

HISTORY OF THE CUSTODY AND DEPLOYMENT OF NUCLEAR WEAPONS (U)

JULY 1945 THROUGH SEPTEMBER 1977



PREPARED BY
OFFICE OF THE ASSISTANT TO THE SECRETARY
OF DEFENSE (ATOMIC ENERGY)
FEBRUARY 1978

Controlled Document
Certificate of Destruction Required

DNA-36-1-1-1-1

TE-A94-0034

CLASSIFIED BY: ATSD(AE) AND CG-W-4

Copy 11

34

"EXCISED UNITED STATES GOVERNMENT
OF (THE FREEDOM OF INFORMATION
ACT) 5USC552 (b) (1) and (2)"

~~TOP SECRET~~

RESTRICTED DATA

This document contains Restricted Data as defined in the Atomic Energy Act of 1954. Its dissemination or disclosure to any unauthorized person is prohibited.

R-1 94-F 0542(9)
49 F-1525
94-TS-008977-75-0
1

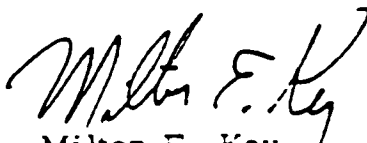
30 MAR 1978

MEMORANDUM FOR UNDER SECRETARY OF DEFENSE RESEARCH
AND ENGINEERING
CHAIRMAN, JOINT CHIEFS OF STAFF
ASSISTANT SECRETARY OF DEFENSE (ISA)
ASSISTANT SECRETARY OF DEFENSE (PA&E)

SUBJECT: History of the Custody and Deployment of Nuclear Weapons

Attached is an update to the subject document that was originally transmitted by the ATSD(AE) on 7 April 1976. It contains a narrative of developments and updates of appendices and maps for Fiscal Years 1976 and 1977. A list of page substitutions is also provided.

It is requested that superseded pages be destroyed as soon as possible due to the sensitivity of the material contained therein.



Milton E. Key
Major General, USA
Deputy Assistant to the Secretary
of Defense (Atomic Energy)

Attachments

1. List of Page Substitutions (Unclas)
2. History Update (TSRD)

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

~~TOP SECRET~~

Document Transmitted
Hereby Contains
RESTRICTED DATA

T

LIST OF PAGE SUBSTITUTIONS

Old Pages

Front Cover
i thru viii
155 and 156
159 and 160
161 thru 198

A-1 and A-2

B-1 thru B-8
C-1 and C-2
C-31 and C-32
D-1 and D-2

E-1 and E-2

I-1 thru I-15

Rear Cover

New Pages

Front Cover ✓
i thru viii ✓
155 and 156 ✓
159 and 160 ✓
161 thru 182 ✓
BIB-1 thru BIB-36 ✓
A-1 and A-2 ✓
 A-7 ✓
B-1 thru B-8 ✓
C-1 and C-2 ✓
C-31 thru C-56 ✓
D-1 and D-2 ✓
 D-5
E-1 and E-2 ✓
E-9 thru E-11
Appendix I cover page and
I-1 thru I-14
Rear Cover

~~TOP SECRET~~

HISTORY
OF THE
CUSTODY AND DEPLOYMENT
OF NUCLEAR WEAPONS (U)

JULY 1945 THROUGH SEPTEMBER 1977

Prepared By

OFFICE OF THE ASSISTANT TO THE SECRETARY
OF DEFENSE (ATOMIC ENERGY)

February 1978

Classified by: ATSD(AE) and CG-W-4

1

~~TOP SECRET~~

~~RESTRICTED DATA~~

~~This document contains Restricted Data
as defined in the Atomic Energy Act of
1954. Dissemination or disclosure to any
individual without authority is prohibited.~~

