3.3(b)(1)			
						* .
	Withheld from pu	blic release by			- 196	_
	Defense Intellige	ence Agency				
	under statutor	y authority nt of Defense,		_		
.0 2	of the Departmen	It of Determon,				

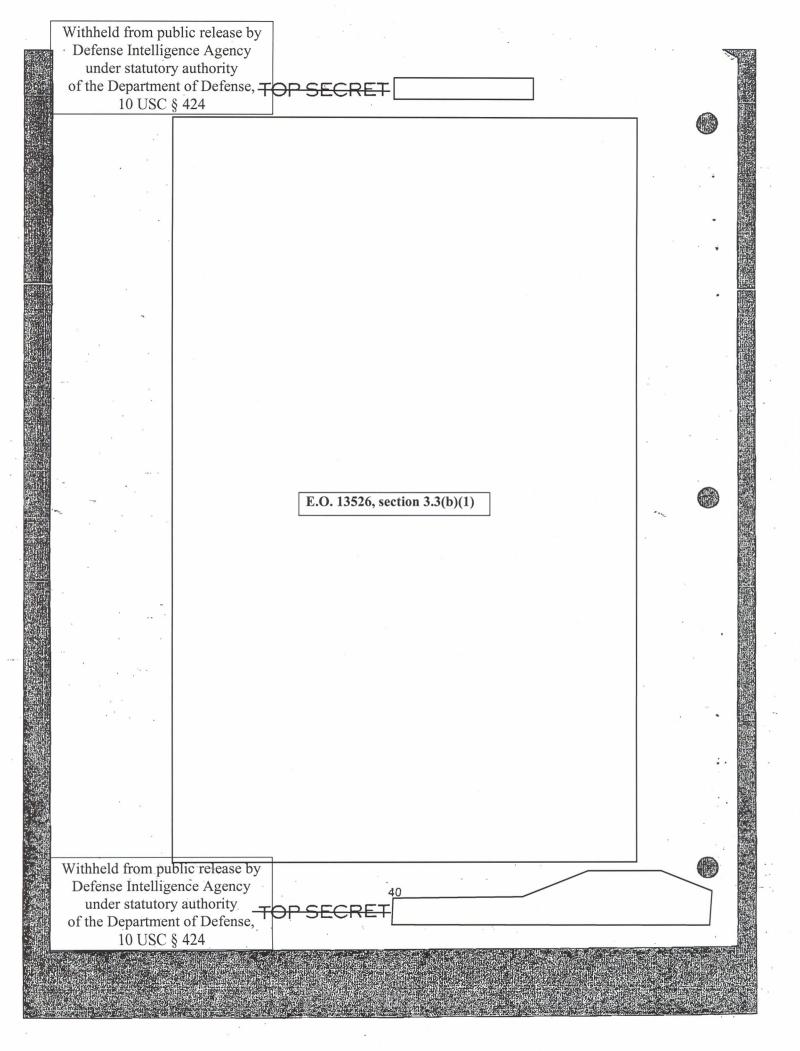
Withheld from public release by Defense Intelligence Agency under statutory authority
of the Department of Defense,
10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 TOP

