

Strategic Arms Reduction Treaty
Aggregate Memorandum of Understanding Exchange
(As of July 1, 2009)

Excerpts only: Russia and the United States

Available at the Federation of American Scientists

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SUBJECT: NOTIFICATION OF UPDATED DATA IN THE MEMORANDUM OF UNDERSTANDING, AFTER THE EXPIRATION OF EACH SIX-MONTH PERIOD

NOTE: FOR THE PURPOSES OF THIS MEMORANDUM, THE WORD "DASH" IS USED TO DENOTE THAT THE ENTRY IS NOT APPLICABLE IN SUCH CASE. THE WORD "BLANK" IS USED TO DENOTE THAT THIS DATA DOES NOT CURRENTLY EXIST, BUT WILL BE PROVIDED WHEN AVAILABLE.

I. NUMBERS OF WARHEADS AND THROW-WEIGHT VALUES ATTRIBUTED TO DEPLOYED ICBMS AND DEPLOYED SLBMS, AND NUMBERS OF WARHEADS ATTRIBUTED TO DEPLOYED HEAVY BOMBERS:

1. THE FOLLOWING ARE NUMBERS OF WARHEADS AND THROW-WEIGHT VALUES ATTRIBUTED TO DEPLOYED ICBMS AND DEPLOYED SLBMS OF EACH TYPE EXISTING AS OF THE DATE OF SIGNATURE OF THE TREATY OR SUBSEQUENTLY DEPLOYED. IN THIS CONNECTION, IN CASE OF A CHANGE IN THE INITIAL VALUE OF THROW-WEIGHT OR THE NUMBER OF WARHEADS, RESPECTIVELY, DATA SHALL BE INCLUDED IN THE "CHANGED VALUE" COLUMN:

	THROW-WEIGHT (KG)		NUMBER OF WARHEADS	
	INITIAL VALUE	CHANGED VALUE	INITIAL VALUE	CHANGED VALUE
(i) INTERCONTINENTAL BALLISTIC MISSILES				
SS-11	1200		1	
SS-13	600		1	
SS-25	1000	1200	1	
SS-17	2550		4	
SS-19	4350		6	
SS-18	8800		10	
SS-24	4050		10	
(ii) SUBMARINE-LAUNCHED BALLISTIC MISSILES				
SS-N-6	650		1	
SS-N-8	1100		1	
SS-N-17	450		1	
SS-N-18	1650		3	
SS-N-20	2550		10	
SS-N-23	2800		4	
RSM-56	1150*)		6	

*) DATA WILL BE CONFIRMED BY FLIGHT TEST RESULTS.

2. THE FOLLOWING ARE NUMBERS OF WARHEADS ATTRIBUTED TO DEPLOYED HEAVY BOMBERS:

	NUMBER OF WARHEADS
HEAVY BOMBER TYPE AND VARIANT OF A TYPE EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	
UP TO A TOTAL OF 180 SUCH HEAVY BOMBERS	
BLACKJACK	8
BEAR H	8
IN EXCESS OF 180 SUCH HEAVY BOMBERS	
NONE	BLANK
HEAVY BOMBER TYPE AND VARIANT OF A TYPE EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	
NONE	BLANK

II. AGGREGATE NUMBERS

FOR EACH PARTY, THE DATA ON AGGREGATE NUMBERS OF STRATEGIC OFFENSIVE ARMS ARE AS FOLLOWS:

	RUSSIA			
DEPLOYED ICBMS AND THEIR ASSOCIATED LAUNCHERS, DEPLOYED SLBMS AND THEIR ASSOCIATED LAUNCHERS, AND DEPLOYED HEAVY BOMBERS				809
WARHEADS ATTRIBUTED TO DEPLOYED ICBMS, DEPLOYED SLBMS, AND DEPLOYED HEAVY BOMBERS				3897
WARHEADS ATTRIBUTED TO DEPLOYED ICBMS AND DEPLOYED SLBMS				3289
THROW-WEIGHT OF DEPLOYED ICBMS AND DEPLOYED SLBMS (MT)				2297.0
(i) ICBMS AND ICBM LAUNCHERS				
		ICBM TYPE		
	SS-25	RS-12M VARIANT 2 FOR SILO LAUNCHER	RS-12M VARIANT 2 FOR ROAD- MOBILE LAUNCHER	SS-19
DEPLOYED ICBMS AND THEIR ASSOCIATED LAUNCHERS	176	50	15	120
DEPLOYED HEAVY ICBMS AND THEIR ASSOCIATED LAUNCHERS	DASH	DASH	DASH	DASH
WARHEADS ATTRIBUTED TO DEPLOYED ICBMS	176	50	15	720
WARHEADS ATTRIBUTED TO DEPLOYED ICBMS ON MOBILE LAUNCHERS OF ICBMS	176	DASH	15	DASH
WARHEADS ATTRIBUTED TO DEPLOYED HEAVY ICBMS	DASH	DASH	DASH	DASH
THROW-WEIGHT OF DEPLOYED ICBMS (MT)	211.20	60.00	18.00	522.00

	ICBM TYPE			TOTAL
	SS-18	SS-24 FOR SILO LAUNCHER	SS-24 FOR RAIL- MOBILE LAUNCHER	
DEPLOYED ICBMS AND THEIR ASSOCIATED LAUNCHERS	104	0	0	465
DEPLOYED HEAVY ICBMS AND THEIR ASSOCIATED LAUNCHERS	104	DASH	DASH	104
WARHEADS ATTRIBUTED TO DEPLOYED ICBMS	1040	0	0	2001
WARHEADS ATTRIBUTED TO DEPLOYED ICBMS ON MOBILE LAUNCHERS OF ICBMS	DASH	DASH	0	191
WARHEADS ATTRIBUTED TO DEPLOYED HEAVY ICBMS	1040	DASH	DASH	1040
THROW-WEIGHT OF DEPLOYED ICBMS (MT)	915.20	0	0	1726.40

(ii) SLBMS AND SLBM LAUNCHERS

	SLBM TYPE				TOTAL
	SS-N-18	SS-N-20	SS-N-23	RSM-56	
DEPLOYED SLBMS AND THEIR ASSOCIATED LAUNCHERS	96	40	96	36	268
WARHEADS ATTRIBUTED TO DEPLOYED SLBMS	288	400	384	216	1288
THROW-WEIGHT OF DEPLOYED SLBMS (MT)	158.40	102.00	268.80	41.40	570.60

(iii) HEAVY BOMBERS

	BOMBER TYPE		TOTAL
	BLACKJACK	BEAR	
DEPLOYED HEAVY BOMBERS	13	63	76
HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	13	63	76
HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	DASH	0	0
WARHEADS ATTRIBUTED TO DEPLOYED HEAVY BOMBERS	104	504	608
WARHEADS ATTRIBUTED TO DEPLOYED HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	104	504	608
WARHEADS ATTRIBUTED TO DEPLOYED HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	DASH	0	0

III. AGGREGATE NUMBERS OF DEPLOYED ICBMS OR SLBMS TO WHICH A
REDUCED NUMBER OF WARHEADS IS ATTRIBUTED

FOR EACH PARTY, THE DATA ON ICBM BASES OR SUBMARINE BASES AND
ON AGGREGATE NUMBERS OF ICBMS OR SLBMS OF EXISTING TYPES DEPLOYED AT
THOSE BASES, ON WHICH THE NUMBER OF WARHEADS ATTRIBUTED IS REDUCED
PURSUANT TO PARAGRAPH 5 OF ARTICLE III OF THE TREATY, ARE AS FOLLOWS:

	FIRST AND SECOND TYPES OF ICBM OR SLBM	
	A	B
DEPLOYED ICBMS OR SLBMS ON WHICH THE NUMBER OF WARHEADS IS REDUCED	BLANK	BLANK
WARHEADS ATTRIBUTED TO EACH DEPLOYED ICBM OR SLBM AFTER REDUCTION IN THE NUMBER OF WARHEADS ON IT	BLANK	BLANK
NUMBER OF WARHEADS BY WHICH THE ORIGINAL ATTRIBUTION FOR EACH ICBM OR SLBM WAS REDUCED	BLANK	BLANK
AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED ICBMS OR SLBMS OF THAT TYPE	BLANK	BLANK
DEPLOYED SLBMS OF THE TYPE SS-N-18		96
MULTIPLICATION FACTOR SPECIFIED IN SUBPARAGRAPH (a)(ii) OF PARAGRAPH 5 OF ARTICLE III OF THE TREATY		4
AGGREGATE NUMBER OF WARHEADS COUNTED TOWARD THE AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED ICBMS AND SLBMS		384
AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED ICBMS AND SLBMS, EXCLUDING SS-N-18 SLBMS		BLANK
AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED ICBMS AND SLBMS, INCLUDING SS-N-18 SLBMS		384

ICBM BASES AT WHICH THE NUMBER OF WARHEADS ON DEPLOYED ICBMS IS REDUCED

NAME/LOCATION	ICBM TYPE ON WHICH THE NUMBER OF WARHEADS IS REDUCED
BLANK	BLANK

DEPLOYED ICBMS ON WHICH THE NUMBER OF WARHEADS IS REDUCED	BLANK
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WARHEADS ATTRIBUTED TO EACH DEPLOYED ICBM AFTER REDUCTION IN THE NUMBER OF WARHEADS ON IT	BLANK
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NUMBER OF WARHEADS BY WHICH THE ORIGINAL ATTRIBUTION OF WARHEADS FOR EACH ICBM WAS REDUCED	BLANK
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AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED ICBMS OF THAT TYPE	BLANK
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SLBM BASES AT WHICH THE NUMBER OF WARHEADS ON DEPLOYED SLBMS IS REDUCED

NAME/LOCATION	SLBM TYPE ON WHICH THE NUMBER OF WARHEADS IS REDUCED
BLANK	BLANK

DEPLOYED SLBMS ON WHICH THE NUMBER OF WARHEADS IS REDUCED	BLANK
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WARHEADS ATTRIBUTED TO EACH DEPLOYED SLBM AFTER REDUCTION IN THE NUMBER OF WARHEADS ON IT	BLANK
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NUMBER OF WARHEADS BY WHICH THE ORIGINAL ATTRIBUTION OF WARHEADS FOR EACH SLBM WAS REDUCED	BLANK
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AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED SLBMS OF THAT TYPE	BLANK
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IV. ADDITIONAL AGGREGATE NUMBERS

FOR EACH PARTY, ADDITIONAL AGGREGATE NUMBERS RELATED TO THE LIMITATIONS PROVIDED FOR IN THE TREATY ARE AS FOLLOWS:

	RUSSIA
NON-DEPLOYED ICBMS FOR MOBILE LAUNCHERS OF ICBMS	59 [1]
NON-DEPLOYED ICBMS FOR RAIL-MOBILE LAUNCHERS OF ICBMS	0
ICBMS AND SLBMS AT TEST RANGES	9
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS	83 [2]
NON-DEPLOYED RAIL-MOBILE LAUNCHERS OF ICBMS	0
TEST LAUNCHERS	26 [3]
MOBILE TEST LAUNCHERS	20 [3]
FIXED TEST LAUNCHERS	6
TRAINING LAUNCHERS	5
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS AT TRAINING FACILITIES	9
TRANSPORTER-LOADERS FOR ICBMS FOR ROAD-MOBILE LAUNCHERS OF ICBMS	BLANK
STORAGE FACILITIES FOR ICBMS OR SLBMS AND REPAIR FACILITIES FOR ICBMS OR SLBMS	9
SPACE LAUNCH FACILITIES	3
LAUNCHERS, AT SPACE LAUNCH FACILITIES, THAT HAVE CONTAINED OR LAUNCHED ICBMS OR SLBMS	6 [4]

ICBMS AND SLBMS AT SPACE LAUNCH FACILITIES	2
FORMER HEAVY BOMBERS	DASH
HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS	DASH
TRAINING HEAVY BOMBERS	BLANK
HEAVY BOMBERS AND FORMER HEAVY BOMBERS CONVERTED FOR USE AS GROUND TRAINERS	BLANK
TEST HEAVY BOMBERS	12
STATIC DISPLAYS:	
ICBM LAUNCHERS	6
ICBMS AND SLBMS	1
LAUNCH CANISTERS	3
HEAVY BOMBERS AND FORMER HEAVY BOMBERS	3

FOOTNOTES:

- [1] OF THESE, 3 (THREE) NON-DEPLOYED ICBMS ARE RS-12M, VARIANT 2 ICBMS FOR SILO LAUNCHERS.
- [2] OF THESE, 2 (TWO) NON-DEPLOYED SS-25 MOBILE LAUNCHERS ARE LOCATED AT THE SVOBODNYI SPACE LAUNCH FACILITY, AND 1 (ONE) NON-DEPLOYED SS-25 MOBILE LAUNCHER IS LOCATED AT THE PLESETSK SPACE LAUNCH FACILITY.
- [3] OF THESE, 1 (ONE) ROAD-MOBILE TEST LAUNCHER FOR THE PROTOTYPE RS-24 ICBM IS LOCATED AT THE TEST RANGE PLESETSK.
- [4] OF THESE, 1 (ONE) IS A SOFT-SITE LAUNCHER FOR LAUNCHING THE "ROKOT" SPACE LAUNCH VEHICLE, AND 1 (ONE) IS A SOFT-SITE LAUNCHER FOR THE "START" SPACE LAUNCH VEHICLE.

ANNEXES TO THE MEMORANDUM OF UNDERSTANDING

ANNEX A	ICBMS AND ICBM LAUNCHERS
ANNEX B	SLBMS AND SLBM LAUNCHERS
ANNEX C	HEAVY BOMBERS AND FORMER HEAVY BOMBERS
ANNEX D	SPACE LAUNCH FACILITIES
ANNEX E	ELIMINATED FACILITIES
ANNEX F	ICBM AND SLBM TECHNICAL DATA
ANNEX G	HEAVY BOMBER TECHNICAL DATA
ANNEX H	LONG-RANGE NUCLEAR ALCM TECHNICAL DATA
ANNEX I	OTHER DATA REQUIRED BY THE TREATY

ANNEX A. ICBMS AND ICBM LAUNCHERS

FOR EACH PARTY, THE NUMBERS OF DEPLOYED ICBMS AND THEIR ASSOCIATED LAUNCHERS, NON-DEPLOYED ICBMS, NON-DEPLOYED LAUNCHERS OF ICBMS, FIXED STRUCTURES FOR MOBILE LAUNCHERS OF ICBMS, AND SUPPORT EQUIPMENT, AS WELL AS DATA ON RELATED FACILITIES, ARE AS FOLLOWS:

	ICBM TYPE				
	SS-13	SS-25	RS-12M VARIANT 2 FOR SILO LAUNCHER	RS-12M VARIANT 2 FOR ROAD- MOBILE LAUNCHER	SS-17
DEPLOYED ICBMS AND THEIR ASSOCIATED LAUNCHERS	0	176	50	15	0
DEPLOYED ICBMS	0	174	49	15	0
DEPLOYED LAUNCHERS OF ICBMS	0	176	50	15	0
NON-DEPLOYED ICBMS FOR MOBILE LAUNCHERS OF ICBMS	DASH	56	3	0	DASH
NON-DEPLOYED ICBMS AT TEST RANGES	0	9	0	0	0
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS	DASH	83	DASH	0	DASH
TEST LAUNCHERS	DASH	18	3	1	0
TRAINING LAUNCHERS	0	BLANK	0	BLANK	0
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS AT TRAINING FACILITIES	DASH	9	DASH	0	DASH
TRANSPORTER-LOADERS FOR ICBMS FOR ROAD-MOBILE LAUNCHERS OF ICBMS	DASH	BLANK	DASH	BLANK	DASH
ICBM LAUNCHER STATIC DISPLAYS	0	1	0	0	1
ICBM STATIC DISPLAYS	0	0	0	BLANK	0
LAUNCH CANISTER STATIC DISPLAYS	DASH	0	BLANK	0	0

	ICBM TYPE				TOTAL
	SS-19	SS-18	SS-24 FOR SILO LAUNCHER	SS-24 FOR RAIL- MOBILE LAUNCHER	
DEPLOYED ICBMS AND THEIR ASSOCIATED LAUNCHERS	120	104	0	0	465
DEPLOYED ICBMS	70	59	0	0	367
DEPLOYED LAUNCHERS OF ICBMS	120	104	0	0	465
NON-DEPLOYED ICBMS FOR MOBILE LAUNCHERS OF ICBMS	DASH	DASH	0	0	59
NON-DEPLOYED ICBMS AT TEST RANGES	0	0	0	0	9
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS	DASH	DASH	DASH	0	83 [1]
TEST LAUNCHERS	0	0	1	0	24 [2]
TRAINING LAUNCHERS	3	2	BLANK	BLANK	5
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS AT TRAINING FACILITIES	DASH	DASH	DASH	0	9
TRANSPORTER-LOADERS FOR ICBMS FOR ROAD-MOBILE LAUNCHERS OF ICBMS	DASH	DASH	DASH	DASH	BLANK
ICBM LAUNCHER STATIC DISPLAYS	0	0	0	4	6
ICBM STATIC DISPLAYS	0	0	0	0	0
LAUNCH CANISTER STATIC DISPLAYS	0	0	0	3	3
TOTAL NUMBER					
STORAGE FACILITIES FOR ICBMS AND REPAIR FACILITIES FOR ICBMS	5				

ICBM BASE FOR SILO LAUNCHERS OF ICBMS:

DOMBAROVSKIY

	ICBM TYPE
	SS-18
DEPLOYED ICBMS	31
DEPLOYED SILO LAUNCHERS OF ICBMS	52

LAUNCHER GROUP:

DOMBAROVSKIY-1

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS

NONE

SILO LAUNCHERS

ICBM TYPE

1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18
7	SS-18
8	SS-18
9	SS-18
10	SS-18

LAUNCHER GROUP:

DOMBAROVSKIY-2

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS

NONE

SILO LAUNCHERS

ICBM TYPE

1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

LAUNCHER GROUP:

DOMBAROVSKIY-3

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS

NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

LAUNCHER GROUP:

DOMBAROVSKIY-4

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS

NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

LAUNCHER GROUP:

DOMBAROVSKIY-5

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS

NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

LAUNCHER GROUP:

DOMBAROVSKIY-7

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS

NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

LAUNCHER GROUP:

DOMBAROVSKIY-8

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS

NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

LAUNCHER GROUP:

DOMBAROVSKIY-10

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS

NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

MAINTENANCE FACILITY:
DOMBAROVSKIY

	ICBM TYPE
	SS-18
NON-DEPLOYED ICBMS	2
TRAINING MODELS OF MISSILES	0
ICBM EMPLACEMENT EQUIPMENT	3
SILO TRAINING LAUNCHERS	1

ICBM BASE FOR SILO LAUNCHERS OF ICBMS:

UZHUR

	ICBM TYPE
	SS-18
DEPLOYED ICBMS	28
DEPLOYED SILO LAUNCHERS OF ICBMS	52

LAUNCHER GROUP:
UZHUR-1

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18
7	SS-18
8	SS-18
9	SS-18
10	SS-18

LAUNCHER GROUP:
UZHUR-2

SILOS USED AS LAUNCH CONTROL CENTERS
1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

LAUNCHER GROUP:
UZHUR-5

SILOS USED AS LAUNCH CONTROL CENTERS
1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

LAUNCHER GROUP:
UZHUR-6

SILOS USED AS LAUNCH CONTROL CENTERS
1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

LAUNCHER GROUP:
UZHUR-7

SILOS USED AS LAUNCH CONTROL CENTERS
1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

LAUNCHER GROUP:
UZHUR-8

SILOS USED AS LAUNCH CONTROL CENTERS
1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

LAUNCHER GROUP:
UZHUR-9

SILOS USED AS LAUNCH CONTROL CENTERS
1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

LAUNCHER GROUP:
UZHUR-10

SILOS USED AS LAUNCH CONTROL CENTERS
1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-18
2	SS-18
3	SS-18
4	SS-18
5	SS-18
6	SS-18