UNCLASSIFIED

DISTRIBUTION

<u>Addressee</u>	<u>No. of Copies</u>
Under Secretary of Defense, Research and Engineering	1
Assistant Secretary of Defense (International Security Affairs)	3
Assistant Secretary of Defense (Program Analysis and Evaluation)	2
Chairman, Joint Chiefs of Staff	4
Director, J-3, OJCS	1
Director, J-5, OJCS	1
Director, Defense Nuclear Agency	2
Army Military Liaison Committee Member	1 each (2)
Navy Military Liaison Committee Member	1 each (2)
Air Force Military Liaison Committee Member	1 each (2)
Chairman, Senate Armed Services Committee	1
Chairman, House Armed Services Committee	1
Secretary of State	1
Secretary of Energy	4
Historian, Office of the Secretary of Defense	1

UNCLASSIFIED

P R E F A C E

(U) This history provides the reader with a basic understanding of how we arrived at our present posture in nuclear weapons in order that he may be better able to cope with the problems of the future. It traces the evolution of the custody, deployment authorizations, and dispersals of nuclear weapons from July 1945 through September 1977. It illustrates, as factually as possible within data collection sources, the development of, and statistical data associated with, the United States nuclear force.

(U) The material was derived from the records of the Office of the Assistant to the Secretary of Defense (Atomic Energy), the Joint Staff and the Defense Nuclear Agency. Every effort was made to reconcile disparities in numbers; however, due to different accounting procedures particularly prior to 1961, there are some minor conflicts pertaining to individual totals by weapon authoritative accounts of the Defense Nuclear Agency and the Energy Research and Development Administration (now Department of Energy).

(U) Many of the key individuals who were intimately involved in the policy discussions and decisions are no longer available to provide a first-hand account of the happenings. It was therefore necessary to borrow liberally from many sources, most of whom are identified.

(U) This history does not reflect the opinions or views of the Department of Defense.

UNCLASSIFIED

TABLE OF CONTENTS

<u>Chapter</u>	<u>Title</u>	<u>Page</u>
	Preface	iii
	List of Tables	vii
	List of Appendices	viii
1	Introduction	1
2	The Beginning--AEC Control	5
3	The Period of Transition--1950-1952	15
4	DoD Quest for Custody--1951-1953	21
5	The Development of Worldwide Dispersals--1952-1955	27
6	Split Custody--1955-1957	39
7	Dispersals--1956-1958	49
8	DoD Custody of Dispersed Weapons--1958-1959	53
9	NATO--1957 to January 20, 1961	59
10	Watch Dog--"The Joint Committee on Atomic Energy"	67
11	Flexible Response	77
12	U.S.-NATO Military Nuclear Arrangements	83
13	Dispersals--1962-1964	93
14	NATO Strategy and Dispersals--1964-1966	103
15	Final Custody--1966-1967	111
16	Developments in Europe and the Pacific--1966-1968	115
17	Dispersal Authorizations--FY 1969-1970	121
18	Political Events, Custody Actions and Dispersal Authorizations--1969-1971	127

UNCLASSIFIED

UNCLASSIFIED

<u>Chapter</u>	<u>Title</u>	<u>Page</u>
19	Political Developments and Deployment Authorizations--1972	141
20	Developments and Deployment Authorizations--1973-1975	153
21	Developments and Deployment Authorizations--1975-1977	161
	Summation	175
	Bibliography	BIB-1 thru BIB-36

UNCLASSIFIED

LIST OF TABLES

<u>Table</u>	<u>Title</u>	<u>Page</u>
I	Long Range Deployment Plan FY 1955	32
II	Nuclear Weapons Deployment Authorization FY 1955	34
III	Schedule of Bases	36
IV	Nuclear Weapons Deployment Authorization FY 1956	40
V	Stockpile Analysis as of 28 January 1957	51
VI	Custody of Nuclear Weapons (1949-1959)	55
VII	Areas Under Full U.S. Control--Complete Weapons in Support of U.S. Forces	98
VIII	Updated FY 1963 Dispersal Plan	99
IX	Summary of Nuclear Weapon Dispersal for FY 1964	102
X	Areas Under Foreign Sovereignty, FY 1965	106
XI	Support of Non-US Forces for FY 1965	106
XII	Programs of ADM Support	130
XIII	U.S. Deployments and Stockpile for Initial, Peak and End FY 1977 Years	175
XIV	Total Stockpile (By Fiscal Year)	176
XV	Deployments in NATO Europe (End Fiscal Year Totals)	177
XVa	Central Region NATO Europe (End Fiscal Year Totals) Deployments	178
XVb	Southern Flank NATO Europe (End Fiscal Year Totals) Deployments	179
XVI	Pacific Deployments in Support of Forces Ashore (End Fiscal Year Totals)	180
XVII	Atlantic Deployments in Support of Forces Ashore (End Fiscal Year Totals)	181
XVIII	Afloat Deployments by Region (End Fiscal Year Totals)	182