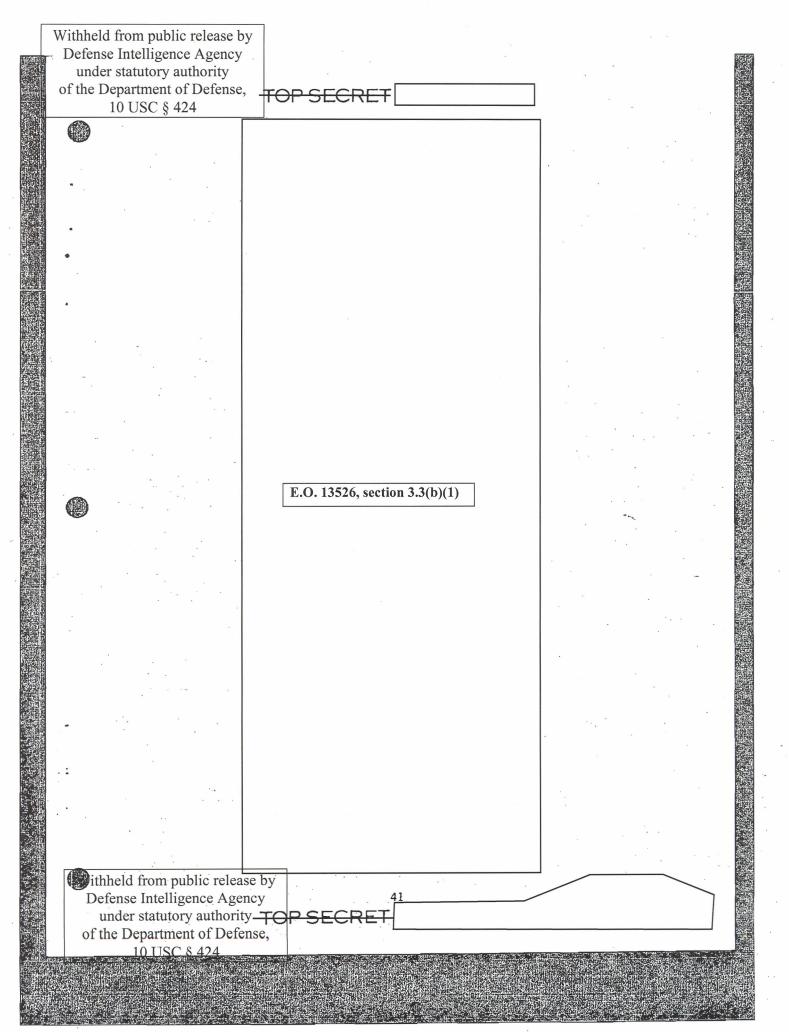
Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 36

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 TOF

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424



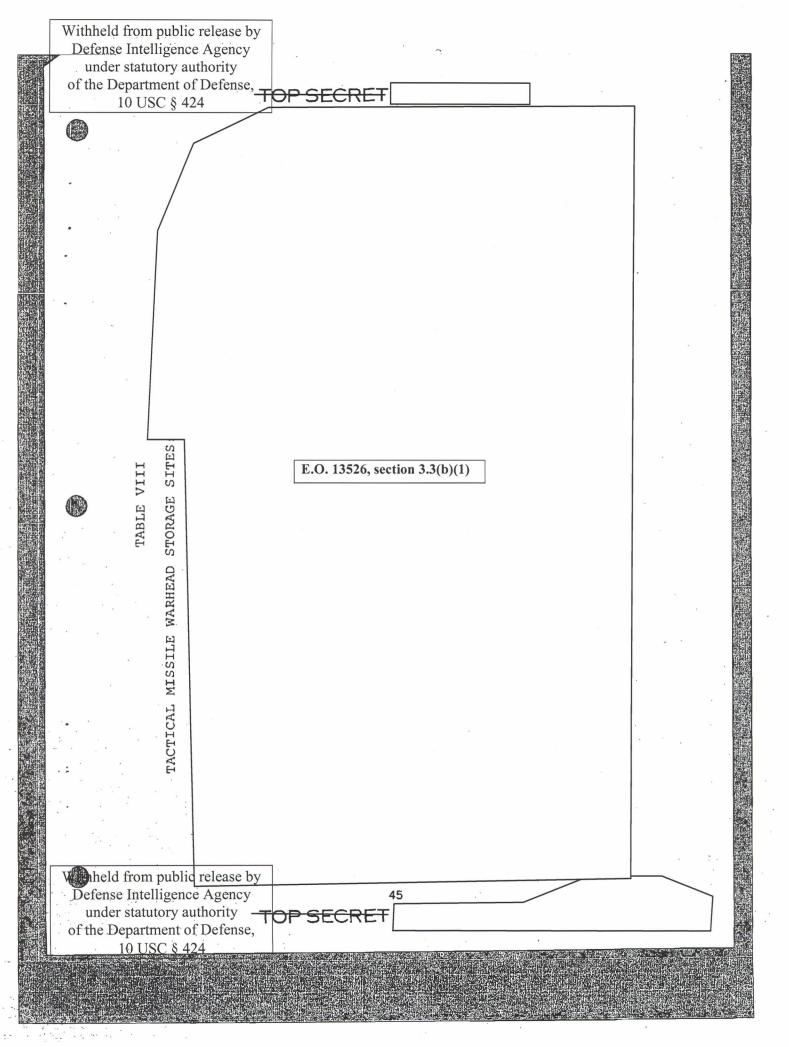




Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, TOP SECRET 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

Withheld from public release by
Defense Intelligence Agency
under statutory authority
of the Department of Defense,
10 USC § 424 Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC 8 424 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, OP SECRET 10 USC § 424