MAINTENANCE FACILITY:
UZHUR

ICBM TYPE
SS-18

NON-DEPLOYED ICBMS	3
TRAINING MODELS OF MISSILES	1
ICBM EMPLACEMENT EQUIPMENT	2
SILO TRAINING LAUNCHERS	1

ICBM BASE FOR SILO LAUNCHERS OF ICBMS:

KOZEL'SK

	ICBM TYPE	
	SS-19	SS-18
DEPLOYED ICBMS	29	0
DEPLOYED SILO LAUNCHERS OF ICBMS	50	0

LAUNCHER GROUP:
KOZEL'SK-1

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-19
2	SS-19
3	SS-19
4	SS-19
5	SS-19
6	SS-19
7	SS-19
8	SS-19
9	SS-19
10	SS-19

LAUNCHER GROUP:
KOZEL'SK-2

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-19
2	SS-19
3	SS-19
4	SS-19
5	SS-19
6	SS-19
7	SS-19
8	SS-19
9	SS-19
10	SS-19

LAUNCHER GROUP:
KOZEL'SK-3

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-19
2	SS-19
3	SS-19
4	SS-19
5	SS-19
6	SS-19
7	SS-19
8	SS-19
9	SS-19
10	SS-19

LAUNCHER GROUP:
KOZEL'SK-4

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-19
2	SS-19
3	SS-19
4	SS-19
5	SS-19
6	SS-19
7	SS-19
8	SS-19
9	SS-19
10	SS-19

LAUNCHER GROUP:
KOZEL'SK-5

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-19
2	SS-19
3	SS-19
4	SS-19
5	SS-19
6	SS-19
7	SS-19
8	SS-19
9	SS-19
10	SS-19

MAINTENANCE FACILITY:
KOZEL'SK

	ICBM TYPE	
	SS-19	SS-18
NON-DEPLOYED ICBMS	4	0
TRAINING MODELS OF MISSILES	1	0
ICBM EMPLACEMENT EQUIPMENT	2	1
SILO TRAINING LAUNCHERS	1	0

ICBM BASE FOR SILO LAUNCHERS OF ICBMS:
TATISHCHEVO

	ICBM TYPE			
	SS-19	SS-18	SS-24	RS-12M VARIANT 2 FOR SILO LAUNCHER
DEPLOYED ICBMS	41	0	0	49
DEPLOYED SILO LAUNCHERS OF ICBMS	70	0	0	50

LAUNCHER GROUP:
TATISHCHEVO-1

SILOS USED AS LAUNCH CONTROL CENTERS
1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-19
2	SS-19
3	SS-19
4	SS-19
5	SS-19
6	SS-19
7	SS-19
8	SS-19
9	SS-19
10	SS-19

LAUNCHER GROUP:
TATISHCHEVO-2

SILOS USED AS LAUNCH CONTROL CENTERS
1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-19
2	SS-19
3	SS-19
4	SS-19
5	SS-19
6	SS-19
7	SS-19
8	SS-19
9	SS-19
10	SS-19

LAUNCHER GROUP:
TATISHCHEVO-3

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHER	ICBM TYPE
1	RS-12M, VARIANT 2
2	RS-12M, VARIANT 2
3	RS-12M, VARIANT 2
4	RS-12M, VARIANT 2
5	RS-12M, VARIANT 2
6	RS-12M, VARIANT 2
7	RS-12M, VARIANT 2
8	RS-12M, VARIANT 2
9	RS-12M, VARIANT 2
10	RS-12M, VARIANT 2

LAUNCHER GROUP:
TATISHCHEVO-4

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	RS-12M, VARIANT 2
2	RS-12M, VARIANT 2
3	RS-12M, VARIANT 2
4	RS-12M, VARIANT 2
5	RS-12M, VARIANT 2
6	RS-12M, VARIANT 2
7	RS-12M, VARIANT 2
8	RS-12M, VARIANT 2
9	RS-12M, VARIANT 2
10	RS-12M, VARIANT 2

LAUNCHER GROUP:
TATISHCHEVO-5

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	RS-12M, VARIANT 2
2	RS-12M, VARIANT 2
3	RS-12M, VARIANT 2
4	RS-12M, VARIANT 2
5	RS-12M, VARIANT 2
6	RS-12M, VARIANT 2
7	RS-12M, VARIANT 2
8	RS-12M, VARIANT 2
9	RS-12M, VARIANT 2
10	RS-12M, VARIANT 2

LAUNCHER GROUP:
TATISHCHEVO-6

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	RS-12 M, VARIANT 2
2	RS-12 M, VARIANT 2
3	RS-12 M, VARIANT 2
4	RS-12 M, VARIANT 2
5	RS-12 M, VARIANT 2
6	RS-12 M, VARIANT 2
7	RS-12 M, VARIANT 2
8	RS-12 M, VARIANT 2
9	RS-12 M, VARIANT 2
10	RS-12 M, VARIANT 2

LAUNCHER GROUP:
TATISHCHEVO-7

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-19
2	SS-19
3	SS-19
4	SS-19
5	SS-19
6	SS-19
7	SS-19
8	SS-19
9	SS-19
10	SS-19

LAUNCHER GROUP:
TATISHCHEVO-8

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	RS-12 M, VARIANT 2
2	RS-12 M, VARIANT 2
3	RS-12 M, VARIANT 2
4	RS-12 M, VARIANT 2
5	RS-12 M, VARIANT 2
6	RS-12 M, VARIANT 2
7	RS-12 M, VARIANT 2
8	RS-12 M, VARIANT 2
9	RS-12 M, VARIANT 2
10	RS-12 M, VARIANT 2

LAUNCHER GROUP:
TATISHCHEVO-9

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-19
2	SS-19
3	SS-19
4	SS-19
5	SS-19
6	SS-19
7	SS-19
8	SS-19
9	SS-19
10	SS-19

LAUNCHER GROUP:
TATISHCHEVO-10

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS
NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-19
2	SS-19
3	SS-19
4	SS-19
5	SS-19
6	SS-19
7	SS-19
8	SS-19
9	SS-19
10	SS-19

LAUNCHER GROUP:

TATISHCHEVO-11

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS

NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-19
2	SS-19
3	SS-19
4	SS-19
5	SS-19
6	SS-19
7	SS-19
8	SS-19
9	SS-19
10	SS-19

LAUNCHER GROUP:

TATISHCHEVO-12

SILOS USED AS LAUNCH CONTROL CENTERS

1

OTHER LAUNCH CONTROL CENTERS

NONE

SILO LAUNCHERS	ICBM TYPE
1	SS-19
2	SS-19
3	SS-19
4	SS-19
5	SS-19
6	SS-19
7	SS-19
8	SS-19
9	SS-19
10	SS-19

MAINTENANCE FACILITY:
TATISHCHEVO

	ICBM TYPE			
	SS-19	SS-18	SS-24	RS-12M VARIANT 2 FOR SILO LAUNCHER
NON-DEPLOYED ICBMS	4	0	0	0
TRAINING MODELS OF MISSILES	1	0	0	0
ICBM EMPLACEMENT EQUIPMENT	2	1	2	2
SILO TRAINING LAUNCHERS	1	0	0	0

ICBM BASE FOR ROAD-MOBILE LAUNCHERS OF ICBMS:

TEYKOVO

	ICBM TYPE	
	SS-25	RS-12M VARIANT 2 FOR ROAD- MOBILE LAUNCHER
DEPLOYED ICBMS	3	15
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	3	15

DEPLOYMENT AREA: TEYKOVO

BOUNDARY COORDINATES:

SIZE: 110389 SQ.KM

RESTRICTED AREA: TEYKOVO-1

SIZE: 0.31 SQ.KM

DEPLOYED ICBMS	3	BLANK
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	3	BLANK
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9	BLANK

RESTRICTED AREA: TEYKOVO-2

SIZE: 0.27 SQ.KM

DEPLOYED ICBMS	0	BLANK
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	0	BLANK
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9	BLANK

RESTRICTED AREA: TEYKOVO-3

SIZE: 0.23 SQ.KM

ICBM TYPE

SS-25	RS-12M VARIANT 2 FOR ROAD- MOBILE LAUNCHER
-------	--

DEPLOYED ICBMS	0	9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	0	9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9	BLANK

RESTRICTED AREA: TEYKOVO-4

SIZE: 0.16 SQ.KM

DEPLOYED ICBMS	0	6
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	0	6
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9	BLANK

MAINTENANCE FACILITY:
TEYKOVO

NON-DEPLOYED ICBMS	0	0
NON-DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	0	0
TRAINING MODELS OF MISSILES	0	0
TRANSPORTER-LOADERS	BLANK	BLANK
ROAD-MOBILE TRAINING LAUNCHERS	BLANK	BLANK

ICBM BASE FOR ROAD-MOBILE LAUNCHERS OF ICBMS:

YOSHKAR-OLA

	ICBM TYPE SS-25
DEPLOYED ICBMS	27
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	27

DEPLOYMENT AREA: YOSHKAR-OLA

BOUNDARY COORDINATES:

SIZE: 120400 SQ.KM

RESTRICTED AREA: YOSHKAR-OLA-1

SIZE: 0.24 SQ.KM

DEPLOYED ICBMS	9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9

RESTRICTED AREA: YOSHKAR-OLA-2

SIZE: 0.27 SQ.KM

	ICBM TYPE SS-25
DEPLOYED ICBMS	9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9

RESTRICTED AREA: YOSHKAR-OLA-3

SIZE: 0.34 SQ.KM

DEPLOYED ICBMS	9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9

MAINTENANCE FACILITY:
YOSHKAR-OLA

	ICBM TYPE
	SS-25
NON-DEPLOYED ICBMS	0
NON-DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	0
TRAINING MODELS OF MISSILES	0
TRANSPORTER-LOADERS	BLANK
ROAD-MOBILE TRAINING LAUNCHERS	BLANK

ICBM BASE FOR ROAD-MOBILE LAUNCHERS OF ICBMS:

NIZHNIY TAGIL

	ICBM TYPE
	SS-25
DEPLOYED ICBMS	27
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	27

DEPLOYMENT AREA: NIZHNIY TAGIL

BOUNDARY COORDINATES:

SIZE: 88800 SQ.KM

RESTRICTED AREA: NIZHNIY TAGIL-1

SIZE: 0.27 SQ.KM

	ICBM TYPE
	SS-25
DEPLOYED ICBMS	9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9

RESTRICTED AREA: NIZHNIY TAGIL-2

SIZE: 0.32 SQ.KM

DEPLOYED ICBMS	9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9

RESTRICTED AREA: NIZHNIY TAGIL-4

SIZE: 0.37 SQ.KM

DEPLOYED ICBMS	0
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	0
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9

RESTRICTED AREA: NIZHNIY TAGIL-5

SIZE: 0.19 SQ.KM

DEPLOYED ICBMS	9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9

MAINTENANCE FACILITY:
NIZHNIY TAGIL

ICBM TYPE
SS-25

NON-DEPLOYED ICBMS	0
NON-DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	0
TRAINING MODELS OF MISSILES	0
TRANSPORTER-LOADERS	BLANK
ROAD-MOBILE TRAINING LAUNCHERS	BLANK

ICBM BASE FOR ROAD-MOBILE LAUNCHERS OF ICBMS: NOVOSIBIRSK		ICBM TYPE SS-25
DEPLOYED ICBMS		36
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS		36
DEPLOYMENT AREA:	NOVOSIBIRSK	
BOUNDARY COORDINATES:		
SIZE:	102428 SQ.KM	
RESTRICTED AREA:	NOVOSIBIRSK-1	
SIZE:	0.32 SQ.KM	
DEPLOYED ICBMS		9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS		9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS		9
RESTRICTED AREA:	NOVOSIBIRSK-2	
SIZE:	0.26 SQ.KM	
DEPLOYED ICBMS		9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS		9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS		9
RESTRICTED AREA:	NOVOSIBIRSK-3	
SIZE:	0.31 SQ.KM	
DEPLOYED ICBMS		9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS		9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS		9

RESTRICTED AREA: NOVOSIBIRSK-4

SIZE: 0.41 SQ.KM

DEPLOYED ICBMS	0
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	0
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9

RESTRICTED AREA: NOVOSIBIRSK-5

SIZE: 0.37 SQ.KM

DEPLOYED ICBMS	9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9

MAINTENANCE FACILITY:
NOVOSIBIRSK

	ICBM TYPE SS-25
NON-DEPLOYED ICBMS	0
NON-DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	0
TRAINING MODELS OF MISSILES	0
TRANSPORTER-LOADERS	BLANK
ROAD-MOBILE TRAINING LAUNCHERS	BLANK

ICBM BASE FOR ROAD-MOBILE LAUNCHERS OF ICBMS:
KANSK

ICBM TYPE
SS-25

DEPLOYED ICBMS 0

DEPLOYED ROAD-MOBILE
LAUNCHERS OF ICBMS 0

DEPLOYMENT AREA: KANSK

BOUNDARY COORDINATES:

SIZE: 111500 SQ.KM

RESTRICTED AREA: KANSK-5

SIZE: 0.13 SQ.KM

DEPLOYED ICBMS 0

DEPLOYED ROAD-MOBILE
LAUNCHERS OF ICBMS 0

FIXED STRUCTURES FOR
ROAD-MOBILE LAUNCHERS OF ICBMS 0

MAINTENANCE FACILITY:
KANSK

ICBM TYPE
SS-25

NON-DEPLOYED ICBMS 0

NON-DEPLOYED ROAD-MOBILE
LAUNCHERS OF ICBMS 0

TRAINING MODELS OF MISSILES 0

TRANSPORTER-LOADERS BLANK

ROAD-MOBILE TRAINING LAUNCHERS BLANK

ICBM BASE FOR ROAD-MOBILE LAUNCHERS OF ICBMS:

IRKUTSK

ICBM TYPE
SS-25

DEPLOYED ICBMS 27

DEPLOYED ROAD-MOBILE
LAUNCHERS OF ICBMS 29

DEPLOYMENT AREA:	IRKUTSK	
BOUNDARY COORDINATES:		
SIZE:	115800	SQ.KM
RESTRICTED AREA:	IRKUTSK-1	
SIZE:	0.17	SQ.KM
		ICBM TYPE
		SS-25
DEPLOYED ICBMS		9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS		9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS		9
RESTRICTED AREA:	IRKUTSK-2	
SIZE:	0.17	SQ.KM
DEPLOYED ICBMS		9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS		9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS		9
RESTRICTED AREA:	IRKUTSK-3	
SIZE:	0.17	SQ.KM
DEPLOYED ICBMS		9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS		9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS		9
RESTRICTED AREA:	IRKUTSK-4	
SIZE:	0.19	SQ.KM
DEPLOYED ICBMS		0
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS		2
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS		9

MAINTENANCE FACILITY:
IRKUTSK

	ICBM TYPE
	SS-25
NON-DEPLOYED ICBMS	0
NON-DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	0
TRAINING MODELS OF MISSILES	0
TRANSPORTER-LOADERS	BLANK
ROAD-MOBILE TRAINING LAUNCHERS	BLANK

ICBM BASE FOR ROAD-MOBILE LAUNCHERS OF ICBMS:
BARNAUL

	ICBM TYPE
	SS-25
DEPLOYED ICBMS	36
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	36

DEPLOYMENT AREA: BARNAUL

BOUNDARY COORDINATES:

SIZE: 98313 SQ.KM

RESTRICTED AREA: BARNAUL-1

SIZE: 0.41 SQ.KM

DEPLOYED ICBMS	9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9

RESTRICTED AREA: BARNAUL-2

SIZE: 0.19 SQ.KM

DEPLOYED ICBMS	9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9

ICBM BASE FOR ROAD-MOBILE LAUNCHERS OF ICBMS:
DROVYANAYA

ICBM TYPE
SS-25

DEPLOYED ICBMS 0

DEPLOYED ROAD-MOBILE
LAUNCHERS OF ICBMS 0

DEPLOYMENT AREA: DROVYANAYA

BOUNDARY COORDINATES:

SIZE: 80000 SQ.KM

RESTRICTED AREA: DROVYANAYA-1

SIZE: 0.30 SQ.KM

DEPLOYED ICBMS 0

DEPLOYED ROAD-MOBILE
LAUNCHERS OF ICBMS 0

FIXED STRUCTURES FOR
ROAD-MOBILE LAUNCHERS OF ICBMS 9

MAINTENANCE FACILITY:

DROVYANAYA

ICBM TYPE
SS-25

NON-DEPLOYED ICBMS

0

NON-DEPLOYED ROAD-MOBILE
LAUNCHERS OF ICBMS

0

TRAINING MODELS OF MISSILES

0

TRANSPORTER-LOADERS

BLANK

ROAD-MOBILE TRAINING LAUNCHERS

BLANK

ICBM BASE FOR ROAD-MOBILE LAUNCHERS OF ICBMS:

VYPOLZOVO

ICBM TYPE
SS-25

DEPLOYED ICBMS

18

DEPLOYED ROAD-MOBILE
LAUNCHERS OF ICBMS

18

DEPLOYMENT AREA:

VYPOLZOVO

BOUNDARY COORDINATES:

SIZE: 105370 SQ.KM

RESTRICTED AREA:

VYPOLZOVO-1

SIZE: 0.10 SQ.KM

ICBM TYPE
SS-25

DEPLOYED ICBMS

9

DEPLOYED ROAD-MOBILE
LAUNCHERS OF ICBMS

9

FIXED STRUCTURES FOR
ROAD-MOBILE LAUNCHERS OF ICBMS

9

RESTRICTED AREA: VYPOLZOVO-2

SIZE: 0.22 SQ.KM

DEPLOYED ICBMS	9
DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	9
FIXED STRUCTURES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	9

MAINTENANCE FACILITY:

VYPOLZOVO

ICBM TYPE
SS-25

NON-DEPLOYED ICBMS	0
NON-DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	0
TRAINING MODELS OF MISSILES	0
TRANSPORTER-LOADERS	BLANK
ROAD-MOBILE TRAINING LAUNCHERS	BLANK

ICBM BASE FOR RAIL-MOBILE LAUNCHERS OF ICBMS:
KOSTROMA

RAIL-GARRISON:

KOSTROMA

RAIL ENTRANCE/EXIT	1
PARKING SITES	0

ICBM TYPE
SS-24

DEPLOYED ICBMS	0
DEPLOYED RAIL-MOBILE LAUNCHERS OF ICBMS	0
TRAINS OF STANDARD CONFIGURATION	0
FIXED STRUCTURES FOR RAIL-MOBILE LAUNCHERS OF ICBMS	0

MAINTENANCE FACILITY:
KOSTROMA

	ICBM TYPE
	SS-24
NON-DEPLOYED ICBMS	0
NON-DEPLOYED RAIL-MOBILE LAUNCHERS OF ICBMS/ LAUNCH-ASSOCIATED RAILCARS	0/0
TRAINING MODELS OF MISSILES	0
RAIL-MOBILE TRAINING LAUNCHERS	BLANK

ICBM BASE FOR RAIL-MOBILE LAUNCHERS OF ICBMS:
KRASNOYARSK

RAIL-GARRISON:
KRASNOYARSK

RAIL ENTRANCE/EXIT	1
PARKING SITES	0

	ICBM TYPE
	SS-24
DEPLOYED ICBMS	0
DEPLOYED RAIL-MOBILE LAUNCHERS OF ICBMS	0
TRAINS OF STANDARD CONFIGURATION	0
FIXED STRUCTURES FOR RAIL-MOBILE LAUNCHERS OF ICBMS	0

MAINTENANCE FACILITY:
KRASNOYARSK

	ICBM TYPE
	SS-24
NON-DEPLOYED ICBMS	0
NON-DEPLOYED RAIL-MOBILE LAUNCHERS OF ICBMS/ LAUNCH-ASSOCIATED RAILCARS	0/0
TRAINING MODELS OF MISSILES	0
RAIL-MOBILE TRAINING LAUNCHERS	BLANK

ICBM LOADING FACILITIES:

BERSHET'		ICBM TYPE	
	SS-25	RS-12M VARIANT 2 FOR ROAD-MOBILE LAUNCHERS	SS-24 FOR RAIL-MOBILE LAUNCHERS
NON-DEPLOYED ICBMS	BLANK	BLANK	0
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS	BLANK	BLANK	0

PRODUCTION FACILITIES FOR ICBMS:

VOTKINSK MACHINE BUILDING PLANT, VOTKINSK		ICBM TYPE	
	SS-25	RS-12M VARIANT 2 FOR SILO LAUNCHERS	RS-12M VARIANT 2 FOR ROAD-MOBILE LAUNCHERS
NON-DEPLOYED ICBMS (RETURNED)	8	1	0

M.V. KHRUNICHEV MACHINE BUILDING PLANT, MOSCOW		ICBM TYPE
		SS-19
NON-DEPLOYED ICBMS (RETURNED)		0

PRODUCTION FACILITIES FOR MOBILE LAUNCHERS OF ICBMS:

BARRIKADY PLANT, VOLGOGRAD		ICBM TYPE
		SS-25
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS (RETURNED)		0
YURGA MACHINE BUILDING PLANT, YURGA		ICBM TYPE
		BLANK
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS (RETURNED)		BLANK

STORAGE FACILITIES FOR ICBMS:

SUROVATIKHA

ICBM TYPE

	SS-25	SS-19	SS-18	SS-24 FOR RAIL- MOBILE LAUNCHER
NON-DEPLOYED ICBMS	14	3	2	0
TRAINING MODELS OF MISSILES	0	0	0	0

PIBAN'SHUR

ICBM TYPE

	SS-19
NON-DEPLOYED ICBMS	2
TRAINING MODELS OF MISSILES	0

KHRIZOLITOVYY

ICBM TYPE

	SS-25	RS-12M VARIANT 2 FOR SILO LAUNCHER	SS-19	SS-18	SS-24 FOR RAIL- MOBILE LAUNCHER
NON-DEPLOYED ICBMS	24	2	31	13	0
TRAINING MODELS OF MISSILES	3	0	0	0	0

PLESETSK

ICBM TYPE

	SS-19
NON-DEPLOYED ICBMS	0
TRAINING MODELS OF MISSILES	0

ZNAMENKA

ICBM TYPE

	SS-19
NON-DEPLOYED ICBMS	10
TRAINING MODELS OF MISSILES	0

STORAGE FACILITIES FOR MOBILE LAUNCHERS OF ICBMS:

PIBAN'SHUR	ICBM TYPE
	SS-25
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS	43

REPAIR FACILITIES FOR ICBMS:

NONE

NAME/LOCATION	ICBM TYPE		
	A	B	C
BLANK			
NON-DEPLOYED ICBMS	BLANK	BLANK	BLANK
TRAINING MODELS OF MISSILES	BLANK	BLANK	BLANK

REPAIR FACILITIES FOR MOBILE LAUNCHERS OF ICBMS:

NONE

NAME/LOCATION	ICBM TYPE
BLANK	BLANK
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS	BLANK

TEST RANGES:

PLESETSK	ICBM TYPE			
	SS-25	RS-12M VARIANT 2 FOR SILO LAUNCHER	RS-12M VARIANT 2 FOR ROAD- MOBILE LAUNCHER	SS-24 FOR SILO LAUNCHER
NON-DEPLOYED ICBMS	0	0	0	0
TRAINING MODELS OF MISSILES	6	0	1	0
ICBM EMPLACEMENT EQUIPMENT	DASH	1	DASH	0
TRANSPORTER-LOADERS	BLANK	DASH	BLANK	DASH
MOBILE TEST LAUNCHERS	7	DASH	1	DASH

ROAD-MOBILE TEST
 LAUNCHER FOR RS-24
 ICBM PROTOTYPE: ONE

FIXED TEST LAUNCHERS:

SILO LAUNCHERS	ICBM TYPE
22-7	SS-24
M2-1	RS-12M, VARIANT 2
M2-2	RS-12M, VARIANT 2
M2-3	RS-12M, VARIANT 2
SOFT-SITE LAUNCHERS	NONE

KAPUSTIN YAR

	ICBM TYPE
	SS-25
NON-DEPLOYED ICBMS	0
TRAINING MODELS OF MISSILES	BLANK
ICBM EMPLACEMENT EQUIPMENT	DASH
TRANSPORTER-LOADERS	BLANK
MOBILE TEST LAUNCHERS	1
FIXED TEST LAUNCHERS	BLANK
SOFT-SITE LAUNCHERS	NONE

YUR'YA

	ICBM TYPE
	SS-25
NON-DEPLOYED ICBMS	9
TRAINING MODELS OF MISSILES	BLANK
ICBM REPLACEMENT EQUIPMENT	DASH
TRANSPORTER-LOADERS	BLANK
MOBILE TEST LAUNCHERS	10
FIXED TEST LAUNCHERS	BLANK
SOFT-SITE LAUNCHERS	NONE

TRAINING FACILITIES:

SERPUKHOV

ICBM TYPE
SS-25NON-DEPLOYED ROAD-MOBILE
LAUNCHERS OF ICBMS

8

NON-DEPLOYED RAIL-MOBILE
LAUNCHERS OF ICBMS

DASH

TRAINING MODELS OF MISSILES

3

TRANSPORTER-LOADERS

BLANK

MOBILE TRAINING LAUNCHERS

BLANK

SILO TRAINING LAUNCHERS

NONE

BALABANOVO

ICBM TYPE
SS-25 SS-19NON-DEPLOYED ROAD-MOBILE
LAUNCHERS OF ICBMS

1

DASH

NON-DEPLOYED RAIL-MOBILE
LAUNCHERS OF ICBMS

DASH

DASH

TRAINING MODELS OF MISSILES

1

1

TRANSPORTER-LOADERS

BLANK

DASH

MOBILE TRAINING LAUNCHERS

BLANK

DASH

SILO TRAINING LAUNCHERS

DASH

1

ROSTOV

ICBM TYPE
SS-19NON-DEPLOYED ROAD-MOBILE
LAUNCHERS OF ICBMS

DASH

NON-DEPLOYED RAIL-MOBILE
LAUNCHERS OF ICBMS

DASH

TRAINING MODELS OF MISSILES

2

TRANSPORTER-LOADERS

DASH

MOBILE TRAINING LAUNCHERS

DASH

SILO TRAINING LAUNCHERS

NONE

STATIC DISPLAYS:

VYPOLZOVO

	ICBM TYPE	NUMBER
ICBM LAUNCHER STATIC DISPLAYS	SS-17	1
ICBM STATIC DISPLAYS	BLANK	BLANK
ICBM LAUNCH CANISTER STATIC DISPLAYS	BLANK	BLANK

TOL'YATTI

	ICBM TYPE	NUMBER
ICBM LAUNCHER STATIC DISPLAYS	SS-24 FOR RAIL- MOBILE LAUNCHER	1
ICBM STATIC DISPLAYS	BLANK	BLANK
ICBM LAUNCH CANISTER STATIC DISPLAYS	BLANK	BLANK

ST PETERSBURG

	ICBM TYPE	NUMBER
ICBM LAUNCHER STATIC DISPLAYS	SS-24 FOR RAIL- MOBILE LAUNCHER	1
ICBM STATIC DISPLAYS	BLANK	BLANK
ICBM LAUNCH CANISTER STATIC DISPLAYS	SS-24 FOR RAIL- MOBILE LAUNCHER	1

ELEKTROGORSK

	ICBM TYPE	NUMBER
ICBM LAUNCHER STATIC DISPLAYS	SS-24 FOR RAIL- MOBILE LAUNCHER	1
ICBM STATIC DISPLAYS	BLANK	BLANK
ICBM LAUNCH CANISTER STATIC DISPLAYS	SS-24 FOR RAIL- MOBILE LAUNCHER	1

ST PETERSBURG		
	ICBM TYPE	NUMBER
ICBM LAUNCHER STATIC DISPLAYS	SS-25	1
ICBM STATIC DISPLAYS	BLANK	BLANK
ICBM LAUNCH CANISTER STATIC DISPLAYS	BLANK	BLANK

TEST RANGE PLESETSK		
	ICBM TYPE	NUMBER
ICBM LAUNCHER STATIC DISPLAYS	SS-24 FOR RAIL- MOBILE LAUNCHER	1
ICBM STATIC DISPLAYS	BLANK	BLANK
ICBM LAUNCH CANISTER STATIC DISPLAYS	SS-24 FOR RAIL- MOBILE LAUNCHER	1

CONVERSION OR ELIMINATION FACILITIES FOR ICBMS:

BERSHET'

	ICBM TYPE		
	SS-25	SS-24 FOR SILO LAUNCHER	SS-24 FOR RAIL- MOBILE LAUNCHER
NON-DEPLOYED ICBMS	0	0	0
NON-DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	DASH	DASH	DASH
NON-DEPLOYED RAIL-MOBILE LAUNCHERS OF ICBMS	DASH	DASH	DASH
TRAINING MODELS OF MISSILE	DASH	DASH	1
TRANSPORTER-LOADERS	BLANK	BLANK	BLANK

VOTKINSK	ICBM TYPE SS-25
NON-DEPLOYED ICBMS	1
NON-DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	DASH
NON-DEPLOYED RAIL-MOBILE LAUNCHERS OF ICBMS	DASH
TRAINING MODELS OF MISSILE	DASH
TRANSPORTER-LOADERS	BLANK

CONVERSION OR ELIMINATION FACILITIES FOR ROAD-MOBILE LAUNCHERS
OF ICBMS:

PIBAN'SHUR	ICBM TYPE SS-25
NON-DEPLOYED ICBMS	DASH
NON-DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	9
NON-DEPLOYED RAIL-MOBILE LAUNCHERS OF ICBMS	DASH
TRAINING MODELS OF MISSILE	DASH
TRANSPORTER-LOADERS	BLANK

CONVERSION OR ELIMINATION FACILITIES FOR MOBILE LAUNCHERS OF ICBMS:

BRYANSK	ICBM TYPE SS-24
NON-DEPLOYED ICBMS	DASH
NON-DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	DASH
NON-DEPLOYED RAIL-MOBILE LAUNCHERS OF ICBMS	0
TRAINING MODELS OF MISSILE	DASH
TRANSPORTER-LOADERS	BLANK

ANNEX A FOOTNOTES:

- [1] OF THESE, 2 (TWO) NON-DEPLOYED SS-25 MOBILE LAUNCHERS ARE LOCATED AT SVOBODNYI SPACE LAUNCH FACILITY, AND 1 (ONE) NON-DEPLOYED SS-25 MOBILE LAUNCHER IS LOCATED AT THE PLESETSK SPACE LAUNCH FACILITY.
- [2] OF THESE, 1 (ONE) ROAD-MOBILE TEST LAUNCHER FOR THE RS-24 ICBM PROTOTYPE IS LOCATED AT THE PLESETSK TEST RANGE.

ANNEX B. SLBMS AND SLBM LAUNCHERS

FOR EACH PARTY, THE NUMBERS OF DEPLOYED SLBMS AND THEIR ASSOCIATED LAUNCHERS, NON-DEPLOYED SLBMS, NON-DEPLOYED LAUNCHERS OF SLBMS, AS WELL AS DATA ON RELATED FACILITIES, ARE AS FOLLOWS:

B) RUSSIAN FEDERATION

	SLBM TYPE						TOTAL
	SS-N-6	SS-N-8	SS-N-18	SS-N-20	SS-N-23	RSM-56	
DEPLOYED SLBMS AND THEIR ASSOCIATED LAUNCHERS	DASH	DASH	96	40	96	36	268
DEPLOYED SLBMS	DASH	DASH	69	21	96	1	187
DEPLOYED LAUNCHERS OF SLBMS	DASH	DASH	96	40	96	36	268
TEST LAUNCHERS	0	1	0	1	0	0	2
SLBM STATIC DISPLAYS	1	0	0	0	0	0	1

STORAGE FACILITIES FOR SLBMS AND REPAIR FACILITIES FOR SLBMS: TOTAL NUMBER
4

SUBMARINE BASE:
NERPICH'YA

	SLBM TYPE	
	SS-N-20	RSM-56
DEPLOYED SLBMS	21	1
DEPLOYED LAUNCHERS OF SLBMS	40	20
NON-DEPLOYED SLBMS	0	0

BALLISTIC MISSILE SUBMARINES BASED AT THIS SUBMARINE BASE:

NUMBER OF SUBMARINES/AGGREGATE NUMBER OF LAUNCHERS BY SLBM TYPE

SUBMARINE TYPE:	SS-N-20	RSM-56
	TYPHOON	2/40
TYPHOON		1/20

NUMBER

STORAGE CRANES	0
MISSILE TENDERS	0

SUBMARINE BASE:
YAGEL'NAYA

	SLBM TYPE		
	SS-N-18	SS-N-23	RSM-56
DEPLOYED SLBMS	0	96	0
DEPLOYED LAUNCHERS OF SLBMS	16	96	16
NON-DEPLOYED SLBMS	0	0	0

BALLISTIC MISSILE SUBMARINES BASED AT THIS SUBMARINE BASE:

NUMBER OF SUBMARINES/AGGREGATE NUMBER OF LAUNCHERS
BY SLBM TYPE

	SS-N-18	SS-N-23	RSM-56
--	---------	---------	--------

SUBMARINE TYPE:

DELTA III	1/16		
DELTA IV		6/96	
KASATKA			1/16

NUMBER

STORAGE CRANES	0
MISSILE TENDERS	0

SUBMARINE BASE:
RYBACHIY

	SLBM TYPE
	SS-N-18
DEPLOYED SLBMS	69
DEPLOYED LAUNCHERS OF SLBMS	80
NON-DEPLOYED SLBMS	0

BALLISTIC MISSILE SUBMARINES BASED AT THIS SUBMARINE BASE:

NUMBER OF SUBMARINES/AGGREGATE NUMBER OF LAUNCHERS
BY SLBM TYPE

	SS-N-18
--	---------

SUBMARINE TYPE:

DELTA III	5/80
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NUMBER

STORAGE CRANES	0
MISSILE TENDERS	0

SUBMARINE BASE:
PAVLOVSKOYE

	SLBM TYPE
	SS-N-18
DEPLOYED SLBMS	0
DEPLOYED LAUNCHERS OF SLBMS	0
NON-DEPLOYED SLBMS	0

BALLISTIC MISSILE SUBMARINES BASED AT THIS SUBMARINE BASE:

NUMBER OF SUBMARINES/AGGREGATE NUMBER OF LAUNCHERS
BY SLBM TYPE

	SS-N-18
SUBMARINE TYPE:	
DELTA III	0/0

NUMBER

STORAGE CRANES	0
MISSILE TENDERS	0

SLBM LOADING FACILITIES:

OKOL'NAYA	SLBM TYPE
	BLANK
NON-DEPLOYED SLBMS	BLANK

NUMBER

STORAGE CRANES	0
MISSILE TENDERS	1

SEVERODVINSK	SLBM TYPE
	BLANK

NON-DEPLOYED SLBMS	BLANK
--------------------	-------

NUMBER

STORAGE CRANES	0
MISSILE TENDERS	0

PRODUCTION FACILITIES FOR SLBMS:

ZLATOUST MACHINE BUILDING PLANT
ZLATOUST

SLBM TYPE
BLANK

NON-DEPLOYED SLBMS
(RETURNED)

BLANK

KRASNOYARSK MACHINE BUILDING PLANT
KRASNOYARSK

SLBM TYPE
SS-N-23

NON-DEPLOYED SLBMS
(RETURNED)

1

VOTKINSK MACHINE BUILDING PLANT
VOTKINSK

SLBM TYPE
RSM-56

NON-DEPLOYED SLBMS
(RETURNED)

0

PRODUCTION FACILITIES FOR BALLISTIC MISSILE SUBMARINES:
NONE

NAME/LOCATION
BLANK

SLBM TYPE
BLANK

STORAGE FACILITIES FOR SLBMS:

OKOL'NAYA

SLBM TYPE

SS-N-23

NON-DEPLOYED SLBMS

0

NUMBER

STORAGE CRANES 0
MISSILE TENDERS 0

REVDA
 SLBM TYPE
 BLANK

NON-DEPLOYED SLBMS
 BLANK

NUMBER

STORAGE CRANES 0
 MISSILE TENDERS 0

NENOKSA

SLBM TYPE
 BLANK

NON-DEPLOYED SLBMS
 BLANK

NUMBER

STORAGE CRANES 0
 MISSILE TENDERS 0

REPAIR FACILITIES FOR SLBMS:

SEVERODVINSK
 SLBM TYPE
 BLANK

NON-DEPLOYED SLBMS
 BLANK

TEST RANGES:

NENOKSA
 SLBM TYPE
 BLANK

NON-DEPLOYED SLBMS
 BLANK

TEST LAUNCHERS:

SOFT-SITE LAUNCHERS
 SLBM TYPE
 1 SS-N-8
 2 SS-N-20

OTHER LAUNCHERS
 SLBM TYPE
 (DESIGNATOR) BLANK

NONE

TRAINING FACILITIES:

NONE

NAME/LOCATION	SLBM TYPE
BLANK	BLANK

SLBM STATIC DISPLAYS:

BOTIK MUSEUM
PEREYASLAVL'-ZALESSKIY

SLBM TYPE	NUMBER
SS-N-6	1

SLBM CONVERSION OR ELIMINATION FACILITIES:

PASHINO

SLBM TYPE
BLANK

NON-DEPLOYED SLBMS

BLANK

SLBM LAUNCHER CONVERSION OR ELIMINATION FACILITIES:

SEVER PRODUCTION COMBINE
SEVERODVINSK

SLBM TYPE
SS-N-20

DEPLOYED LAUNCHERS OF SLBMS

0

NERPA SHIP REPAIR PLANT
MURMANSK

SLBM TYPE
BLANK

DEPLOYED LAUNCHERS OF SLBMS

BLANK

ZVEZDA FAR EASTERN PLANT
BOL'SHOY KAMEN', PRIMORSKIY KRAY

SLBM TYPE
BLANK

DEPLOYED LAUNCHERS OF SLBMS

BLANK

KAMCHATKA MARITIME PLANT
VILYUCHINSK, KAMCHATSKAYA OBLAST

SLBM TYPE
BLANK

DEPLOYED LAUNCHERS OF SLBMS

BLANK

PRODUCTION COMBINE
NORTHERN MACHINE BUILDING
ENTERPRISE
SEVERODVINSK

SLBM TYPE
SS-N-20

DEPLOYED LAUNCHERS OF SLBMS 0

ANNEX B FOOTNOTES: NONE

ANNEX C. HEAVY BOMBERS AND FORMER HEAVY BOMBERS

FOR EACH PARTY, THE NUMBERS OF HEAVY BOMBERS AND FORMER HEAVY BOMBERS, AS WELL AS DATA ON RELATED FACILITIES, ARE AS FOLLOWS:

	BOMBER TYPE		FORMER HEAVY BOMBER TYPE	TOTAL
	BLACKJACK	BEAR	BISON	
DEPLOYED HEAVY BOMBERS	13	63	DASH	76
HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	13	63	DASH	76
HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	DASH	0	DASH	0
HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS	DASH	DASH	DASH	DASH
TEST HEAVY BOMBERS	7	5	DASH	12
TRAINING HEAVY BOMBERS	BLANK	BLANK	DASH	BLANK
FORMER HEAVY BOMBERS	DASH	DASH	DASH	DASH
HEAVY BOMBERS AND FORMER HEAVY BOMBERS CONVERTED FOR USE AS GROUND TRAINERS	BLANK	BLANK	BLANK	BLANK
HEAVY BOMBER AND FORMER HEAVY BOMBER STATIC DISPLAYS	BLANK	2	1	3

AIR BASES FOR HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

UKRAINKA

	BOMBER TYPE AND VARIANT OF A TYPE	
	BEAR H16	BEAR H6
DEPLOYED HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	15	25
HEAVY BOMBERS ATTRIBUTED WITH 8 LONG-RANGE NUCLEAR ALCMS	15	25
HEAVY BOMBERS IN EXCESS OF 180, ATTRIBUTED WITH THE NUMBER OF LONG-RANGE NUCLEAR ALCMS SPECIFIED FOR SUCH HEAVY BOMBERS IN SECTION I OF THIS MEMORANDUM	0	0
FORMER HEAVY BOMBERS	DASH	DASH