UNCLASSIFIED

UNCLASSIFIED

APPENDICES

<u>Appendix</u>	<u>Title</u>	<u>Page</u>
A	Chronology--Transfer and Dispersal of Nuclear Weapons	A-1 thru A-7
B	Chronology--Deployments by Country (Fiscal Years 1951-1977)	B-1 thru B-8
C	Nuclear Weapons Deployments by Country, Region, and Afloat (Fiscal Years 1961-1977)	C-1 thru C-56
D	Nuclear Weapons Authorizations and Dispersals by Country, Region and Afloat (Fiscal Years 1947-1977)	D-1 thru D-5
E	Nuclear Weapons Stockpile (Fiscal Years 1947-1977)	E-1 thru E-11
F	Policy and Guidance Statements for Custody and Control of Warheads for Army National Guard Nike-Hercules	F-1 thru F-4
G	Policy and Guidance Statements for Custody of Nuclear Weapons for Air National Guard Fighter-Interceptor Aircraft	G-1 thru G-4
H	Nuclear Agreements	H-1 thru H-5
I	Storage Location Maps (as of 30 September 1977)	I-1 thru I-13

~~TOP SECRET~~

APPENDIX B

CHRONOLOGY

DEPLOYMENTS BY COUNTRY

CY 1951 - 1977

B-1

~~TOP SECRET~~

~~FORMERLY RESTRICTED DATA~~

~~Unauthorized disclosure subject to
Administrative and Criminal Sanctions. Handle
as Restricted Data in Foreign Dissemination
Section 144.B., Atomic Energy Act, 1954.~~

CHRONOLOGY

DEPLOYMENTS BY COUNTRY (U)

<u>COUNTRY</u>	<u>WEAPON</u>	<u>INITIAL ENTRY</u>	<u>WITHDRAWN</u>
Alaska	Nonnuclear Bomb	Nov 55	Jun 67
	Bomb	Jan 56	Jun 75
	Genie	Sep 57	Sep 60
	Depth Bomb	Jul 58	
	ADM	Jan-Mar 61	Jun 70
	Falcon	Apr-Jun 61	Jun 70
	155mm Howitzer	Feb 67	Jun 75
	Nike Hercules	Jan-Mar 70	
[REDACTED]	Nonnuclear Bomb	Jul-Dec 50	Jun 71
	Bomarc	Jan-Mar 64	Jun 72
	Genie	May 65	
	Falcon	Jul 65	Dec 66
	Depth Bomb	Feb 68	Jun 70
[REDACTED]	Bomb	Feb 56	Mar-May 56
	Regulus	Mar-May 56	Oct-Dec 64
	Talos	Oct-Dec 64	Dec 65
Cuba	Nonnuclear Depth Bomb	Dec 61	Jul-Sep 63
[REDACTED]	Bomb	Feb 58	Oct-Dec 58
	Nike Hercules	Nov 59	Jul 65
Guam	Nonnuclear Bomb	Jul 50	
	Bomb	Jun 51	
	Depth Bomb	Jun-Aug 57	
	Regulus	Sep-Nov 57	Apr-Jun 64
	Nike Hercules	Jun 61	Jun 69
	Boar	Jan-Mar 62	Apr-Jun 63
	Hotpoint	Jan-Mar 62	Oct-Dec 64
	Lacrosse	Apr-Jun 62	Oct-Dec 63
	Little John	Apr-Jun 62	Jun 69
	Honest John	Apr-Jun 62	
	ADM	Apr-Jun 64	
	Davy Crockett	Jan 65	Jun 69
	8-inch Howitzer	Jun 65	