Withheld from public release by Defense Intelligence Agency
under statutory authority
of the Department of Defense,
10 USC § 424 TOP SECRE E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 46 10 USC § 424

10 US	ment of Defense, SC § 424		- '			

*						
		E.O. 135	526, section 3.3(b)	1)		
		2.0.15.	20, 500000000000000000000000000000000000			
					14	
						-
Withheld	from public release b	у				
Defense	Intelligence Agency					
under	statutory authority					\
of the De	epartment of Defense, 0 USC § 424	SECRE	47			7

Withheld from public release by
Defense Intelligence Agency
under statutory authority
of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency 48 under statutory authority TOP SECRET of the Department of Defense, 10 USC § 424

TOP SECRET

Withheld from public release by
Defense Intelligence Agency
under statutory authority
of the Department of Defense,
10 USC § 424

SECTION V

STORAGE FOR NAVAL UNITS

E.O. 13526, section 3.3(b)(1)

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

49

TOP SECRET

Withheld from public release by Defense Intelligence Agency under statutory authority TOP SECRET of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1)

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

TOP SECRET

Withheld from public release by -Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority 51 of the Department of Defense, 10 USC § 424

TOP SECRET	
	,
	•
E.O. 13526, section 3.3(b)(1)	
Withheld from public release by	:.
Defense Intelligence Agency under statutory authority of the Department of Defense,	

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

Withheld from public release by
Defense Intelligence Agency
under statutory authority
of the Department of Defense,
10 USC § 424

TABLE XI

NUCLEAR STORAGE AT SOVIET NAVAL BASES

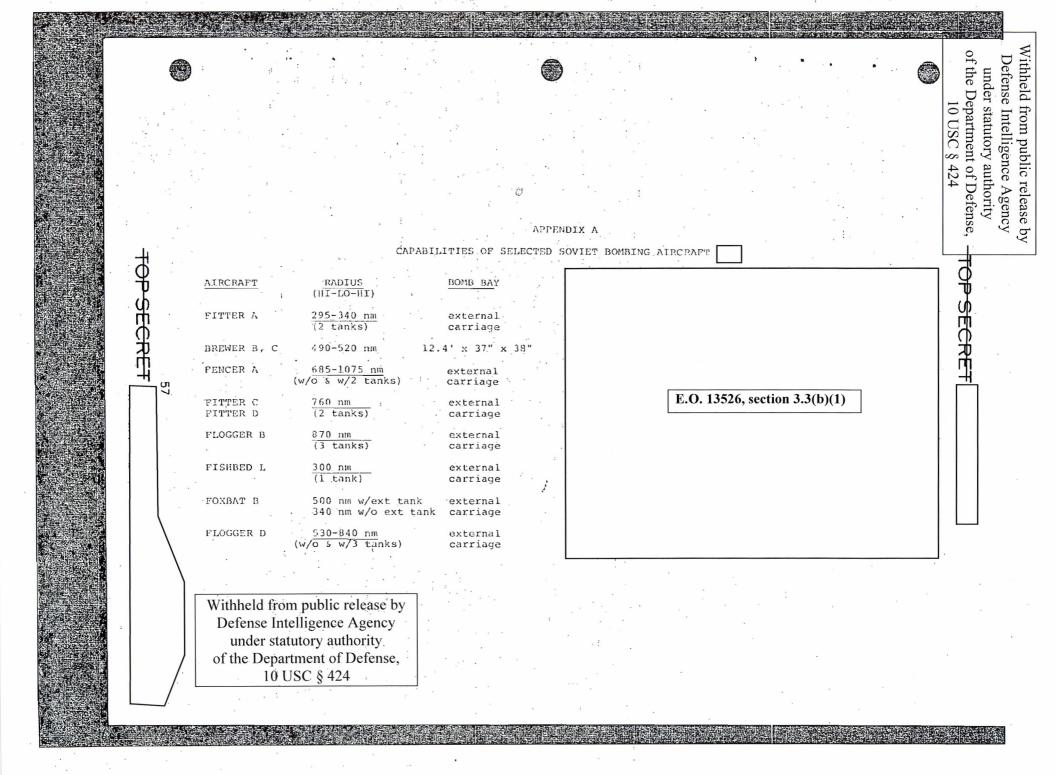
E.O. 13526, section 3.3(b)(1)