ENGEL'S

	BOMBER TYPE AND VARIANT OF A TYPE		
	BLACKJACK	BEAR H16	BEAR H6
DEPLOYED HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	13	13	5
HEAVY BOMBERS ATTRIBUTED WITH 8 LONG-RANGE NUCLEAR ALCMS	13	13	5
HEAVY BOMBERS IN EXCESS OF 180, ATTRIBUTED WITH THE NUMBER OF LONG-RANGE NUCLEAR ALCMS SPECIFIED FOR SUCH HEAVY BOMBERS IN SECTION I OF THIS MEMORANDUM	0	0	0
FORMER HEAVY BOMBERS	DASH	DASH	DASH

RYAZAN'

	BOMBER TYPE AND VARIANT OF A TYPE	
	BEAR H16	BEAR H6
DEPLOYED HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	3	2
HEAVY BOMBERS ATTRIBUTED WITH 8 LONG-RANGE NUCLEAR ALCMS	3	2
HEAVY BOMBERS IN EXCESS OF 180, ATTRIBUTED WITH THE NUMBER OF LONG-RANGE NUCLEAR ALCMS SPECIFIED FOR SUCH HEAVY BOMBERS IN SECTION I OF THIS MEMORANDUM	0	0
FORMER HEAVY BOMBERS	DASH	DASH
AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS :		

NONE

NAME/LOCATION
BLANK

BOMBER TYPE AND
VARIANT OF A TYPE

BLANK

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS :

NONE

NAME/LOCATION
BLANK

BOMBER TYPE AND
VARIANT OF A TYPE

A B C
BLANK BLANK BLANK

AIR BASE FOR FORMER HEAVY BOMBERS :

NONE

NAME/LOCATION
BLANK

BOMBER TYPE AND
VARIANT OF A TYPE

A B C
BLANK BLANK BLANK

PRODUCTION FACILITIES FOR HEAVY BOMBERS AND FORMER HEAVY BOMBERS:

KAZAN' AIRCRAFT PRODUCTION
COMBINE, KAZAN'

BOMBER TYPE AND
VARIANT OF A TYPE

BLACKJACK

DEPLOYED HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	0
DEPLOYED HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	0
HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS	0
TEST HEAVY BOMBERS	0
TRAINING HEAVY BOMBERS	0
FORMER HEAVY BOMBERS	0

STORAGE FACILITIES FOR HEAVY BOMBERS AND FORMER HEAVY BOMBERS:

NONE

NAME/LOCATION
BLANK

BOMBER TYPE AND
VARIANT OF A TYPE

A B C
BLANK BLANK BLANK

REPAIR FACILITIES FOR HEAVY BOMBERS AND FORMER HEAVY BOMBERS:

RYAZAN'

TYPES OF HEAVY BOMBERS AND FORMER
HEAVY BOMBERS NORMALLY REPAIRED AT
THIS FACILITY

BEAR

HEAVY BOMBER FLIGHT TEST CENTERS:

ZHUKOVSKIY

	BOMBER TYPE AND VARIANT OF A TYPE	
	BLACKJACK	BEAR
TEST HEAVY BOMBERS	7	5

TRAINING FACILITIES:
NONE

NAME/LOCATION	BOMBER TYPE AND VARIANT OF A TYPE		
BLANK	A	B	C
	BLANK	BLANK	BLANK

HEAVY BOMBERS AND FORMER HEAVY BOMBERS CONVERTED
FOR USE AS GROUND TRAINERS:

NONE

NAME/LOCATION	BOMBER TYPE AND VARIANT OF A TYPE	NUMBER
BLANK	BLANK	BLANK

HEAVY BOMBER AND FORMER HEAVY BOMBER STATIC DISPLAYS:

RYAZAN'

BOMBER TYPE AND VARIANT OF A TYPE	NUMBER
BEAR B	1

ENGEL'S

BOMBER TYPE AND VARIANT OF A TYPE	NUMBER
BISON B	1
BEAR G	1

CONVERSION OR ELIMINATION FACILITIES FOR HEAVY BOMBERS
AND FORMER HEAVY BOMBERS:

ENGEL'S

BOMBER TYPE AND
VARIANT OF A TYPE

BLANK

DEPLOYED HEAVY BOMBERS EQUIPPED
FOR LONG-RANGE NUCLEAR ALCMS

DASH

DEPLOYED HEAVY BOMBERS EQUIPPED
FOR NUCLEAR ARMAMENTS OTHER THAN
LONG-RANGE NUCLEAR ALCMS

DASH

HEAVY BOMBERS EQUIPPED FOR
NON-NUCLEAR ARMAMENTS

DASH

TEST HEAVY BOMBERS

DASH

TRAINING HEAVY BOMBERS

DASH

FORMER HEAVY BOMBERS

DASH

ANNEX C FOOTNOTES: NONE

ANNEX D. SPACE LAUNCH FACILITIES

FOR EACH PARTY, THE NUMBERS OF ICBMS AND SLBMS AT SPACE LAUNCH FACILITIES AND THE DATA ON SPACE LAUNCH FACILITIES ARE AS FOLLOWS:

A) RUSSIAN FEDERATION

TOTAL

ICBMS AND SLBMS AT SPACE LAUNCH FACILITIES	2
--	---

SPACE LAUNCH FACILITIES:

NENOKSA

ICBMS AND SLBMS AT SPACE LAUNCH FACILITIES	0
--	---

LAUNCHERS THAT HAVE CONTAINED OR LAUNCHED ICBMS OR SLBMS	1
--	---

SVOBODNY

ICBMS AND SLBMS AT SPACE LAUNCH FACILITIES	0
--	---

LAUNCHERS THAT HAVE CONTAINED OR LAUNCHED ICBMS OR SLBMS	2
--	---

PLESETSK

ICBMS AND SLBMS AT SPACE LAUNCH FACILITIES	2
--	---

LAUNCHERS THAT HAVE CONTAINED OR LAUNCHED ICBMS OR SLBMS	3 [1]
--	-------

ANNEX D FOOTNOTES:

[1] OF THESE, 1 (ONE) IS A NON-DEPLOYED SS-25 MOBILE LAUNCHER, 1 (ONE) IS A SOFT-SITE LAUNCHER FOR LAUNCHES OF THE "ROKOT" SPACE LAUNCH VEHICLE, AND 1 (ONE) IS A SOFT-SITE LAUNCHER FOR LAUNCHES OF THE "START" SPACE LAUNCH VEHICLE.

ANNEX E. ELIMINATED FACILITIES

FOR EACH PARTY, THOSE FACILITIES FORMERLY DECLARED IN THIS MEMORANDUM THAT, IN ACCORDANCE WITH PARAGRAPH 2 OF SECTION IX OF THE PROTOCOL ON CONVERSION OR ELIMINATION, ARE CONSIDERED ELIMINATED FOR THE PURPOSES OF THE TREATY AND WHOSE ELIMINATION HAS BEEN NOTIFIED IN ACCORDANCE WITH PARAGRAPH 3 OF SECTION I OF THE NOTIFICATION PROTOCOL ARE AS FOLLOWS:

B) RUSSIAN FEDERATION

FORMER FUNCTION OF THE FACILITY:

ICBM BASES FOR SILO LAUNCHERS OF ICBMS:

BERSHET'
KRASNOYARSK
DROVYANAYA
YOSHKAR-OLA
VYPOLZOVO
ALEYSK
KARTALY

SUBMARINE BASES:

OLEN'YA
OSTROVNOY

REPAIR FACILITY FOR MOBILE LAUNCHERS OF ICBMS:

BATAYSK

TRAINING FACILITY:

GORYACHIIY KLYUCH
PERM'

FOR EACH PARTY, THE FACILITIES CURRENTLY OR FORMERLY DECLARED IN THIS MEMORANDUM WHOSE PORTIONS HAVE BEEN EXCLUDED, IN ACCORDANCE WITH PARAGRAPH 19 OR 20 OF ANNEX J TO THIS MEMORANDUM, FOR THE PURPOSES OF THE TREATY FROM WITHIN THE BOUNDARIES SHOWN ON THE SITE DIAGRAMS OF SUCH FACILITIES, AND NOTIFICATION OF CHANGES IN THE BOUNDARIES OF WHICH HAVE BEEN PROVIDED IN ACCORDANCE WITH PARAGRAPH 19 OF SECTION I OF THE NOTIFICATION PROTOCOL, ARE AS FOLLOWS:

C) RUSSIAN FEDERATION:

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

MAINTENANCE FACILITY

NAME/LOCATION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND, IF APPLICABLE, SUBTITLE:

ICBM BASE FOR ROAD-MOBILE LAUNCHERS OF ICBMS
TEYKOVO MAINTENANCE FACILITY
TEYKOVO

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY: NONE

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY: S-1

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

TRAINING FACILITY

NAME/LOCATION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND, IF APPLICABLE, SUBTITLE:

PERM' TRAINING FACILITY

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY: NONE

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY: S-15

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

PRODUCTION FACILITY FOR SLBMS

NAME/LOCATION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND, IF APPLICABLE, SUBTITLE:

PRODUCTION FACILITY FOR SLBMS
ZLATOUST MACHINE BUILDING PLANT
ZLATOUST

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY: NONE

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY: S-21

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

MAINTENANCE FACILITY

NAME/LOCATION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND, IF APPLICABLE, SUBTITLE:

ICBM BASE FOR SILO LAUNCHERS OF ICBMS
KARTALY MAINTENANCE FACILITY
KARTALY

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY: NONE

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY: S-22

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS

NAME/LOCATION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND, IF APPLICABLE, SUBTITLE:

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS
RYAZAN'

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY: NONE

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY: S-23

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS

NAME/LOCATION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND, IF APPLICABLE, SUBTITLE:

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS
ENGEL'S

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY: NONE

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY: S-24

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS

NAME/LOCATION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND, IF APPLICABLE, SUBTITLE:

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS
UKRAINKA

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY: NONE

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY: S-25

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

TEST RANGE PLESETSK

NAME/LOCATION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND, IF APPLICABLE, SUBTITLE:

TEST RANGE PLESETSK

TESTING LOCATION 7
 9
 12
 16

FIELD POSITIONS

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY: 12-APR-2007

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY: S-27

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

ICBM BASE FOR RAIL-MOBILE LAUNCHERS OF ICBMS

NAME/LOCATION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND, IF APPLICABLE, SUBTITLE:

ICBM BASE FOR RAIL-MOBILE LAUNCHERS OF ICBMS
KOSTROMA

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY: 09-SEP-2007

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY: S-28

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

ICBM BASE FOR SILO LAUNCHERS OF ICBMS

NAME/LOCATION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

ICBM BASE FOR SILO LAUNCHERS OF ICBMS
DROVYANAYA

DATE OPERATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE
FACILITY: 17-JUL-2008

REFERENCE TO THE JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON
THE EXCLUSION OF PORTIONS OF A FACILITY: S-29

ANNEX E FOOTNOTES: NONE

ANNEX F. ICBM AND SLBM TECHNICAL DATA

IN ADDITION TO ICBM AND SLBM TECHNICAL DATA, THE PARTIES SHALL PROVIDE, AS A CATEGORY OF DATA FOR THIS ANNEX, THE FOLLOWING CLASSIFICATION OF EACH EXISTING TYPE OF ICBM AND SLBM:

CLASSIFICATION A: ASSEMBLED ICBMS OR SLBMS IN LAUNCH CANISTERS
 CLASSIFICATION B: ASSEMBLED ICBMS OR SLBMS WITHOUT LAUNCH CANISTERS
 CLASSIFICATION C: ICBMS OR SLBMS MAINTAINED, STORED, AND TRANSPORTED IN STAGES

A) RUSSIAN FEDERATION

(i) INTERCONTINENTAL BALLISTIC MISSILES:

	ICBM TYPE AND VARIANT OF A TYPE			
	SS-11	SS-13	SS-25	RS-12M VARIANT 2 FOR SILO LAUNCHER
MISSILE:				
CLASSIFICATION	A	C	A	A
NUMBER OF STAGES	2	3	3	3
LENGTH OF ASSEMBLED MISSILE WITHOUT FRONT SECTION (M)	17.0	19.7	18.5	17.9
MAXIMUM DIAMETER OF MISSILE AIRFRAME (WITHOUT STABILIZERS, RACEWAYS, LUG GUIDES, OR OTHER PROTRUDING ELEMENTS) (M)	2.00	1.84	1.80	1.86
LAUNCH WEIGHT [1] (MT)	50.1	51.0	45.1	47.2
TOTAL LENGTH OF MISSILE AS A UNIT WITH LAUNCH CANISTER:				
WITH FRONT SECTION (M)	19.5	DASH	22.3	22.7
WITHOUT FRONT SECTION [2] (M)	19.5	DASH	20.0	19.4
LENGTH OF LAUNCH CANISTER BODY [3] (M)	19.5	DASH	20.0	19.4
DIAMETER OF LAUNCH CANISTER BODY (WITHOUT PROTRUDING ELEMENTS) (M)	2.90	DASH	2.00	1.95

	ICBM TYPE AND VARIANT OF A TYPE			
	SS-11	SS-13	SS-25	RS-12M VARIANT 2 FOR SILO LAUNCHER
MISSILE STAGES:				
FIRST STAGE				
LENGTH (M)	13.40	9.20	8.10 (6.5)	8.04 [4]
LENGTH USED FOR CONFIRMING A NEW TYPE (M)	XX.X [5]	X.X [5]	7.4	6.9
DIAMETER (M)	2.00	1.84	1.80	1.86
TYPE OF PROPELLANT (LIQ/SOL)	LIQ	SOL	SOL	SOL
WEIGHT OF FULLY LOADED STAGE [1] (MT)	40.0	34.5	27.8	28.6
SECOND STAGE				
DIAMETER (IF DIFFERENT FROM FIRST STAGE) (M)	DASH	1.49	1.55	1.61
TYPE OF PROPELLANT (LIQ/SOL)	LIQ	SOL	SOL	SOL
THIRD STAGE				
DIAMETER (IF DIFFERENT FROM FIRST STAGE) (M)	DASH	1.00	1.34	1.58
TYPE OF PROPELLANT (LIQ/SOL)	DASH	SOL	SOL	SOL

ICBM TYPE AND VARIANT OF A TYPE
RS-12M SS-17 SS-19 SS-18
VARIANT 2
FOR ROAD-MOBILE
LAUNCHER

MISSILE:

CLASSIFICATION	A	A	A	A
NUMBER OF STAGES	3	2	2	2
LENGTH OF ASSEMBLED MISSILE WITHOUT FRONT SECTION (M)	17.9	20.9	21.1	29.1 (28.5) [6]
MAXIMUM DIAMETER OF MISSILE AIRFRAME (WITHOUT STABILIZERS, RACEWAYS, LUG GUIDES, OR OTHER PROTRUDING ELEMENTS) (M)	1.86	2.25	2.50	3.00
LAUNCH WEIGHT [1] (MT)	47.2	71.1	105.6	211.1
TOTAL LENGTH OF MISSILE AS A UNIT WITH LAUNCH CANISTER:				
WITH FRONT SECTION (M)	22.3	21.6	24.3	35.7 (38.9) [7]
WITHOUT FRONT SECTION [2] (M)	19.5	21.6	20.0	30.5
LENGTH OF LAUNCH CANISTER BODY [3] (M)	19.5	21.6	19.4	29.7
DIAMETER OF LAUNCH CANISTER BODY (WITHOUT PROTRUDING ELEMENTS) (M)	2.05	2.50	2.90	3.50

MISSILE STAGES:

FIRST STAGE

LENGTH (M)	8.04	14.90	17.20	22.30
LENGTH USED FOR CONFIRMING A NEW TYPE [5] (M)	6.9	XX.X	XX.X	XX.X
DIAMETER (M)	1.86	2.25	2.50	3.00
TYPE OF PROPELLANT (LIQ/SOL)	SOL	LIQ	LIQ	LIQ
WEIGHT OF FULLY LOADED STAGE [1] (MT)	28.6	59.0	86.3	161.5

ICBM TYPE AND VARIANT OF A TYPE
 RS-12M SS-17 SS-19 SS-18
 VARIANT 2
 FOR ROAD-MOBILE
 LAUNCHER

SECOND STAGE

DIAMETER (IF DIFFERENT FROM FIRST STAGE) (M) 1.61 2.10 DASH DASH

TYPE OF PROPELLANT (LIQ/SOL) SOL LIQ LIQ LIQ

THIRD STAGE

DIAMETER (IF DIFFERENT FROM FIRST STAGE) (M) 1.58 DASH DASH DASH

TYPE OF PROPELLANT (LIQ/SOL) SOL DASH DASH DASH

ICBM TYPE AND VARIANT OF A TYPE
 SS-24 SS-24
 FOR SILO FOR RAIL-
 LAUNCHER MOBILE
 LAUNCHER

MISSILE:

CLASSIFICATION A A

NUMBER OF STAGES 3 3

LENGTH OF ASSEMBLED MISSILE WITHOUT FRONT SECTION (M) 18.8 [8] 19.0 [8]

MAXIMUM DIAMETER OF MISSILE AIRFRAME (WITHOUT STABILIZERS, RACEWAYS, LUG GUIDES, OR OTHER PROTRUDING ELEMENTS) (M) 2.40 2.40

LAUNCH WEIGHT [1] (MT) 104.5 104.5

TOTAL LENGTH OF MISSILE AS A UNIT WITH LAUNCH CANISTER:

WITH FRONT SECTION (M) 22.4 22.6

WITHOUT FRONT SECTION [2] (M) 20.4 20.6

LENGTH OF LAUNCH CANISTER BODY [3] (M) 18.9 18.9

DIAMETER OF LAUNCH CANISTER BODY (WITHOUT PROTRUDING ELEMENTS) (M) 2.70 2.70

	ICBM TYPE AND VARIANT OF A TYPE	
	SS-24 FOR SILO LAUNCHER	SS-24 FOR RAIL-MOBILE LAUNCHER
MISSILE STAGES:		
FIRST STAGE		
LENGTH (M)	9.50 [9] [11]	9.70 [10] [12]
LENGTH USED FOR CONFIRMING A NEW TYPE (M)	X.X [5]	8.2
DIAMETER (M)	2.40	2.40
TYPE OF PROPELLANT (LIQ/SOL)	SOL	SOL
WEIGHT OF FULLY LOADED STAGE [1] (MT)	52.5	53.7
SECOND STAGE		
DIAMETER (IF DIFFERENT FROM FIRST STAGE) (M)	DASH	DASH
TYPE OF PROPELLANT (LIQ/SOL)	SOL	SOL
THIRD STAGE		
DIAMETER (IF DIFFERENT FROM FIRST STAGE) (M)	DASH	DASH
TYPE OF PROPELLANT (LIQ/SOL)	SOL	SOL

ROAD-MOBILE LAUNCHERS OF ICBMS, AS WELL AS FIXED STRUCTURES FOR
ROAD-MOBILE LAUNCHERS OF ICBMS AND SUPPORT EQUIPMENT FOR
ROAD-MOBILE LAUNCHERS OF ICBMS:

	ICBM TYPE AND VERSION OF AN ITEM	
	SS-25	RS-12M VARIANT 2 FOR ROAD-MOBILE LAUNCHER
ROAD-MOBILE LAUNCHER OF ICBMS (IN TRANSPORT POSITION, WITHOUT MISSILE):		
LENGTH (M)	17.3 (18.4) [13]	19.3
HEIGHT (M) (WITHOUT PROTRUDING ELEMENTS)	3.0 [14]	2.9
WIDTH (M) [15]	3.1	3.4

ICBM TYPE AND VERSION OF AN ITEM
 SS-25 RS-12M
 VARIANT 2 FOR
 ROAD-MOBILE
 LAUNCHER

TRANSPORTER-LOADER (IN TRANSPORT
 POSITION, WITHOUT MISSILE):