~~TOP SECRET~~

<u>COUNTRY</u>	<u>WEAPON</u>	<u>INITIAL ENTRY</u>	<u>WITHDRAWN</u>	
Guam (cont.)	Talos	Jul 65	Jun 69	
	Astor	Nov 65	Mar 74	
	ASROC	Jan 66		
	Terrier	Mar 66	Jan 67	
	155mm Howitzer	May 66		
	Polaris	Jul 66	Aug 66	
	Nike Hercules	Jun 68	Jun 69	
Hawaii	Bomb	Jul 54	Jun 69	
	Depth Bomb	Dec 55-Feb 56		
	Regulus	Mar-May 56	Jan-Mar 65	
	Boar	Sep-Nov 56	Apr-Jun 63	
	Honest John	Jun-Aug 57	Jun 75	
	8-inch Howitzer	Oct-Dec 58	Jun 72	
	ADM	Jan-Mar 59	Jun 75	
	Hotpoint	Jan-Mar 60	Oct-Dec 64	
	Nike Hercules	Jul-Sep 60	Jun 73	
	Little John	Apr-Jun 62	Oct 68	
	Talos	Oct-Dec 63	Aug 68	
	ASROC	Oct-Dec 63		
	Astor	Apr-Jun 64		
	Davy Crockett	Apr-Jun 64	Jun 69	
	155mm Howitzer	Oct-Dec 64	Jun 75	
	Terrier	Mar 65	Sep 66	
	Subroc	Aug 65		
	Falcon	May 66	Jun 67	
	[REDACTED]	Nonnuclear Bomb	Feb 56	Jun 66
	[REDACTED]	Bomb	Sep 56	Sep-Dec 59
[REDACTED]	Nonnuclear Bomb	Dec 54-Feb 55	Jun 65	
Johnston Is.	Thor	Jul-Sep 64	Jun 71	
[REDACTED]	Nike Zeus	Jul-Dec 63	Jul 66	
Midway	Depth Bomb	Jul 61	Jun 65	
[REDACTED]	Nonnuclear Bomb	Jul-Sep 53	Jun 65	
	Bomb	May 54	Sep 63	
	Depth Bomb	Sep-Nov 57	Mar 61	

B-3

~~TOP SECRET~~

FORMERLY RESTRICTED DATA

Unauthorized disclosure subject to Administrative and Civil Sanctions. Handle as Restricted Data in Foreign Dissemination Section 144.b., Atomic Energy Act, 1954.

COUNTRY

WEAPON

INITIAL ENTRY

WITHDRAWN

[REDACTED]

Nonnuclear Bomb	Jul 54	Jun 67
Bomb	Dec 54-Feb 55	Jun 72
280mm gun	Dec 55-Feb 56	Jun 60
8-inch Howitzer	Jun-Aug 57	Jun 72
Matador	Sep-Nov 57	Dec 60
Depth Bomb	Dec 57-Feb 58	Jun 72
ADM	Feb-May 58	Jun 72
Honest John	Dec 57-Feb 58	Jun 72
Nike Hercules	Jan-Mar 59	Jun 72
Corporal	Mar 60	Jun 65
Hotpoint	Jul-Sep 60	Dec 60
Lacrosse	Oct-Dec 60	Dec 63
Mace	Apr-Jun 61	Jun 70
Falcon	Jul-Sep 61	Jun 72
Little John	Apr-Jun 62	Dec 68
Asroc	Jan-Mar 63	Apr 66
Terrier	Jan-Mar 64	Jun 64
Davy Crockett	Apr-Jun 64	Dec 68
155mm Howitzer	May 66	Jun 72

Philippines

[REDACTED]

Bomb	Dec 57	Jun 77
Depth Bomb	Dec 57	Jun 74
Hotpoint	Jan-Mar 61	Sep 61
Falcon	Apr-Jun 62	Jun 71
Terrier	Feb 65	Jun 67
Asroc	Mar 65	Jun 74
Talos	Jul 65	Jun 74