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

TOP SECRET

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424 TOP SECRET

Withheld from public release by Defense Intelligence Agency under statutory authority
of the Department of Defense.
10 USC § 424 E.O. 13526, section 3.3(b)(1) Withheld from public release by Defense Intelligence Agency under statutory authority
of the Department of Defense.
10 USC § 424



Withheld from public release by
Defense Intelligence Agency
under statutory authority
of the Department of Defense,

10 USC § 424

APPENDIX B

MAJOR SOVIET TRANSPORT HELICOPTER UNITS

E.O. 13526, section 3.3(b)(1)

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

58

TOP SECRET

Withheld from public release by
Defense Intelligence Agency
under statutory authority
of the Department of Defense, OP SECRET

10 USC § 424

APPENDIX C

- CAPABILITIES OF SOVIET HELICOPTERS

				CRUISE SPEED	CARGO COMPARTMENT (1 x w x h)
TYPE	NORMAL	LOAD	RADIUS	(at 2000')	(in feet)
HOUND (MI-4)	2,650	lbs	140 nm	100 kts	14.5 x 5 x 5
HIP(MI-8)	7,200	lbs	120 nm	115 kts	17.5 x 7.2 x 6
HOOK(uprated) (MI-6)	19,350	lbs '	155 nm	125 kts	38 x 8.7 x 8.2
HARKE 3 (MI-10K)	77,150	lbs	110 nm	80 kts	27 x 9.8 x 12.5 (platform)
HIND A	2,500	lbs	165 nm	165 kts	12 x 5 x 5

Payload shown for hovering take-off with a full fuel load.

Withheld from public release by
Defense Intelligence Agency
under statutory authority
of the Department of Defense,
10 USC § 424

59

TOP SECRET

APPENDIX D

E.O. 13526, section 3.3(b)(1)

CHARACTERISTICS OF SOME SOVIET TACTICAL MISSILES

SYSTEM MAXIMUM RANGE
FROG 3 36 km

FROG 7 70 km

SCUD A 150 km

SCUD B 300 km

925 km

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

SCALEBOARD

LAUNCHERS/UNIT

Soviet-4
Polish, Czech, Romanian,
Hungarian-3-4
Bulgarian-2-3

Soviet-4
East European-same as
for FROG 3, East
Germany-4

East European-8-9

Soviet-9-12 East European-6-9

Soviet-12

APPENDIX E

ESTIMATED SOVIET SCUD UNITS IN EASTERN EUROPE

-			,	
EAST	GERMANY			
	Altengrabow(3rd Shock Army)			
	Alt Ruedersdorf(20th Guards Army))		
	Gentzrode(2nd Guards Tank Army)			
	Juterbog (GSFG)			
	Dessau/Kochstedt(lst Guards Tank	Arm	y)	
	Konigsbruck (GSFG)	_		
	Lieberose Area	L	E.O	13526, section 3.3(b)(1
	Weissenfels(8th Guards Army)			
HUNGA	<u>ARY</u>			
	Dombovar			
CZECH	HOSLOVAKIA			
	Turnov			

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

TOP SECRET

Withheld from public release by Defense Intelligence Agency under statutory authority TOP SECRET of the Department of Defense, 10 USC § 424

APPENDIX F

ESTIMATED SOVIET FROG UNITS IN EASTERN EUROPE (S)



EAST GERMANY-20

3rd Shock Army 2nd Gds Tank Army 1st Gds Tank Army

Koningsbruck Halle Rosslau Wittenberg Zeithain

Neustrelitz Perleberg 2 Unlocated Gardelegen Krampnitz Hillersleben 1 Unlocated

8th Gds Army

20th Gds Army

Zeitz Ohrdruf 2 Unlocated Bernau Doberitz Juterbog

POLAND-2

Borne 1 Unlocated

CZECHOSLOVAKIA-5

Zdechovice Ceska Trebova Komarno 2 Unlocated

HUNGARY-4

Hajmasker Kiskunmajsa Komarom 1 Unlocated

> Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, TOP SECRET 10 USC § 424

APPENDIX G

ESTIMATED EAST EUROPEAN SCUD UNITS (TSI)

EAST GERMANY

Torgelau Hermsdorf

POLAND

Boleslawiec Choszczno Orzysz Biedrusko

HUNGARY

Tapolca

BULGARIA

Karlovo Area-, Samokov Yambol

ROMANIA

Tecuci Ineu

CZECHOSLOVAKIA

Stara Boleslav Rokycany Hranice

E.O. 13526, section 3.3(b)(1)