LENGTH (M)	XX.X	XX.X
HEIGHT (M)	X.X	X.X
WIDTH (M)	X.X	X.X

FIXED STRUCTURE FOR ROAD-MOBILE
 LAUNCHERS OF ICBMS:

LENGTH (M) (ALONG THE FOUNDATION)	30.4	BLANK
HEIGHT (M)	7.2 [16]	BLANK
WIDTH (M) (ALONG THE FOUNDATION)	8.1	BLANK
NUMBER OF SPACES FOR ROAD-MOBILE LAUNCHERS OF ICBMS	1	BLANK

RAIL-MOBILE LAUNCHERS OF ICBMS, AS WELL AS TRAINS OF STANDARD
 CONFIGURATION AND FIXED STRUCTURES FOR RAIL-MOBILE LAUNCHERS OF ICBMS:

ICBM TYPE AND VERSION OF AN ITEM
 SS-24

RAIL-MOBILE LAUNCHER OF ICBMS
 (IN TRANSPORT POSITION, WITHOUT MISSILE):

LENGTH (M)	23.6
HEIGHT (M)	5.0
WIDTH (M)	3.2

TRAIN OF STANDARD CONFIGURATION:

NUMBER OF RAIL-MOBILE LAUNCHERS OF ICBMS/NUMBER OF LAUNCH- ASSOCIATED RAILCARS	3/6
--	-----

SUPPORT EQUIPMENT FOR SILO LAUNCHERS OF ICBMS:

	ICBM TYPE AND VERSION OF AN ITEM			
	SS-19	SS-18	SS-24	RS-12M VARIANT 2 FOR SILO LAUNCHER
ICBM EMPLACEMENT EQUIPMENT (IN TRANSPORT POSITION, WITHOUT MISSILE):				
LENGTH [17] (M)	18.8	21.6	26.8	24.4
HEIGHT [18] (M)	3.4	4.4	5.7	5.24 [19]
WIDTH (M)	3.3	3.4	4.1	4.95

(ii) SUBMARINE-LAUNCHED BALLISTIC MISSILES:

MISSILE:	SLBM TYPE AND VARIANT OF A TYPE			
	SS-N-6	SS-N-8	SS-N-17	SS-N-18
CLASSIFICATION	B	B	B	B
NUMBER OF STAGES	1	2	2	2
LENGTH OF ASSEMBLED MISSILE WITHOUT FRONT SECTION (M)	7.1	13.0 (12.1) [20]	10.6	14.1
MAXIMUM DIAMETER OF MISSILE AIRFRAME (WITHOUT STABILIZERS, RACEWAYS, LUG GUIDES, OR OTHER PROTRUDING ELEMENTS) (M)	1.50	1.80	1.54	1.80
LAUNCH WEIGHT [1] (MT)	14.2	33.3	26.9	35.3

TOTAL LENGTH OF MISSILE
AS A UNIT WITH LAUNCH
CANISTER:

WITH FRONT SECTION (M)	DASH	DASH	DASH	DASH
WITHOUT FRONT SECTION (M)	DASH	DASH	DASH	DASH
LENGTH OF LAUNCH CANISTER BODY (M)	DASH	DASH	DASH	DASH
DIAMETER OF LAUNCH CANISTER BODY (WITHOUT PROTRUDING ELEMENTS) (M)	DASH	DASH	DASH	DASH

	SLBM TYPE AND VARIANT OF A TYPE			
	SS-N-6	SS-N-8	SS-N-17	SS-N-18
MISSILE STAGES:				
FIRST STAGE				
LENGTH (M)	7.1	9.3	6.3	9.3
LENGTH USED OF CONFIRMING A NEW TYPE [5] (M)	X.X	X.X	X.X	X.X
DIAMETER (M)	1.50	1.80	1.54	1.80
TYPE OF PROPELLANT (LIQ/SOL)	LIQ	LIQ	SOL	LIQ
WEIGHT OF FULLY LOADED STAGE [1] (MT)	13.5	25.7	17.5	25.7
SECOND STAGE				
DIAMETER (IF DIFFERENT FROM FIRST STAGE) (M)	DASH	DASH	DASH	DASH
TYPE OF PROPELLANT (LIQ/SOL)	DASH	LIQ	SOL	LIQ
THIRD STAGE				
DIAMETER (IF DIFFERENT FROM FIRST STAGE) (M)	DASH	DASH	DASH	DASH
TYPE OF PROPELLANT (LIQ/SOL)	DASH	DASH	DASH	DASH

	SLBM TYPE AND VARIANT OF A TYPE		
	SS-N-20	SS-N-23	RSM-56
MISSILE:			
CLASSIFICATION	B	B	A
NUMBER OF STAGES	3	3	3
LENGTH OF ASSEMBLED MISSILE WITHOUT FRONT SECTION (M)	16.0 (16.1) [21]	14.8	11.5
MAXIMUM DIAMETER OF MISSILE AIRFRAME (WITHOUT STABILIZERS, RACEWAYS, LUG GUIDES, OR OTHER PROTRUDING ELEMENTS) (M)	2.40	1.90	2.0
LAUNCH WEIGHT [1] (MT)	90.0 (84.0) [22] (87.6) [21]	40.3	36.8

SLBM TYPE AND VARIANT OF A TYPE
SS-N-20 SS-N-23 RSM-56

TOTAL LENGTH OF MISSILE AS A
UNIT WITH LAUNCH CANISTER

WITH FRONT SECTION (M)	DASH	DASH	12.1
WITHOUT FRONT SECTION (M)	DASH	DASH	DASH
LENGTH OF LAUNCH CANISTER BODY (M)	DASH	DASH	12.1
DIAMETER OF LAUNCH CANISTER BODY (WITHOUT PROTRUDING ELEMENTS) (M)	DASH	DASH	2.1

MISSILE STAGES:

FIRST STAGE			
LENGTH (M)	9.5 (8.2) [21]	7.3	3.8
LENGTH USED OF CONFIRMING A NEW TYPE [5] (M)	X.X	X.X	X.X
DIAMETER (M)	2.40	1.90	2.0
TYPE OF PROPELLANT (LIQ/SOL)	SOL	LIQ	SOL
WEIGHT OF FULLY LOADED STAGE [1] (MT)	52.8 (49.9) [21]	22.3	18.6
SECOND STAGE			
DIAMETER (IF DIFFERENT FROM FIRST STAGE) (M)	DASH	DASH	DASH
TYPE OF PROPELLANT (LIQ/SOL)	SOL	LIQ	SOL
THIRD STAGE			
DIAMETER (IF DIFFERENT FROM FIRST STAGE) (M)	2.30	1.85	DASH
TYPE OF PROPELLANT (LIQ/SOL)	SOL	LIQ	SOL

FOOTNOTES TO ANNEX F:

- [1] GIVEN AS REFERENCE DATA; DETERMINED THROUGH CALCULATION.
- [2] AS RECEIVED FROM MANUFACTURING PLANT.
- [3] WITHOUT ADDITIONAL CANISTER PART (SKIRT) CONTAINING FRONT SECTION.

- [4] LENGTH OF SS-25 ICBM FIRST STAGE, BURNED WITHOUT NOZZLE ATTACHED, IS 6.5 M.
- [5] DATA WILL BE PROVIDED WHEN A NEW TYPE OF ICBM OR SLBM IS DECLARED, FOR THE PURPOSE OF CONFIRMING A CHANGE IN THE STAGE LENGTH OF AN ICBM OR SLBM OF A NEW TYPE IN COMPARISON WITH THE STAGE LENGTH OF ICBMS OR SLBMS OF EXISTING OR PREVIOUSLY DECLARED NEW TYPES.
- [6] FOR VARIANTS SS-18A AND SS-18C IT IS 28.5 METERS; FOR VARIANT SS-18B IT IS 29.1 METERS.
- [7] FOR VARIANTS SS-18B AND SS-18C IT IS 35.7 METERS; FOR VARIANT SS-18A IT IS 38.9 METERS.
- [8] LENGTH OF ASSEMBLED SS-24 ICBM FOR SILO LAUNCHER WITHOUT FRONT SECTION WITH COUPLING DEVICE ATTACHED IS 19.3 METERS; LENGTH OF ASSEMBLED SS-24 ICBM FOR RAIL-MOBILE LAUNCHER WITHOUT FRONT SECTION WITH COUPLING DEVICE ATTACHED IS 19.3 METERS.
- [9] LENGTH OF FIRST STAGE WITHOUT NOZZLE ATTACHED IS 7.1 METERS.
- [10] LENGTH OF FIRST STAGE WITHOUT NOZZLE ATTACHED IS 7.3 METERS.
- [11] LENGTH OF SEPARATE FIRST STAGE OF SS-24 ICBM FOR SILO LAUNCHER WITH COUPLING DEVICE ATTACHED IS 8.8 METERS.
- [12] LENGTH OF SEPARATE FIRST STAGE OF SS-24 ICBM FOR RAIL-MOBILE LAUNCHER WITH COUPLING DEVICE ATTACHED IS 8.8 METERS.
- [13] DEPENDING UPON VERSION OF AN ITEM.
- [14] HEIGHT MAY VARY INSIGNIFICANTLY, DEPENDING UPON SOIL COMPACTNESS, TIRE PRESSURE, ETC.
- [15] NOT INCLUDING DISK PLATES FASTENED ON BOTH SIDES, WHICH PROTRUDE IN TRANSPORT POSITION AND WHICH ARE REMOVED AND USED FOR GROUND SUPPORT DURING MISSILE LAUNCH PREPARATION.
- [16] HEIGHT MAY VARY INSIGNIFICANTLY, DEPENDING UPON CONSTRUCTION TOLERANCES DURING ASSEMBLY OF THE STRUCTURE AND UPON HOW TIGHTLY ROOF IS CLOSED.
- [17] WITHOUT PRIME MOVER.
- [18] HEIGHT IS MEASURED WITH PRIME MOVER ATTACHED.
- [19] GIVEN AS REFERENCE DATA.
- [20] DEPENDING UPON MISSILE CONFIGURATION.
- [21] FOR A VARIANT OF A TYPE OF SLBM.
- [22] LAUNCH WEIGHT WITH LAUNCHER COMPONENTS IS SHOWN; SHOWN IN PARENTHESES IS LAUNCH WEIGHT AFTER THESE COMPONENTS HAVE BEEN JETTISONED.

ANNEX G. HEAVY BOMBER TECHNICAL DATA

B) RUSSIAN FEDERATION

	TYPE	DATE
DATE HEAVY BOMBER OF EACH TYPE	BLACKJACK	APR 1987
INITIALLY BASED AT AN AIR BASE	BEAR	APR 1956
TYPES OF HEAVY BOMBERS FROM WHICH LONG-RANGE NUCLEAR ALCMS HAVE BEEN FLIGHT-TESTED	BLACKJACK BEAR	

(i) HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

	BOMBER TYPE AND VARIANT OF A TYPE		
	BLACKJACK	BEAR H16	BEAR H6
TYPE OF LONG-RANGE NUCLEAR ALCMS FOR WHICH A HEAVY BOMBER IS EQUIPPED	AS-15B	AS-15A	AS-15A
MAXIMUM NUMBER OF LONG-RANGE NUCLEAR ALCMS FOR WHICH ANY HEAVY BOMBER OF THIS TYPE AND VARIANT OF A TYPE IS ACTUALLY EQUIPPED	12	16	6
MAXIMUM NUMBER OF LONG-RANGE NUCLEAR ALCMS CARRIED ON EXTERNAL ATTACHMENT JOINTS	0	10	0
MAXIMUM NUMBER OF LONG-RANGE NUCLEAR ALCMS CARRIED IN INTERNAL WEAPONS BAYS	12	6	6

LAUNCHERS OF LONG-RANGE NUCLEAR ALCMS:

EXTERNAL LAUNCHER:
PYLON

LENGTH (METERS)	DASH	6.2	DASH
HEIGHT (METERS)	DASH	1.32	DASH (1.65) [1]
MAXIMUM NUMBER ON HEAVY BOMBER	DASH	4	DASH
MAXIMUM NUMBER OF LONG-RANGE NUCLEAR ALCMS CARRIED ON EACH EACH PYLON	DASH	2 (3) [2]	DASH

	BOMBER TYPE AND VARIANT OF A TYPE		
	BLACKJACK	BEAR H16	BEAR H6
NUMBER OF ATTACHMENT JOINTS ON PYLON FOR ATTACHING IT TO HEAVY BOMBER	DASH	2	DASH
DISTANCE BETWEEN JOINTS FOR ATTACHING PYLON TO HEAVY BOMBER, MEASURED ON PYLON OR HEAVY BOMBER (M)	DASH	3.4	DASH
NUMBER OF ATTACHMENT JOINTS ON PYLON FOR ATTACHING LONG-RANGE NUCLEAR ALCM TO IT	DASH	2	DASH
DISTANCE BETWEEN JOINTS FOR ATTACHING LONG-RANGE NUCLEAR ALCM TO PYLON, MEASURED ON PYLON (M)	DASH	2.3	DASH
DISTINGUISHING FEATURES OF PYLON	DASH	BLANK	DASH
LONG-RANGE NUCLEAR ALCM LAUNCHER LOCATED IN INTERNAL WEAPONS BAYS:			
LENGTH (METERS)	6.6	6.6	6.6
DISTINGUISHING FEATURES OF LAUNCHER	ROTARY TYPE WITH EXTERNAL SUSPENSION OF MISSILES		
MAXIMUM NUMBER ON HEAVY BOMBER	2	1	1
MAXIMUM NUMBER OF LONG-RANGE NUCLEAR ALCMS FOR WHICH LAUNCHER IS EQUIPPED	6	6	6
DIMENSIONS OF WEAPONS BAYS (M)			
FIRST BAY			
LENGTH [3] (M)	11.3	7.5	7.5
WIDTH [3] (M)	1.92	1.78	1.78
HEIGHT (M)	2.4	2.9	2.9
SECOND BAY			
LENGTH [3] (M)	11.3	DASH	DASH
WIDTH [3] (M)	1.92	DASH	DASH
HEIGHT (M)	2.4	DASH	DASH
THIRD BAY			
LENGTH	DASH	DASH	DASH
WIDTH	DASH	DASH	DASH
HEIGHT	DASH	DASH	DASH

DISTINGUISHING FEATURES BETWEEN VARIANTS OF A TYPE OF HEAVY BOMBER WITHIN THE CATEGORY OF HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

THE ABSENCE OF EXTERNAL ATTACHMENT JOINTS FOR ARMAMENTS UNDER THE WING IS A FEATURE DISTINGUISHING THE BEAR H6 VARIANT OF A TYPE OF HEAVY BOMBER EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS FROM THE BEAR H16 HEAVY BOMBER EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS.

(ii) HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS:

DIFFERENCES THAT MAKE HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS DISTINGUISHABLE FROM HEAVY BOMBERS OF THIS TYPE EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS, TECHNICAL DATA FOR WHICH ARE LISTED IN SUBPARAGRAPH (i):

(1) DIFFERENCES BETWEEN BEAR A [4] HEAVY BOMBER EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS AND BEAR H6 AND BEAR H16 HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES:

- THERE ARE THREE TWIN-MOUNTED GUNS ON THE TOP AND BOTTOM OF THE FUSELAGE AND IN THE TAIL SECTION. BEAR H6 AND BEAR H16 AIRPLANES HAVE ONE TWIN-MOUNTED TAIL GUN.
- THE PRIMARY LANDING GEAR STRUTS ARE TILTED TOWARD THE TAIL SECTION OF THE AIRPLANE. THE PRIMARY LANDING GEAR STRUTS ON BEAR H6 AND BEAR H16 AIRPLANES ARE TILTED TOWARD THE NOSE SECTION OF THE AIRPLANE.
- THERE IS NO IN-FLIGHT REFUELING PROBE. THERE IS SUCH A PROBE ON BEAR H6 AND BEAR H16 AIRPLANES.

DISTINGUISHING FEATURES UNDER WING/FUSELAGE:

- THERE ARE NO ATTACHMENT JOINTS FOR ARMAMENTS UNDER THE WING/FUSELAGE.

DISTINGUISHING FEATURES OF WEAPONS BAY:

- THE WEAPONS BAY IS NOT EQUIPPED FOR A ROTARY LAUNCHER OF LONG-RANGE NUCLEAR ALCMS AND IS DISTINGUISHABLE FROM THE WEAPONS BAY ON BEAR H6 AND BEAR H16 AIRPLANES BY THE FOLLOWING: THE LENGTH (ALONG THE EDGE OF THE DOOR) IS 7.44 METERS, THE WIDTH (ALONG THE EDGE OF THE DOOR) IS 1.67 METERS, AND THE HEIGHT (AT THE FRONT EDGE OF THE DOOR) IS 2.23 METERS.

- TWO BOMB RACKS FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS ARE LOCATED IN THE WEAPONS BAY. A BOMB RACK IS DISTINGUISHABLE FROM A PYLON OR ROTARY LAUNCHER OF LONG-RANGE NUCLEAR ALCMS BY THE DISTANCE BETWEEN THE JOINTS FOR ATTACHING THE NUCLEAR ARMAMENTS ONTO THE BOMB RACK, WHICH IS 0.48 METERS.

(2) DIFFERENCES BETWEEN THE BEAR B [5] HEAVY BOMBER EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS AND BEAR H6 AND BEAR H16 HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES:

- THERE ARE THREE TWIN-MOUNTED GUNS ON THE TOP AND BOTTOM OF THE FUSELAGE AND IN THE TAIL SECTION. BEAR H6 AND BEAR H16 AIRPLANES HAVE ONE TWIN-MOUNTED TAIL GUN.
- THE PRIMARY LANDING GEAR STRUTS ARE TILTED TOWARD THE TAIL SECTION OF THE AIRPLANE. THE PRIMARY LANDING GEAR STRUTS ON BEAR H6 AND BEAR H16 AIRPLANES ARE TILTED TOWARD THE NOSE SECTION OF THE AIRPLANE.

DISTINGUISHING FEATURES UNDER WING/FUSELAGE:

- THERE ARE NO ATTACHMENT JOINTS FOR ARMAMENTS UNDER THE WING/FUSELAGE.

DISTINGUISHING FEATURES OF WEAPONS BAY:

- THE WEAPONS BAY IS NOT EQUIPPED FOR A ROTARY LAUNCHER OF LONG-RANGE NUCLEAR ALCMS AND IS DISTINGUISHABLE FROM THE WEAPONS BAY ON BEAR H6 AND BEAR H16 AIRPLANES BY THE FOLLOWING: THE LENGTH (ALONG THE EDGE OF THE DOOR) IS 14.2 METERS;
- ONE BEAM-TYPE RACK FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS IS LOCATED IN THE WEAPONS BAY. THE RACK IS DISTINGUISHABLE FROM A ROTARY LAUNCHER OF LONG-RANGE NUCLEAR ALCMS BY THE DISTANCE BETWEEN THE SUPPORTS FOR ATTACHING NUCLEAR ARMAMENTS ONTO THE RACK, WHICH IS 3.76 METERS.

(3) DIFFERENCES BETWEEN BEAR G HEAVY BOMBER EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS AND BEAR H AND BEAR H16 HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES:

- THERE ARE TWO TWIN-MOUNTED GUNS ON THE TOP AND BOTTOM OF THE FUSELAGE. BEAR H6 AND BEAR H16 AIRPLANES HAVE ONE TWIN-MOUNTED TAIL GUN.

DISTINGUISHING FEATURES UNDER WING/FUSELAGE:

- ONE PYLON FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS IS LOCATED UNDER EACH WING. THIS PYLON IS DISTINGUISHABLE FROM A PYLON FOR LONG-RANGE NUCLEAR ALCMS BY THE DISTANCE BETWEEN THE JOINTS FOR ATTACHING THE PYLON TO THE WING OF THE HEAVY BOMBER (4.7 METERS), AND THE DISTANCE BETWEEN THE JOINTS FOR ATTACHING NUCLEAR ARMAMENTS ONTO THE PYLON.