Puerto Rico

Bomb	Jun 56	Jun 72
Depth Bomb	Apr-Jun 61	Jun 75

[REDACTED]

Honest John	Jan 58	
280mm gun	Jan 58	Jun 62
8-inch Howitzer	Jan 58	
ADM	Jan 58	
Bomb	Mar 58	
Lacrosse	Jul-Sep 60	Dec 63
Nike Hercules	Jan-Mar 61	
Davy Crockett	Jul-Sep 62	Jun 68
Sergeant	Jul-Sep 63	
155mm Howitzer	Oct-Dec 64	

<u>COUNTRY</u>	<u>WEAPON</u>	<u>INITIAL ENTRY</u>	<u>WITHDRAWN</u>
[REDACTED]	Bomb	Mar 58	Jun 65
[REDACTED]	Depth Bomb	Oct-Dec 59	Jul 76
[REDACTED]	Falcon	Apr-Jun 62	Jun 64
[REDACTED]	Asroc	Aug 65	Nov 65
[REDACTED]	Talos	Oct 68	Nov 68
[REDACTED]	Matador	Jan 58	Jun 62
[REDACTED]	Bomb	Jan-Mar 60	Jul 74

B-5

CHRONOLOGY

DEPLOYMENTS BY COUNTRY (U)

NATO EUROPE

<u>COUNTRY</u>	<u>WEAPON</u>	<u>INITIAL ENTRY</u>	<u>WITHDRAWN</u>
[REDACTED]	Bomb	Nov 63	
[REDACTED]	Nonnuclear Bomb	Aug 58	Jan-Mar 60
[REDACTED]	Bomb	Oct 60	
	Honest John	Dec 61	
	8-inch Howitzer	Apr-Jun 62	
	Nike Hercules	Oct-Dec 63	
[REDACTED]	Bomb	Apr 57	
	Corporal	Aug 56	Sep 64
	Honest John	Aug 56	Jun 76
	ADM	Jan-Mar 59	
	Jupiter	Jun 60	Jun 63
	Nike Hercules	Oct-Dec 60	
	8-inch Howitzer	Jan-Mar 64	
	Sergeant	Jan-Mar 64	Jun 76
	Lance	Jan-Feb 76	
	Depth Bomb	Jan-Mar 72	
[REDACTED]	Bomb	Apr 60	
	Honest John	Jun 61	
	8-inch Howitzer	Oct-Dec 62	
[REDACTED]	Bomb	Feb 59	
	Honest John	May 59	
	Jupiter	Oct 61	Jun 63
	8-inch Howitzer	Jun 65	
United Kingdom	Bomb	Sep-Nov 54	
	THOR (Strat)	Oct-Dec 58	Sep 63
	Depth Bomb	Jan 68	
West Germany	Bomb	Mar-May 55	
	Matador	Apr 55	Sep 62
	280mm gun	Apr 55	Dec 60
	Honest John	May 55	

~~TOP SECRET~~

<u>COUNTRY</u>	<u>WEAPON</u>	<u>INITIAL ENTRY</u>	<u>WITHDRAWN</u>
West Germany (cont.)	Corporal	Jun-Aug 55	Mar 67
	8-inch Howitzer	Mar-May 56	
	ADM	Mar-May 57	
	Redstone	May-Sep 58	Jun 64
	Nike Hercules	Apr-Jun 59	
	Mace	Oct-Dec 59	Jun 69
	Lacrosse	Apr-Jun 60	Dec 63
	Falcon	Jul-Sep 61	Jun 70
	Davy Crockett	Oct-Dec 61	Aug 67
	Bullpup (ASM)	Jul-Sep 62	Sep 63
	Sergeant	Apr-Jun 63	
	Pershing	Apr-Jun 64	
	155mm Howitzer	Feb 65	
	Walleye	Jun 72	
Lance	Jan-Mar 74		

B-7

~~FORMERLY RESTRICTED DATA~~

~~TOP SECRET~~

~~Unauthorized disclosure subject to
Administrative and Criminal Sanctions. Handle
as Restricted Data in Foreign Dissemination
Section 144.2., Atomic Energy Act, 1954.~~