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

ESTIMATED EAST EUROPEAN FROG UNITS EAST GERMANY (6) Goldberg Gross Behnitz Hermsdorf POLAND (14) Trzebiatow Hrubieszow Szcezcin Morag Kozle Cdansk Zlocieniec Zlocieniec Zary Gizycko HUNGARY (6) Nagykanizsa Tata Tata Nyiregyhaza Szentcs CZECHOSLOVAKIA (10) Bor/Vysocany Holysov Jistebenice Jemeina Kocourovec BULGARIA (11) Boyanovo Area Grudovo Area Grudovo Area Simitli Area Yagoda Area Simitli Area Yagoda Area Simitli Area Yagoda Area Knyazhevo Area Yagoda Area Knyazhevo Area Yagoda Area Knyazhevo Area Yagoda Area Knyazhevo Area Yagoda Area Xnyazhevo Area Yagoda Area Xnyazhevo Area Yagoda Area Xnyazhevo Area Yagoda Area Xnyazhevo Area Yagoda Area	Withheld from public release by Defense Intelligence Agency under statutory authority TOP SECRET of the Department of Defense, 10 USC § 424	
EAST GERMANY (6) Goldberg Gross Behnitz Zeithain Erfurt POLAND (14) Trzebiatow Sulechow Szczcin Tarnowskie Gary Gansk Kozle Gdansk Kostrzyn Iunlocated Malbork HUNGARY (6) Nagykanizsa Jaszbereny Nyiregyhaza Szentes CZECHOSLOVAKIA (10)¹ Bor/Vysocany Holysov Struzna Tarbelca Szentes CZECHOSLOVAKIA (10)¹ Boyanovo Area Grudovo Area Kocourovec BULGARIA (11) Boyanovo Area Simitli Area Knyazhevo Area Simitli Area Yagoda Area Karlovo ROMANIA (10) 10 Unlocated battalions ¹Two unlocated FROG BN may exist in Eastern TD. Withheld from public release by Defense Intelligence Agency under stautuory authority of the Department of Defense, TOP SECRET	APPENDIX H	
Goldberg Gross Behnitz Hermsdorf POLAND (14) Trzebiatow Hrubieszow Morag Kozle Zary Zary Juliocated Gizycko HUNGARY (6) Nagykanizsa Tapolca Tapolca CZECHOSLOVAKIA (10) Boy/Vysocany Holysov Jistebenice Jimcina Kocourovec BULGARIA (11) Boyanovo Area Grudovo Area Grudovo Area Simitli Area Yagoda Area Karlovo ROMANIA (10) 1 Unlocated FROG BN may exist in Eastern TD. Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, TOSUMANIA (10) Sulechow Sulechow Screezin Tarouxskie Gary Kostrzyn Tarnowskie Gary Kostrzyn Juliocated Malbork Vimperk Struzna Terezin (2) Jimcina Tulovo Area Malevo Area M	ESTIMATED EAST EUROPEAN	FROG UNITS
Gross Behnitz Hermsdorf POLAND (14) Trzebiatow Hrubieszow Szcezcin Morag Kozle Zlocieniec Zary Juliocated Gdansk Zlocieniec Zary Juliocated Malbork HUNGARY (6) Nagykanizsa Tata Tapolca CZECHOSLOVAKIA (10)¹ Bor/Vysocany Holysov Jistebenice Jiemcina Koccurovec BULGARIA (11) Boyanovo Area Grudovo Area Simitli Area Yagoda Area Simitli Area Yagoda Area Karlovo ROMANIA (10) 1 Unlocated FROG BN may exist in Eastern TD. Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense,	EAST GERMANY (6)	
Trzebiatow Hrubieszow Hrubieszow Morag Kozle Zlocieniec Zlocieniec Zary Gizycko HUNGARY (6) Nagykanizsa Tapolca Tata Tapolca CZECHOSLOVAKIA (10) Bor/Vysocany Holysov Jistebenice Jemeina Kocourovec BULGARIA (11) Boyanovo Area Grudovo Area Grudovo Area Simitli Area Yagoda Area Karlovo ROMANIA (10) 10 Unlocated battalions 1 Two unlocated FROG BN may exist in Eastern TD. Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense,	Gross Behnitz	Zeithain
Hrubieszow Morag Morag Kozle Zlocieniec Zlocieniec Kostrzyn Zary 1 Unlocated Malbork HUNGARY (6) Nagykanizsa Tapolca Tapolca Szentes CZECHOSLOVAKIA (10) Bor/Vysocany Holysov Jistebenice Jemeina Kocourovec BULGARIA (11) Boyanovo Area Grudovo Area Grudovo Area Grudovo Area Simitli Area Yagoda Area Karlovo ROMANIA (10) 10 Unlocated battalions Late Group Secret Szentes Vimperk Struzna Terezin (2) Terezin (2) Terezin (2) Terezin (2) Terezin (2) Terezin (2) Tulovo Area Malevo Area Knyazhevo Area Knyazhevo Area Simitli Area Yagoda Area Knyazhevo Area Simitli Area Yagoda Area Karlovo ROMANIA (10) 10 Unlocated battalions Late Group Secret 64 Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense,	POLAND (14)	