DISTINGUISHING FEATURES OF WEAPONS BAY:

- THE WEAPONS BAY IS NOT EQUIPPED FOR A ROTARY LAUNCHER OF LONG-RANGE NUCLEAR ALCMS AND IS DISTINGUISHABLE FROM THE WEAPONS BAY ON BEAR H6 AND BEAR H16 AIRPLANES BY THE FOLLOWING: THE LENGTH (ALONG THE EDGE OF THE DOOR) IS 12.0 METERS;
- ONE BEAM-TYPE RACK FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS IS LOCATED IN THE WEAPONS BAY. THE RACK IS DISTINGUISHABLE FROM A PYLON OR ROTARY LAUNCHER OF LONG-RANGE NUCLEAR ALCMS BY THE DISTANCE BETWEEN THE SUPPORTS FOR ATTACHING NUCLEAR ARMAMENTS ONTO THE RACK, WHICH IS 2.7 METERS.

(iii) HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS, OF A TYPE FROM NONE OF WHICH A LONG-RANGE NUCLEAR ALCM HAS BEEN FLIGHT-TESTED: NONE

RECOGNITION FEATURES OF (BLANK) HEAVY BOMBERS:

(iv) HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS: NONE

DIFFERENCES THAT MAKE HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS DISTINGUISHABLE FROM HEAVY BOMBERS OF THIS TYPE EQUIPPED FOR NUCLEAR ARMAMENTS, TECHNICAL DATA AND DISTINGUISHING FEATURES FOR WHICH ARE LISTED IN SUBPARAGRAPH (i) OR (ii):

(1) DIFFERENCES BETWEEN (BLANK) HEAVY BOMBER EQUIPPED FOR NON-NUCLEAR ARMAMENTS AND (BLANK) HEAVY BOMBER EQUIPPED FOR NUCLEAR ARMAMENTS:

EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES:

- (EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES OF FUSELAGE, WING, LANDING GEAR, AIRPLANE AIR REFUELING DEVICES, MACHINE GUN AND CANNON ARMAMENT, AND OTHER STRUCTURAL DIFFERENCES MAY BE LISTED.)

DISTINGUISHING FEATURES UNDER WING/FUSELAGE:

(DISTINGUISHING FEATURES OF JOINTS FOR ATTACHING NON-NUCLEAR ARMAMENTS AND EXTERNAL LAUNCHERS (PYLONS) TO AIRPLANE MAY BE LISTED.)

DISTINGUISHING FEATURES OF WEAPONS BAY:

(DISTINGUISHING FEATURES OF LAUNCHER OF NON-NUCLEAR ARMAMENTS, INTERNAL WEAPONS BAYS, AND JOINTS FOR ATTACHING LAUNCHER TO AIRPLANE AND NON-NUCLEAR ARMAMENTS TO LAUNCHER MAY BE LISTED.)

(v) TRAINING HEAVY BOMBERS:

DIFFERENCES THAT MAKE TRAINING HEAVY BOMBERS DISTINGUISHABLE FROM HEAVY BOMBERS OF THIS TYPE EQUIPPED FOR NUCLEAR ARMAMENTS, TECHNICAL DATA AND DISTINGUISHING FEATURES FOR WHICH ARE LISTED IN SUBPARAGRAPH (i), (ii), OR (iv):

(1) DIFFERENCES BETWEEN BEAR T [6] TRAINING HEAVY BOMBER AND HEAVY BOMBERS OF THIS TYPE EQUIPPED FOR NUCLEAR ARMAMENTS:

EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES:

- THE BEAR T TRAINING HEAVY BOMBER IS A MODIFICATION OF THE BEAR A HEAVY BOMBER TYPE AND HAS THE FOLLOWING DISTINCTIVE EXTERNAL DISTINGUISHING FEATURES: THERE ARE THREE TWIN-MOUNTED GUNS ON THE TOP AND BOTTOM OF THE FUSELAGE AND IN THE TAIL SECTION; THERE IS NO IN-FLIGHT REFUELING PROBE; A RED BAND HAS BEEN APPLIED AROUND THE FUSELAGE IN FRONT OF THE STABILIZER.
- BEAR H6 AND BEAR H16 HEAVY BOMBERS HAVE ONE TWIN-MOUNTED TAIL GUN.

DISTINGUISHING FEATURES UNDER WING/FUSELAGE:

- THERE ARE NO EXTERNAL ATTACHMENT JOINTS FOR ARMAMENTS OR EXTERNAL PYLON ATTACHMENT JOINTS FOR CARRYING ANY "AIR-TO-SURFACE" ARMAMENTS.
- BEAR H16 AND BEAR G HEAVY BOMBERS HAVE EXTERNAL JOINTS FOR ATTACHING PYLONS TO THE BOMBER AND JOINTS FOR ATTACHING ARMAMENTS ONTO THE PYLON.

DISTINGUISHING FEATURES OF WEAPONS BAY:

- THERE IS NO WEAPONS BAY. THE DOORS OF THE WEAPONS BAY HAVE BEEN SEALED SHUT, PRECLUDING PLACEMENT IN THE BAY OF ANY "AIR-TO-SURFACE" ARMAMENTS.
- BEAR H6, BEAR H16, BEAR B, BEAR G, AND BEAR A HEAVY BOMBERS HAVE ONE WEAPONS BAY.

(vi) FORMER HEAVY BOMBERS:

DIFFERENCES THAT MAKE FORMER HEAVY BOMBERS DISTINGUISHABLE FROM HEAVY BOMBERS OF THIS TYPE EQUIPPED FOR NUCLEAR ARMAMENTS OR NON-NUCLEAR ARMAMENTS, TECHNICAL DATA AND DISTINGUISHING FEATURES FOR WHICH ARE LISTED IN SUBPARAGRAPH (i), (ii), (iv), OR (v):

NONE

(1) DIFFERENCES BETWEEN (BLANK) FORMER HEAVY BOMBER AND (BLANK) HEAVY BOMBER EQUIPPED FOR NUCLEAR ARMAMENTS OR NON-NUCLEAR ARMAMENTS:

EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES:

(EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES OF FUSELAGE, WING, LANDING GEAR, AIRPLANE AIR REFUELING DEVICES, MACHINE GUN AND CANNON ARMAMENT, AND OTHER STRUCTURAL ALTERATIONS MAY BE LISTED.)

DISTINGUISHING FEATURES UNDER WING/FUSELAGE:

(DISTINGUISHING FEATURES CONFIRMING ABSENCE OR REMOVAL (ELIMINATION) OF JOINTS FOR ATTACHING EXTERNAL LAUNCHERS (PYLONS) TO AIRPLANE MAY BE LISTED.)

DISTINGUISHING FEATURES OF WEAPONS BAY:

(DISTINGUISHING FEATURES OF BAY CONFIRMING ABSENCE OR REMOVAL (ELIMINATION) OF LAUNCHER FOR ARMAMENTS OR DISTINGUISHING FEATURES CONFIRMING THAT DOOR CANNOT BE USED FOR INSTALLING ARMAMENTS MAY BE LISTED.)

(2) RECOGNITION FEATURES OF BISON B FORMER HEAVY BOMBERS, FOR WHICH TYPE OF AIRPLANE NO HEAVY BOMBERS EXIST:

FEATURES MAKING IT POSSIBLE TO IDENTIFY BISON B FORMER HEAVY BOMBER:

EXTERNAL OBSERVABLE FEATURES:

- THE BISON B FORMER HEAVY BOMBER IS A MODIFICATION OF THE BISON [7] HEAVY BOMBER AND HAS THE FOLLOWING DISTINCTIVE EXTERNAL FEATURES: FOUR TURBOJET ENGINES LOCATED ON THE WINGS -- TWO ENGINES ON EACH SIDE OF THE FUSELAGE; BICYCLE-TYPE LANDING GEAR STRUTS (TWO PRIMARY LANDING GEAR STRUTS LOCATED UNDER THE FUSELAGE, ALIGNED WITH THE AIRPLANE) AND TWO UNDERWING LANDING GEAR STRUTS LOCATED ON THE WING TIPS.

FEATURES UNDER WING/FUSELAGE:

- THERE ARE NO EXTERNAL ATTACHMENT JOINTS FOR ARMAMENTS OR EXTERNAL PYLON ATTACHMENT JOINTS FOR CARRYING ANY "AIR-TO-SURFACE" ARMAMENTS.

FEATURES OF WEAPONS BAY:

- THE DOORS OF THE WEAPONS BAY HAVE BEEN SEALED SHUT AND CANNOT BE OPENED, PRECLUDING PLACEMENT IN THE BAY OF "AIR-TO-SURFACE" ARMAMENTS. A PROPELLANT TANK HAS BEEN INSTALLED INSIDE THE WEAPONS BAY, AND AIRPLANE AIR REFUELING EQUIPMENT IS HOUSED THERE. THERE IS A HATCH FOR TRAILING THE HOSE AND CONE FOR IN-FLIGHT REFUELING OF AIRPLANES.

ANNEX G FOOTNOTES:

- [1] HEIGHT OF SECOND PYLON ON WING (AS COUNTED FROM FUSELAGE) IS SHOWN IN PARENTHESES.
- [2] MAXIMUM NUMBER OF LONG-RANGE NUCLEAR ALCMS CARRIED ON SECOND PYLON ON WING (AS COUNTED FROM FUSELAGE) IS SHOWN IN PARENTHESES.
- [3] DIMENSIONS ALONG EDGE OF DOOR SHOWN.
- [4] THERE ARE NO BEAR A HEAVY BOMBERS.
- [5] THERE ARE NO BEAR B HEAVY BOMBERS.
- [6] THERE ARE NO BEAR T HEAVY BOMBERS.
- [7] THERE ARE NO BISON TYPE HEAVY BOMBERS.

ANNEX H. LONG-RANGE NUCLEAR ALCM TECHNICAL DATA

A) RUSSIAN FEDERATION

(i) LONG-RANGE NUCLEAR ALCMS:

	ALCM TYPE AND VARIANT OF A TYPE	
	AS-15A	AS-15B
MAXIMUM ASSEMBLED MISSILE LENGTH (M)	6.0	6.0
MAXIMUM MISSILE FUSELAGE CROSS SECTION MEASUREMENT (M)	0.51	0.77
FULLY EXTENDED WINGSPAN (M)	3.1	3.1
NUMBER OF JOINTS FOR ATTACHING LONG-RANGE NUCLEAR ALCM TO LAUNCHER	2	2
DISTANCE BETWEEN JOINTS FOR ATTACHING LONG-RANGE NUCLEAR ALCM TO LAUNCHER (M)	2.3	2.3
OTHER DISTINGUISHING FEATURES OF LONG-RANGE NUCLEAR ALCM	BLANK	BLANK

ANNEX H FOOTNOTES: NONE

ANNEX I. OTHER DATA REQUIRED BY THE TREATY

1. FOR EACH PARTY, THE STATIC DISPLAYS IN EXISTENCE AT THE TIME OF SIGNATURE OF THE TREATY THAT ARE NOT SUBJECT TO THE LIMITATIONS PROVIDED FOR IN SUBPARAGRAPH 7(A) OF ARTICLE IV OF THE TREATY ARE AS FOLLOWS:

B) RUSSIAN FEDERATION

ICBM LAUNCHER STATIC DISPLAYS:
NONE

NAME/LOCATION	ICBM TYPE	NUMBER
BLANK	BLANK	BLANK

ICBM STATIC DISPLAYS:

BALABANOVO	SS-13	1
	SS-25	1
	SS-17	2
	SS-19	1
	SS-18	1
	SS-24	1

ICBM LAUNCH CANISTER STATIC DISPLAYS:

BALABANOVO	SS-17	2
	SS-19	1

SLBM STATIC DISPLAYS:
NONE

NAME/LOCATION	BLANK	BLANK
BLANK	BLANK	BLANK

HEAVY BOMBER AND FORMER HEAVY BOMBER STATIC DISPLAYS:

NAME/LOCATION	BOMBER TYPE	NUMBER
MONINO	BISON	1
	BEAR A	1
SYZRAN'	BISON A	1
RYAZAN'	BISON A	1
ZHUKOVSKIY	BISON A	1
UKRAINKA	BISON A	1

2. FOR EACH PARTY, THE HEAVY BOMBERS AND FORMER HEAVY BOMBERS CONVERTED FOR USE AS GROUND TRAINERS IN EXISTENCE AT THE TIME OF SIGNATURE OF THE TREATY THAT ARE NOT SUBJECT TO THE LIMITATIONS PROVIDED FOR IN SUBPARAGRAPH 7(B) OF ARTICLE IV OF THE TREATY ARE AS FOLLOWS:

	BOMBER TYPE	NUMBER
MONINO	BEAR H	1

3. FOR EACH PARTY, THE FACILITIES SUBJECT TO CONTINUOUS MONITORING ARE AS FOLLOWS:

VOTKINSK MACHINE BUILDING PLANT
VOTKINSK

4. FOR EACH PARTY, THE MONITORED FACILITIES ARE AS FOLLOWS:
NONE

NAME/LOCATION:
BLANK

5. FOR EACH PARTY, ALL PRODUCTION AND STORAGE LOCATIONS OF SOLID ROCKET MOTORS FOR THE FIRST STAGE OF AN ICBM FOR MOBILE LAUNCHERS OF ICBMS, SUBJECT TO THE LIMITATIONS CONTAINED IN PARAGRAPH 10 OF ARTICLE IV OF THE TREATY, ARE AS FOLLOWS:

BIYSK
KAMENSK-SHAKHTINSKIY

6. FOR EACH PARTY, THE TESTING LOCATIONS OF SOLID ROCKET MOTORS FOR THE FIRST STAGE (WITH OR WITHOUT NOZZLES ATTACHED) OF AN ICBM FOR MOBILE LAUNCHERS OF ICBMS, SUBJECT TO THE LIMITATIONS CONTAINED IN PARAGRAPH 10 OF ARTICLE IV OF THE TREATY, ARE AS FOLLOWS:

KRASNOARMEYSK
 PERM'-1
 PERM'-2
 KEMEROVO

7. FOR EACH PARTY, THE LOCATIONS WHERE STATIC TESTING OCCURS FOR FIRST STAGES OF ICBMS OR SLBMS NOT SUBJECT TO THE LIMITATIONS CONTAINED IN SUBPARAGRAPH 1(A) OF ARTICLE IV OF THE TREATY, FOR MISSILES THAT ARE MAINTAINED, STORED, AND TRANSPORTED AS ASSEMBLED MISSILES IN LAUNCH CANISTERS OR WITHOUT LAUNCH CANISTERS PURSUANT TO SUBPARAGRAPHS 3(B) AND 3(C) OF ARTICLE III OF THE TREATY, AS APPLICABLE, ARE AS FOLLOWS:

NONE

NAME/LOCATION
 BLANK

8. TO EACH PARTY, ICBMS, SLBMS, SUBMARINES, HEAVY BOMBERS, FORMER HEAVY BOMBERS, OTHER AIRPLANES, ALCMS, AND, WHERE APPLICABLE, VARIANTS REFERRED TO IN THE TREATY AND ITS ANNEXES, PROTOCOLS, AND MEMORANDUM ARE KNOWN AS FOLLOWS:

IN THE U.S.	IN RUSSIA
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ICBMS:

SS-11	RS-10
SS-13	RS-12
SS-25	RS-12M
SS-17	RS-16
SS-19	RS-18
SS-18	RS-20
SS-24	RS-22
MINUTEMAN II	MINUTEMAN-II
MINUTEMAN III	MINUTEMAN-III
PEACEKEEPER	MX
SICBM	MIDGETMAN

SLBMS:

SS-N-6	RSM-25
SS-N-8	RSM-40
SS-N-18	RSM-50
SS-N-20	RSM-52
SS-N-23	RSM-54
BLANK	RSM-56
TRIDENT I	TRIDENT-I
TRIDENT II	TRIDENT-II
POSEIDON	POSEIDON

IN THE U.S.

IN RUSSIA

SUBMARINES :

DELTA I	MURENA
DELTA II	MURENA-M
DELTA III	KAL'MAR
DELTA IV	DEL'FIN
YANKEE I	NAVAGA
YANKEE II	NAVAGA-M
TYPHOON	TYPHOON
BLANK	KASATKA
BENJAMIN FRANKLIN	BENJAMIN FRANKLIN
JAMES MADISON	JAMES MADISON
LAFAYETTE	LAFAYETTE
OHIO	OHIO

HEAVY BOMBERS :

BLACKJACK	TU-160
BEAR	TU-95
BEAR B	TU-95K
BEAR G	TU-95K22
BEAR A	TU-95M
BEAR H	TU-95MS
BEAR H16	TU-95MS16
BEAR H6	TU-95MS6
BEAR T	TU-95U
B-1	B-1
B-1A	B-1A
B-1B	B-1B
B-2	B-2
B-2A	B-2A
B-52	B-52
B-52A	B-52A
B-52B	B-52B
B-52C	B-52C
B-52D	B-52D
B-52E	B-52E
B-52F	B-52F
B-52G	B-52G
B-52H	B-52H

IN THE U.S.

IN RUSSIA

FORMER HEAVY BOMBERS :

BISON	3M
BISON B	3MS-2
BISON A	M-4

	IN THE U.S.	IN RUSSIA
ALCMS:		
	AS-15A	RKV-500A
	AS-15B	RKV-500B
	AGM-129	AGM-129
	AGM-86B	AGM-86B
OTHER AIRPLANES:		
	AN-124	AN-124
	IL-62	IL-62
	IL-76	IL-76
	IL-96	IL-96
	BEAR F	TU-142
	BEAR D	TU-95RTs
	BEAR J	TU-142
	C-130	C-130
	C-141	C-141
	C-5	C-5
	C-9	C-9
	T-43	T-43

9. FOR EACH PARTY, THE POINTS OF ENTRY FOR INSPECTION SITES AND FACILITIES SUBJECT TO CONTINUOUS MONITORING OR MONITORED FACILITIES ARE AS FOLLOWS:

B) RUSSIAN FEDERATION

(I) INSPECTION SITES AND FACILITIES SUBJECT TO CONTINUOUS MONITORING OR MONITORED FACILITIES ASSOCIATED WITH POINT OF ENTRY MOSCOW:

ICBM BASES FOR SILO LAUNCHERS OF ICBMS:

BERSHET' (FORMER)
VYPOLZOVO (FORMER)
DOMBAROVSKIY
YOSHKAR-OLA (FORMER)
KARTALY (FORMER)
KOZEL'SK
TATISHCHEVO

ICBM BASES FOR ROAD-MOBILE LAUNCHERS OF ICBMS:

VYPOLZOVO
YOSHKAR-OLA
NIZHNIY TAGIL
TEYKOVO

ICBM BASES FOR RAIL-MOBILE LAUNCHERS OF ICBMS:

KOSTROMA

ICBM LOADING FACILITIES:

BERSHET'

STORAGE FACILITIES:

NENOKSA
OKOL'NAYA
PIBAN'SHUR
PIBAN'SHUR
REVDA
SUROVATIKHA
KHRIZOLITOVYY
PLESETSK
ZNAMENKA

TEST RANGES:

NENOKSA
PLESETSK
KAPUSTIN YAR
YUR'YA

TRAINING FACILITIES:

BALABANOVO
GORYACHIY KLYUCH (FORMER)
PERM' (FORMER)
ROSTOV
SERPUKHOV

CONVERSION OR ELIMINATION FACILITIES:

PIBAN'SHUR
ENGEL'S
BRYANSK
BERSHET'
VOTKINSK

PRODUCTION FACILITIES:

VOTKINSK MACHINE BUILDING PLANT
VOTKINSK

REPAIR FACILITIES FOR MOBILE LAUNCHERS OF ICBMS:

BATAYSK (FORMER)

SUBMARINE BASES:

NERPICH'YA
OLEN'YA (FORMER)
OSTROVNOY (FORMER)
YAGEL'NAYA

SLBM LOADING FACILITIES:

OKOL'NAYA
SEVERODVINSK

SLBM REPAIR FACILITIES:

SEVERODVINSK

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR LONG-RANGE
NUCLEAR ALCMS:

ENGEL'S
RYAZAN'

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR NUCLEAR
ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS:

NONE

NAME/LOCATION
BLANK

- (II) INSPECTION SITES AND FACILITIES SUBJECT TO CONTINUOUS
MONITORING OR MONITORED FACILITIES ASSOCIATED WITH
POINT OF ENTRY ULAN-UDE:

ICBM BASES FOR SILO LAUNCHERS OF ICBMS:

ALEYSK (FORMER)
DROVYANAYA (FORMER)
KRASNOYARSK (FORMER)
UZHUR

ICBM BASES FOR ROAD-MOBILE LAUNCHERS OF ICBMS:

BARNAUL
DROVYANAYA
IRKUTSK
KANSK
NOVOSIBIRSK

ICBM BASE FOR RAIL-MOBILE LAUNCHERS OF ICBMS:

KRASNOYARSK

CONVERSION OR ELIMINATION FACILITIES:

PASHINO

SUBMARINE BASES:

PAVLOVSKOYE
RYBACHIY

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR LONG-RANGE
NUCLEAR ALCMS:

UKRAINKA

10. THE ROUTES FOR FLIGHTS OF INSPECTION AIRPLANES TO POINTS OF ENTRY ARE AS FOLLOWS:

A. FOR FLIGHTS OF INSPECTION AIRPLANES OF THE U.S.A. TO RUSSIA:

ROUTE TO POINT OF ENTRY

TO MOSCOW (DIRECT ROUTE):
IGORO, G3, FK, UM

TO ULAN-UDE (DIRECT ROUTE):
AVGOK, R211, TH, G73, UIAA, A45, RINOP, A809, BULEL

ROUTE FROM POINT OF ENTRY:

FROM MOSCOW (DIRECT ROUTE):
AR, BG, R805, TU, R11, OPOKA

FROM ULAN-UDE:
KUMAT, A809, RINOP, A45, UIAA, G73, TH, R211, LANEP,
B358, IGROD

11. FOR EACH PARTY, FACILITIES SUBJECT TO SUSPECT SITE INSPECTIONS:

ZLATOUST	POINT OF ENTRY MOSCOW
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ANNEX I FOOTNOTES: NONE

SUBJECT: NOTIFICATION OF UPDATED DATA IN THE MEMORANDUM OF UNDERSTANDING, AFTER THE EXPIRATION OF EACH SIX-MONTH PERIOD

NOTE: FOR THE PURPOSES OF THIS MEMORANDUM, THE WORD "DASH" IS USED TO DENOTE THAT THE ENTRY IS NOT APPLICABLE IN SUCH CASE. THE WORD "BLANK" IS USED TO DENOTE THAT THIS DATA DOES NOT CURRENTLY EXIST, BUT WILL BE PROVIDED WHEN AVAILABLE.