Nagykanizsa Tata Tapolca CZECHOSLOVAKIA (10) Bor/Vysocany Holysov Jistebenice Jemcina Kocourovec BULGARIA (11) Boyanovo Area Grudovo Area Simitli Area Yagoda Area Karlovo ROMANIA (10) 10 Unlocated battalions 1 Two unlocated FROG BN may exist in Eastern TD. (TS) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, TOP SECRET	Hrubieszow Morag Kozle Zlocieniec Zary	Szcezcin Tarnowskie Gary Gdansk Kostrzyn l Unlocated
Tata Tapolca Szentes CZECHOSLOVAKIA (10) Bor/Vysocany Vimperk Struzna Terezin (2) Jemcina 1 in 4th TD area Kocourovec BULGARIA (11) Boyanovo Area Malevo Area Grudovo Area Malevo Area Simitli Area Knyazhevo Area Yagoda Area Sinda Junlocated battalions ROMANIA (10) 10 Unlocated battalions 1 Two unlocated FROG BN may exist in Eastern TD. (Ts Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, TOP SECRET	HUNGARY (6)	•
Bor/Vysocany Vimperk Holysov Struzna Jistebenice Terezin (2) Jemcina 1 in 4th TD area Kocourovec BULGARIA (11) Boyanovo Area Malevo Area Grudovo Area Knyazhevo Area Simitli Area Knyazhevo Area Yagoda Area Knyazhevo Area Yarodo Area Simitli Area Yagoda Area Karlovo ROMANIA (10) 10 Unlocated battalions 1 Two unlocated FROG BN may exist in Eastern TD. (TS) Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, TOP SECRET	- Tata	Nyiregyhaza Szentes
Holysov Jistebenice Jemcina Kocourovec BULGARIA (11) Boyanovo Area Grudovo Area Grudovo Area Simitli Area Yagoda Area Karlovo ROMANIA (10) 10 Unlocated battalions 1 Two unlocated FROG BN may exist in Eastern TD. Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense,	CZECHOSLOVAKIA (10)	· · · · · · · · · · · · · · · · · · ·
Boyanovo Area Grudovo Area Simitli Area Yagoda Area Yagoda Area Knyazhevo Area 3 Unlocated battalions ROMANIA (10) 10 Unlocated battalions Two unlocated FROG BN may exist in Eastern TD. Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, TOP SECRET	Holysov Jistebenice Jemcina Kocourovec	Struzna Terezin (2)
10 Unlocated battalions Two unlocated FROG BN may exist in Eastern TD. Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense,	Boyanovo Area Grudovo Area Simitli Area Yagoda Area	Malevo Area Knyazhevo Area
Two unlocated FROG BN may exist in Eastern TD. Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense,	ROMANIA (10)	
Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense,	10 Unlocated battalions	
	Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, TOP SECRET	ist in Eastern TD. (NG)

Withheld from public release by Defense Intelligence Agency under statutory authority TOP of the Department of Defense, 10 USC § 424 DISTRIBUTION LIST DIA US ARMY US NAVY DIA US AIR FORCE U&S COMMANDS Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

Defe un	eld from public release by ense Intelligence Agency der statutory authority—TC Department of Defense,		Ŧ	•			
Of the	10 USC § 424						
	OTHER	,					
		1					•
							•
							6
							.
	DISTRIBUTION DIREC	T TO RECIPIE	ENT				
				3 3			
						÷	
						;	
			* * * * * * * * * * * * * * * * * * *		•		
100 g							
			IN P. N			2 2	

Withheld from public release by Defense Intelligence Agency under statutory authority of the Department of Defense, 10 USC § 424

TOP SECRET

TOPSECRET