I. NUMBERS OF WARHEADS AND THROW-WEIGHT VALUES ATTRIBUTED TO DEPLOYED ICBMS AND DEPLOYED SLBMS, AND NUMBERS OF WARHEADS ATTRIBUTED TO DEPLOYED HEAVY BOMBERS:

1. THE FOLLOWING ARE NUMBERS OF WARHEADS AND THROW-WEIGHT VALUES ATTRIBUTED TO DEPLOYED ICBMS AND DEPLOYED SLBMS OF EACH TYPE EXISTING AS OF THE DATE OF SIGNATURE OF THE TREATY OR SUBSEQUENTLY DEPLOYED. IN THIS CONNECTION, IN CASE OF A CHANGE IN THE INITIAL VALUE OF THROW-WEIGHT OR THE NUMBER OF WARHEADS, RESPECTIVELY, DATA SHALL BE INCLUDED IN THE "CHANGED VALUE" COLUMN:

		THROW-WEIGHT (KG)		NUMBER OF WARHEADS	
		INITIAL VALUE	CHANGED VALUE	INITIAL VALUE	CHANGED VALUE
(I)	INTERCONTINENTAL BALLISTIC MISSILES				
	MINUTEMAN II (MM-II)	800		1	
	MINUTEMAN III (MM-III)	1150		3	1
	PEACEKEEPER (PK)	3950		10	8
(II)	SUBMARINE-LAUNCHED BALLISTIC MISSILES				
	POSEIDON	2000		10	
	TRIDENT I	1500		8	6
	TRIDENT II	2800		8	

2. THE FOLLOWING ARE NUMBERS OF WARHEADS ATTRIBUTED TO
DEPLOYED HEAVY BOMBERS:

NUMBER OF WARHEADS

HEAVY BOMBER TYPE AND VARIANT
OF A TYPE EQUIPPED FOR
LONG-RANGE NUCLEAR ALCMS

UP TO A TOTAL OF 150
SUCH HEAVY BOMBERS

B-52G	10
B-52H	10

IN EXCESS OF 150
SUCH HEAVY BOMBERS
NONE

HEAVY BOMBER TYPE AND VARIANT
OF A TYPE EQUIPPED FOR NUCLEAR
ARMAMENTS OTHER THAN LONG-RANGE
NUCLEAR ALCMS

B-1	1
B-2	1
B-52G	1

II. AGGREGATE NUMBERS

FOR EACH PARTY, THE DATA ON AGGREGATE NUMBERS OF STRATEGIC OFFENSIVE ARMS ARE AS FOLLOWS:

DEPLOYED ICBMS AND THEIR ASSOCIATED LAUNCHERS, DEPLOYED SLBMS AND THEIR ASSOCIATED LAUNCHERS, AND DEPLOYED HEAVY BOMBERS 1188

WARHEADS ATTRIBUTED TO DEPLOYED ICBMS, DEPLOYED SLBMS, AND DEPLOYED HEAVY BOMBERS 5916

WARHEADS ATTRIBUTED TO DEPLOYED ICBMS AND DEPLOYED SLBMS 4864

THROW-WEIGHT OF DEPLOYED ICBMS AND DEPLOYED SLBMS (MT) 1857.30

(i) ICBMS AND ICBM LAUNCHERS

	ICBM TYPE				TOTAL
	MM-II	MM-III	PK FOR RAIL-MOBILE LAUNCHER	PK FOR SILO LAUNCHER	
DEPLOYED ICBMS AND THEIR ASSOCIATED LAUNCHERS	0	500	DASH	50	550
DEPLOYED HEAVY ICBMS AND THEIR ASSOCIATED LAUNCHERS	DASH	DASH	DASH	DASH	DASH
WARHEADS ATTRIBUTED TO DEPLOYED ICBMS	0	1200	DASH	400	1600
WARHEADS ATTRIBUTED TO DEPLOYED ICBMS ON MOBILE LAUNCHERS OF ICBMS	DASH	DASH	DASH	DASH	DASH
WARHEADS ATTRIBUTED TO DEPLOYED HEAVY ICBMS	DASH	DASH	DASH	DASH	DASH
THROW-WEIGHT OF DEPLOYED ICBMS (MT)	0.00	575.00	DASH	197.50	772.50

(ii) SLBMS AND SLBM LAUNCHERS

	SLBM TYPE			TOTAL
	POSEIDON	TRIDENT I	TRIDENT II	
DEPLOYED SLBMS AND THEIR ASSOCIATED LAUNCHERS	0	96	336	432
WARHEADS ATTRIBUTED TO DEPLOYED SLBMS	0	576	2688	3264
THROW-WEIGHT OF DEPLOYED SLBMS (MT)	0.00	144.00	940.80	1084.80

(iii) HEAVY BOMBERS

	BOMBER TYPE			TOTAL
	B-1	B-2	B-52	
DEPLOYED HEAVY BOMBERS	47	18	141	206
HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	0	0	94	94
HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	47	18	47	112
WARHEADS ATTRIBUTED TO DEPLOYED HEAVY BOMBERS	47	18	987	1052
WARHEADS ATTRIBUTED TO DEPLOYED HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	0	0	940	940
WARHEADS ATTRIBUTED TO DEPLOYED HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	47	18	47	112

III. AGGREGATE NUMBERS OF DEPLOYED ICBMS OR SLBMS TO WHICH A REDUCED NUMBER OF WARHEADS IS ATTRIBUTED.

FOR EACH PARTY, THE DATA ON ICBM BASES OR SUBMARINE BASES AND ON AGGREGATE NUMBERS OF ICBMS OR SLBMS OF EXISTING TYPES TYPES DEPLOYED AT THOSE BASES, ON WHICH THE NUMBER OF WARHEADS ATTRIBUTED IS REDUCED PURSUANT TO PARAGRAPH 5 OF ARTICLE III OF THE TREATY, ARE AS FOLLOWS:

A) FOR UNITED STATES OF AMERICA:

	U.S.:	
	MM III	
DEPLOYED ICBMS OR SLBMS ON WHICH THE NUMBER OF WARHEADS IS REDUCED	150	
WARHEADS ATTRIBUTED TO EACH DEPLOYED ICBM OR SLBM AFTER REDUCTION IN THE NUMBER OF WARHEADS ON IT	1	
NUMBER OF WARHEADS BY WHICH THE ORIGINAL ATTRIBUTION FOR EACH ICBM OR SLBM WAS REDUCED	2	
AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED ICBMS OR SLBMS OF THAT TYPE	300	
	FIRST AND SECOND TYPE OF ICBM OR SLBM	
	PK FOR SILO LAUNCHER	TRIDENT I
DEPLOYED ICBMS OR SLBMS ON WHICH THE NUMBER OF WARHEADS IS REDUCED	50	96
WARHEADS ATTRIBUTED TO EACH DEPLOYED ICBM OR SLBM AFTER REDUCTION IN THE NUMBER OF WARHEADS ON IT	8	6
NUMBER OF WARHEADS BY WHICH THE ORIGINAL ATTRIBUTION FOR EACH ICBM OR SLBM WAS REDUCED	2	2

	FIRST AND SECOND TYPE OF ICBM OR SLBM	
	PK FOR SILO LAUNCHER	TRIDENT I
AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED ICBMS OR SLBMS OF THAT TYPE	100	192
AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED ICBMS AND SLBMS, EXCLUDING THE MM-III ICBMS: 292		
AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED ICBMS AND SLBMS, INCLUDING THE MM-III ICBMS: 592		
ICBM BASES AT WHICH THE NUMBER OF WARHEADS ON DEPLOYED ICBM IS REDUCED		
NAME/LOCATION: F.E. WARREN MISSILE COMPLEX, WYOMING		
	ICBM TYPE ON WHICH THE NUMBER OF WARHEADS IS REDUCED	
	MM-III	PK FOR SILO LAUNCHER
DEPLOYED ICBMS ON WHICH THE NUMBER OF WARHEADS IS REDUCED	150	50
WARHEADS ATTRIBUTED TO EACH DEPLOYED ICBM AFTER REDUCTION IN THE NUMBER OF WARHEADS ON IT	1	8
NUMBER OF WARHEADS BY WHICH THE ORIGINAL ATTRIBUTION OF WARHEADS FOR EACH ICBM WAS REDUCED	2	2
AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED ICBM OF THAT TYPE	300	100

SLBM BASES AT WHICH THE NUMBER OF WARHEADS ON DEPLOYED SLBM IS REDUCED

NAME/LOCATION: STRATEGIC WEAPONS FACILITY ATLANTIC
KINGS BAY, GEORGIA

SLBM TYPE ON WHICH
THE NUMBER OF
WARHEADS IS
REDUCED

TRIDENT
I

DEPLOYED SLBMS ON WHICH THE NUMBER OF WARHEADS IS REDUCED	48
WARHEADS ATTRIBUTED TO EACH DEPLOYED SLBM AFTER REDUCTION IN THE NUMBER OF WARHEADS ON IT	6
NUMBER OF WARHEADS BY WHICH THE ORIGINAL ATTRIBUTION OF WARHEADS FOR EACH SLBM WAS REDUCED	2
AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED SLBM OF THAT TYPE	96

NAME/LOCATION: STRATEGIC WEAPONS FACILITY PACIFIC
SILVERDALE, WASHINGTON

SLBM TYPE ON WHICH
THE NUMBER OF
WARHEADS IS
REDUCED

TRIDENT
I

DEPLOYED SLBMS ON WHICH THE NUMBER OF WARHEADS IS REDUCED	48
WARHEADS ATTRIBUTED TO EACH DEPLOYED SLBM AFTER REDUCTION IN THE NUMBER OF WARHEADS ON IT	6
NUMBER OF WARHEADS BY WHICH THE ORIGINAL ATTRIBUTION OF WARHEADS FOR EACH SLBM WAS REDUCED	2
AGGREGATE REDUCTION IN THE NUMBER OF WARHEADS ATTRIBUTED TO DEPLOYED SLBM OF THAT TYPE	96

IV. ADDITIONAL AGGREGATE NUMBERS

FOR EACH PARTY, ADDITIONAL AGGREGATE NUMBERS RELATED TO THE LIMITATIONS PROVIDED FOR IN THE TREATY ARE AS FOLLOWS:

NON-DEPLOYED ICBMS FOR MOBILE LAUNCHERS OF ICBMS (SEE FOOTNOTE NUMBER ONE)	74
NON-DEPLOYED ICBMS FOR RAIL-MOBILE LAUNCHERS OF ICBMS (SEE FOOTNOTE NUMBER ONE)	74
ICBMS AND SLBMS AT TEST RANGES	3
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS	DASH
NON-DEPLOYED RAIL-MOBILE LAUNCHERS OF ICBMS	DASH
TEST LAUNCHERS	10
MOBILE TEST LAUNCHERS	DASH
FIXED TEST LAUNCHERS	10
TRAINING LAUNCHERS	7
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS AT TRAINING FACILITIES	DASH
TRANSPORTER-LOADERS FOR ICBMS FOR ROAD-MOBILE LAUNCHERS OF ICBMS	DASH
STORAGE FACILITIES FOR ICBMS OR SLBMS AND REPAIR FACILITIES FOR ICBMS OR SLBMS	5
SPACE LAUNCH FACILITIES	2
LAUNCHERS, AT SPACE LAUNCH FACILITIES, THAT HAVE CONTAINED OR LAUNCHED ICBMS OR SLBMS	8
ICBMS AND SLBMS AT SPACE LAUNCH FACILITIES	0
FORMER HEAVY BOMBERS	DASH
HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS	32

TRAINING HEAVY BOMBERS	DASH
HEAVY BOMBERS AND FORMER HEAVY BOMBERS CONVERTED FOR USE AS GROUND TRAINERS	1
TEST HEAVY BOMBERS	9
STATIC DISPLAYS:	
ICBM LAUNCHERS	4
ICBMS AND SLBMS	6
LAUNCH CANISTERS	DASH
HEAVY BOMBERS AND FORMER HEAVY BOMBERS	14

FOOTNOTES:

- [1] NON-DEPLOYED PEACEKEEPER ICBMS ARE REFLECTED IN THIS DATA ALTHOUGH PEACEKEEPER HAS NOT BEEN DEPLOYED IN A MOBILE MODE.

ANNEXES TO THE MEMORANDUM OF UNDERSTANDING

- ANNEX A ICBMS AND ICBM LAUNCHERS
- ANNEX B SLBMS AND SLBM LAUNCHERS
- ANNEX C HEAVY BOMBERS AND FORMER HEAVY BOMBERS
- ANNEX D SPACE LAUNCH FACILITIES
- ANNEX E ELIMINATED FACILITIES
- ANNEX F ICBM AND SLBM TECHNICAL DATA
- ANNEX G HEAVY BOMBER TECHNICAL DATA
- ANNEX H LONG-RANGE NUCLEAR ALCM TECHNICAL DATA
- ANNEX I OTHER DATA REQUIRED BY THE TREATY

ANNEX A. ICBMS AND ICBM LAUNCHERS

FOR EACH PARTY, THE NUMBERS OF DEPLOYED ICBMS AND THEIR ASSOCIATED LAUNCHERS, NON-DEPLOYED ICBMS, NON-DEPLOYED LAUNCHERS OF ICBMS, FIXED STRUCTURES FOR MOBILE LAUNCHERS OF ICBMS, AND SUPPORT EQUIPMENT, AS WELL AS DATA ON RELATED FACILITIES, ARE AS FOLLOWS:

	ICBM TYPE	
	MM-II	MM-III
DEPLOYED ICBMS AND THEIR ASSOCIATED LAUNCHERS	0	500
DEPLOYED ICBMS	0	451
DEPLOYED LAUNCHERS OF ICBMS	0	500
NON-DEPLOYED ICBMS FOR MOBILE LAUNCHERS OF ICBMS	DASH	DASH
NON-DEPLOYED ICBMS AT TEST RANGES	0	2
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS	DASH	DASH
TEST LAUNCHERS	2	6
TRAINING LAUNCHERS	0	5
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS AT TRAINING FACILITIES	DASH	DASH
TRANSPORTER-LOADERS FOR ICBMS FOR ROAD-MOBILE LAUNCHERS OF ICBMS	DASH	DASH
ICBM LAUNCHER STATIC DISPLAYS	2	1
ICBM STATIC DISPLAYS	2	1
LAUNCH CANISTER STATIC DISPLAYS	DASH	DASH

	ICBM TYPE	
	PK FOR RAIL-MOBILE LAUNCHER	PK FOR SILO LAUNCHER
DEPLOYED ICBMS AND THEIR ASSOCIATED LAUNCHERS	DASH	50
DEPLOYED ICBMS	DASH	0
DEPLOYED LAUNCHERS OF ICBMS	DASH	50
NON-DEPLOYED ICBMS FOR MOBILE LAUNCHERS OF ICBMS (SEE ANNEX A FOOTNOTE NUMBER ONE)	74	DASH
NON-DEPLOYED ICBMS AT TEST RANGES (SEE ANNEX A FOOTNOTE NUMBER ONE)	1	0
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS	DASH	DASH
TEST LAUNCHERS (SEE ANNEX A FOOTNOTE NUMBER TWO)	DASH	1
TRAINING LAUNCHERS	DASH	2
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS AT TRAINING FACILITIES	DASH	DASH
TRANSPORTER-LOADERS FOR ICBMS FOR ROAD- MOBILE LAUNCHERS OF ICBMS	DASH	DASH
ICBM LAUNCHER STATIC DISPLAYS	1	0
ICBM STATIC DISPLAYS	DASH	2
LAUNCH CANISTER STATIC DISPLAYS	DASH	DASH

	TOTAL
DEPLOYED ICBMS AND THEIR ASSOCIATED LAUNCHERS	550
DEPLOYED ICBMS	451
DEPLOYED LAUNCHERS OF ICBMS	550
NON-DEPLOYED ICBMS FOR MOBILE LAUNCHERS OF ICBMS (SEE ANNEX A FOOTNOTE NUMBER ONE)	74
NON-DEPLOYED ICBMS AT TEST RANGES (SEE ANNEX A FOOTNOTE NUMBER ONE)	3
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS	DASH
TEST LAUNCHERS (SEE ANNEX A FOOTNOTE NUMBER TWO)	10
TRAINING LAUNCHERS	7
NON-DEPLOYED MOBILE LAUNCHERS OF ICBMS AT TRAINING FACILITIES	DASH
TRANSPORTER-LOADERS FOR ICBMS FOR ROAD-MOBILE LAUNCHERS OF ICBMS	DASH
ICBM LAUNCHER STATIC DISPLAYS	4
ICBM STATIC DISPLAYS	5
LAUNCH CANISTER STATIC DISPLAYS	DASH
STORAGE FACILITIES FOR ICBMS AND REPAIR FACILITIES FOR ICBMS	TOTAL NUMBER 2

ICBM BASE FOR SILO LAUNCHERS OF ICBMS:

NAME/LOCATION: ELLSWORTH MISSILE COMPLEX, SOUTH DAKOTA

	ICBM TYPE
DEPLOYED ICBMS	NONE
DEPLOYED SILO LAUNCHERS OF ICBMS	NONE

MAINTENANCE FACILITY:

NAME/LOCATION: ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA

	ICBM TYPE
NON-DEPLOYED ICBMS	NONE
TRAINING MODELS OF MISSILES	NONE
ICBM EMPLACEMENT EQUIPMENT (SEE ANNEX A FOOTNOTE NUMBER THREE)	NONE
SILO TRAINING LAUNCHERS	NONE

ICBM BASE FOR SILO LAUNCHERS OF ICBMS:

NAME/LOCATION: F.E. WARREN MISSILE COMPLEX, WYOMING

	ICBM TYPE	
	MM-III	PK FOR SILO LAUNCHER
DEPLOYED ICBMS	150	0
DEPLOYED SILO LAUNCHERS OF ICBMS	150	50

LAUNCHER GROUP: ALPHA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

A-1

SILO LAUNCHERS	ICBM TYPE
A-2	MM-III
A-3	MM-III
A-4	MM-III
A-5	MM-III
A-6	MM-III
A-7	MM-III
A-8	MM-III
A-9	MM-III
A-10	MM-III
A-11	MM-III

LAUNCHER GROUP: BRAVO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

B-1

SILO LAUNCHERS	ICBM TYPE
B-2	MM-III
B-3	MM-III
B-4	MM-III
B-5	MM-III
B-6	MM-III
B-7	MM-III
B-8	MM-III
B-9	MM-III
B-10	MM-III
B-11	MM-III

LAUNCHER GROUP: CHARLIE

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

C-1

SILO LAUNCHERS	ICBM TYPE
C-2	MM-III
C-3	MM-III
C-4	MM-III
C-5	MM-III
C-6	MM-III
C-7	MM-III
C-8	MM-III
C-9	MM-III
C-10	MM-III
C-11	MM-III

LAUNCHER GROUP: DELTA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

D-1

SILO LAUNCHERS	ICBM TYPE
D-2	MM-III
D-3	MM-III
D-4	MM-III
D-5	MM-III
D-6	MM-III
D-7	MM-III
D-8	MM-III
D-9	MM-III
D-10	MM-III
D-11	MM-III

LAUNCHER GROUP: ECHO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

E-1

SILO LAUNCHERS	ICBM TYPE
E-2	MM-III
E-3	MM-III
E-4	MM-III
E-5	MM-III
E-6	MM-III
E-7	MM-III
E-8	MM-III
E-9	MM-III
E-10	MM-III
E-11	MM-III

LAUNCHER GROUP: FOXTROT

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

F-1

SILO LAUNCHERS	ICBM TYPE
F-2	MM-III
F-3	MM-III
F-4	MM-III
F-5	MM-III
F-6	MM-III
F-7	MM-III
F-8	MM-III
F-9	MM-III
F-10	MM-III
F-11	MM-III

LAUNCHER GROUP: GOLF

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

G-1

SILO LAUNCHERS	ICBM TYPE
G-2	MM-III
G-3	MM-III
G-4	MM-III
G-5	MM-III
G-6	MM-III
G-7	MM-III
G-8	MM-III
G-9	MM-III
G-10	MM-III
G-11	MM-III

LAUNCHER GROUP: HOTEL

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

H-1

SILO LAUNCHERS	ICBM TYPE
H-2	MM-III
H-3	MM-III
H-4	MM-III
H-5	MM-III
H-6	MM-III
H-7	MM-III
H-8	MM-III
H-9	MM-III
H-10	MM-III
H-11	MM-III

LAUNCHER GROUP: INDIA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

I-1

SILO LAUNCHERS	ICBM TYPE
I-2	MM-III
I-3	MM-III
I-4	MM-III
I-5	MM-III
I-6	MM-III
I-7	MM-III
I-8	MM-III
I-9	MM-III
I-10	MM-III
I-11	MM-III

LAUNCHER GROUP: JULIET

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

J-1

SILO LAUNCHERS	ICBM TYPE
J-2	MM-III
J-3	MM-III
J-4	MM-III
J-5	MM-III
J-6	MM-III
J-7	MM-III
J-8	MM-III
J-9	MM-III
J-10	MM-III
J-11	MM-III

LAUNCHER GROUP: KILO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

K-1

SILO LAUNCHERS	ICBM TYPE
K-2	MM-III
K-3	MM-III
K-4	MM-III
K-5	MM-III
K-6	MM-III
K-7	MM-III
K-8	MM-III
K-9	MM-III
K-10	MM-III
K-11	MM-III

LAUNCHER GROUP: LIMA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

L-1

SILO LAUNCHERS	ICBM TYPE
L-2	MM-III
L-3	MM-III
L-4	MM-III
L-5	MM-III
L-6	MM-III
L-7	MM-III
L-8	MM-III
L-9	MM-III
L-10	MM-III
L-11	MM-III

LAUNCHER GROUP: MIKE

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

M-1

SILO LAUNCHERS	ICBM TYPE
M-2	MM-III
M-3	MM-III
M-4	MM-III
M-5	MM-III
M-6	MM-III
M-7	MM-III
M-8	MM-III
M-9	MM-III
M-10	MM-III
M-11	MM-III

LAUNCHER GROUP: NOVEMBER

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

N-1

SILO LAUNCHERS	ICBM TYPE
N-2	MM-III
N-3	MM-III
N-4	MM-III
N-5	MM-III
N-6	MM-III
N-7	MM-III
N-8	MM-III
N-9	MM-III
N-10	MM-III
N-11	MM-III

LAUNCHER GROUP: OSCAR

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

O-1

SILO LAUNCHERS	ICBM TYPE
O-2	MM-III
O-3	MM-III
O-4	MM-III
O-5	MM-III
O-6	MM-III
O-7	MM-III
O-8	MM-III
O-9	MM-III
O-10	MM-III
O-11	MM-III

LAUNCHER GROUP: PAPA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

P-1

SILO LAUNCHERS	ICBM TYPE
P-2	PK
P-3	PK
P-4	PK
P-5	PK
P-6	PK
P-7	PK
P-8	PK
P-9	PK
P-10	PK
P-11	PK

LAUNCHER GROUP: QUEBEC

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

Q-1

SILO LAUNCHERS	ICBM TYPE
Q-2	PK
Q-3	PK
Q-4	PK
Q-5	PK
Q-6	PK
Q-7	PK
Q-8	PK
Q-9	PK
Q-10	PK
Q-11	PK

LAUNCHER GROUP: ROMEO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

R-1

SILO LAUNCHERS	ICBM TYPE
R-2	PK
R-3	PK
R-4	PK
R-5	PK
R-6	PK
R-7	PK
R-8	PK
R-9	PK
R-10	PK
R-11	PK

LAUNCHER GROUP: SIERRA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

S-1

SILO LAUNCHERS	ICBM TYPE
S-2	PK
S-3	PK
S-4	PK
S-5	PK
S-6	PK
S-7	PK
S-8	PK
S-9	PK
S-10	PK
S-11	PK

LAUNCHER GROUP: TANGO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

T-1

SILO LAUNCHERS	ICBM TYPE
T-2	PK
T-3	PK
T-4	PK
T-5	PK
T-6	PK
T-7	PK
T-8	PK
T-9	PK
T-10	PK
T-11	PK

MAINTENANCE FACILITY:

NAME/LOCATION: F.E. WARREN AIR FORCE BASE, WYOMING

	ICBM TYPE	
	MM-III	PK FOR SILO LAUNCHER
NON-DEPLOYED ICBMS	0	DASH
TRAINING MODELS OF MISSILES	1	1
ICBM EMPLACEMENT EQUIPMENT	6	0
SILO TRAINING LAUNCHERS	1	1
	MM-III PK	

ICBM BASE FOR SILO LAUNCHERS OF ICBMS:

NAME/LOCATION: MALMSTROM MISSILE COMPLEX, MONTANA

	ICBM TYPE
	MM-III
DEPLOYED ICBMS	151
DEPLOYED SILO LAUNCHERS OF ICBMS	200

LAUNCHER GROUP: ALPHA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

A-1

SILO LAUNCHERS	ICBM TYPE
A-2	MM-III
A-3	MM-III
A-4	MM-III
A-5	MM-III
A-6	MM-III
A-7	MM-III
A-8	MM-III
A-9	MM-III
A-10	MM-III
A-11	MM-III

LAUNCHER GROUP: BRAVO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

B-1

SILO LAUNCHERS	ICBM TYPE
B-2	MM-III
B-3	MM-III
B-4	MM-III
B-5	MM-III
B-6	MM-III
B-7	MM-III
B-8	MM-III
B-9	MM-III
B-10	MM-III
B-11	MM-III

LAUNCHER GROUP: CHARLIE

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

C-1

SILO LAUNCHERS	ICBM TYPE
C-2	MM-III
C-3	MM-III
C-4	MM-III
C-5	MM-III
C-6	MM-III
C-7	MM-III
C-8	MM-III
C-9	MM-III
C-10	MM-III
C-11	MM-III

LAUNCHER GROUP: DELTA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

D-1

SILO LAUNCHERS	ICBM TYPE
D-2	MM-III
D-3	MM-III
D-4	MM-III
D-5	MM-III
D-6	MM-III
D-7	MM-III
D-8	MM-III
D-9	MM-III
D-10	MM-III
D-11	MM-III

LAUNCHER GROUP: ECHO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

E-1

SILO LAUNCHERS	ICBM TYPE
E-2	MM-III
E-3	MM-III
E-4	MM-III
E-5	MM-III
E-6	MM-III
E-7	MM-III
E-8	MM-III
E-9	MM-III
E-10	MM-III
E-11	MM-III

LAUNCHER GROUP: FOXTROT

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

F-1

SILO LAUNCHERS	ICBM TYPE
F-2	MM-III
F-3	MM-III
F-4	MM-III
F-5	MM-III
F-6	MM-III
F-7	MM-III
F-8	MM-III
F-9	MM-III
F-10	MM-III
F-11	MM-III

LAUNCHER GROUP: GOLF

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

G-1

SILO LAUNCHERS	ICBM TYPE
G-2	MM-III
G-3	MM-III
G-4	MM-III
G-5	MM-III
G-6	MM-III
G-7	MM-III
G-8	MM-III
G-9	MM-III
G-10	MM-III
G-11	MM-III

LAUNCHER GROUP: HOTEL

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

H-1

SILO LAUNCHERS	ICBM TYPE
H-2	MM-III
H-3	MM-III
H-4	MM-III
H-5	MM-III
H-6	MM-III
H-7	MM-III
H-8	MM-III
H-9	MM-III
H-10	MM-III
H-11	MM-III

LAUNCHER GROUP: INDIA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

I-1

SILO LAUNCHERS	ICBM TYPE
I-2	MM-III
I-3	MM-III
I-4	MM-III
I-5	MM-III
I-6	MM-III
I-7	MM-III
I-8	MM-III
I-9	MM-III
I-10	MM-III
I-11	MM-III

LAUNCHER GROUP: JULIET

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

J-1

SILO LAUNCHERS	ICBM TYPE
J-2	MM-III
J-3	MM-III
J-4	MM-III
J-5	MM-III
J-6	MM-III
J-7	MM-III
J-8	MM-III
J-9	MM-III
J-10	MM-III
J-11	MM-III

LAUNCHER GROUP: KILO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

K-1

SILO LAUNCHERS	ICBM TYPE
K-2	MM-III
K-3	MM-III
K-4	MM-III
K-5	MM-III
K-6	MM-III
K-7	MM-III
K-8	MM-III
K-9	MM-III
K-10	MM-III
K-11	MM-III

LAUNCHER GROUP: LIMA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

L-1

SILO LAUNCHERS	ICBM TYPE
L-2	MM-III
L-3	MM-III
L-4	MM-III
L-5	MM-III
L-6	MM-III
L-7	MM-III
L-8	MM-III
L-9	MM-III
L-10	MM-III
L-11	MM-III

LAUNCHER GROUP: MIKE

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

M-1

SILO LAUNCHERS	ICBM TYPE
M-2	MM-III
M-3	MM-III
M-4	MM-III
M-5	MM-III
M-6	MM-III
M-7	MM-III
M-8	MM-III
M-9	MM-III
M-10	MM-III
M-11	MM-III

LAUNCHER GROUP: NOVEMBER

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

N-1

SILO LAUNCHERS	ICBM TYPE
N-2	MM-III
N-3	MM-III
N-4	MM-III
N-5	MM-III
N-6	MM-III
N-7	MM-III
N-8	MM-III
N-9	MM-III
N-10	MM-III
N-11	MM-III

LAUNCHER GROUP: OSCAR

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

O-1

SILO LAUNCHERS	ICBM TYPE
O-2	MM-III
O-3	MM-III
O-4	MM-III
O-5	MM-III
O-6	MM-III
O-7	MM-III
O-8	MM-III
O-9	MM-III
O-10	MM-III
O-11	MM-III

LAUNCHER GROUP: PAPA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

P-0

SILO LAUNCHERS	ICBM TYPE
P-1	MM-III
P-2	MM-III
P-3	MM-III
P-4	MM-III
P-5	MM-III
P-6	MM-III
P-7	MM-III
P-8	MM-III
P-9	MM-III
P-10	MM-III

LAUNCHER GROUP: QUEBEC

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

Q-0

SILO LAUNCHERS	ICBM TYPE
Q-11	MM-III
Q-12	MM-III
Q-13	MM-III
Q-14	MM-III
Q-15	MM-III
Q-16	MM-III
Q-17	MM-III
Q-18	MM-III
Q-19	MM-III
Q-20	MM-III

LAUNCHER GROUP: ROMEO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

R-0

SILO LAUNCHERS	ICBM TYPE
R-21	MM-III
R-22	MM-III
R-23	MM-III
R-24	MM-III
R-25	MM-III
R-26	MM-III
R-27	MM-III
R-28	MM-III
R-29	MM-III
R-30	MM-III

LAUNCHER GROUP: SIERRA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

S-0

SILO LAUNCHERS	ICBM TYPE
S-31	MM-III
S-32	MM-III
S-33	MM-III
S-34	MM-III
S-35	MM-III
S-36	MM-III
S-37	MM-III
S-38	MM-III
S-39	MM-III
S-40	MM-III

LAUNCHER GROUP: TANGO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

T-0

SILO LAUNCHERS	ICBM TYPE
T-41	MM-III
T-42	MM-III
T-43	MM-III
T-44	MM-III
T-45	MM-III
T-46	MM-III
T-47	MM-III
T-48	MM-III
T-49	MM-III
T-50	MM-III

MAINTENANCE FACILITY:

NAME/LOCATION: MALMSTROM AIR FORCE BASE, MONTANA

	ICBM TYPE
	MM-III
NON-DEPLOYED ICBMS	0
TRAINING MODELS OF MISSILES	1
ICBM EMPLACEMENT EQUIPMENT (SEE ANNEX A FOOTNOTE NUMBER THREE)	5
SILO TRAINING LAUNCHERS	1
	MM-III

ICBM BASE FOR SILO LAUNCHERS OF ICBMS:

NAME/LOCATION: MINOT MISSILE COMPLEX, NORTH DAKOTA

	ICBM TYPE
	MM-III
DEPLOYED ICBMS	150
DEPLOYED SILO LAUNCHERS OF ICBMS	150

LAUNCHER GROUP: ALPHA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

A-1

SILO LAUNCHERS	ICBM TYPE
A-2	MM-III
A-3	MM-III
A-4	MM-III
A-5	MM-III
A-6	MM-III
A-7	MM-III
A-8	MM-III
A-9	MM-III
A-10	MM-III
A-11	MM-III

LAUNCHER GROUP: BRAVO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

B-1

SILO LAUNCHERS	ICBM TYPE
B-2	MM-III
B-3	MM-III
B-4	MM-III
B-5	MM-III
B-6	MM-III
B-7	MM-III
B-8	MM-III
B-9	MM-III
B-10	MM-III
B-11	MM-III

LAUNCHER GROUP: CHARLIE

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

C-1

SILO LAUNCHERS	ICBM TYPE
C-2	MM-III
C-3	MM-III
C-4	MM-III
C-5	MM-III
C-6	MM-III
C-7	MM-III
C-8	MM-III
C-9	MM-III
C-10	MM-III
C-11	MM-III

LAUNCHER GROUP: DELTA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

D-1

SILO LAUNCHERS	ICBM TYPE
D-2	MM-III
D-3	MM-III
D-4	MM-III
D-5	MM-III
D-6	MM-III
D-7	MM-III
D-8	MM-III
D-9	MM-III
D-10	MM-III
D-11	MM-III

LAUNCHER GROUP: ECHO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

E-1

SILO LAUNCHERS	ICBM TYPE
E-2	MM-III
E-3	MM-III
E-4	MM-III
E-5	MM-III
E-6	MM-III
E-7	MM-III
E-8	MM-III
E-9	MM-III
E-10	MM-III
E-11	MM-III

LAUNCHER GROUP: FOXTROT

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

F-1

SILO LAUNCHERS	ICBM TYPE
F-2	MM-III
F-3	MM-III
F-4	MM-III
F-5	MM-III
F-6	MM-III
F-7	MM-III
F-8	MM-III
F-9	MM-III
F-10	MM-III
F-11	MM-III

LAUNCHER GROUP: GOLF

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

G-1

SILO LAUNCHERS	ICBM TYPE
G-2	MM-III
G-3	MM-III
G-4	MM-III
G-5	MM-III
G-6	MM-III
G-7	MM-III
G-8	MM-III
G-9	MM-III
G-10	MM-III
G-11	MM-III

LAUNCHER GROUP: HOTEL

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

H-1

SILO LAUNCHERS	ICBM TYPE
H-2	MM-III
H-3	MM-III
H-4	MM-III
H-5	MM-III
H-6	MM-III
H-7	MM-III
H-8	MM-III
H-9	MM-III
H-10	MM-III
H-11	MM-III

LAUNCHER GROUP: INDIA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

I-1

SILO LAUNCHERS	ICBM TYPE
I-2	MM-III
I-3	MM-III
I-4	MM-III
I-5	MM-III
I-6	MM-III
I-7	MM-III
I-8	MM-III
I-9	MM-III
I-10	MM-III
I-11	MM-III

LAUNCHER GROUP: JULIET

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

J-1

SILO LAUNCHERS	ICBM TYPE
J-2	MM-III
J-3	MM-III
J-4	MM-III
J-5	MM-III
J-6	MM-III
J-7	MM-III
J-8	MM-III
J-9	MM-III
J-10	MM-III
J-11	MM-III

LAUNCHER GROUP: KILO

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

K-1

SILO LAUNCHERS	ICBM TYPE
K-2	MM-III
K-3	MM-III
K-4	MM-III
K-5	MM-III
K-6	MM-III
K-7	MM-III
K-8	MM-III
K-9	MM-III
K-10	MM-III
K-11	MM-III

LAUNCHER GROUP: LIMA

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

L-1

SILO LAUNCHERS	ICBM TYPE
L-2	MM-III
L-3	MM-III
L-4	MM-III
L-5	MM-III
L-6	MM-III
L-7	MM-III
L-8	MM-III
L-9	MM-III
L-10	MM-III
L-11	MM-III

LAUNCHER GROUP: MIKE

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

M-1

SILO LAUNCHERS	ICBM TYPE
M-2	MM-III
M-3	MM-III
M-4	MM-III
M-5	MM-III
M-6	MM-III
M-7	MM-III
M-8	MM-III
M-9	MM-III
M-10	MM-III
M-11	MM-III

LAUNCHER GROUP: NOVEMBER

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

N-1

SILO LAUNCHERS	ICBM TYPE
N-2	MM-III
N-3	MM-III
N-4	MM-III
N-5	MM-III
N-6	MM-III
N-7	MM-III
N-8	MM-III
N-9	MM-III
N-10	MM-III
N-11	MM-III

LAUNCHER GROUP: OSCAR

SILOS USED AS LAUNCH
CONTROL CENTERS

NONE

OTHER LAUNCH CONTROL
CENTERS

O-1

SILO LAUNCHERS	ICBM TYPE
O-2	MM-III
O-3	MM-III
O-4	MM-III
O-5	MM-III
O-6	MM-III
O-7	MM-III
O-8	MM-III
O-9	MM-III
O-10	MM-III
O-11	MM-III

MAINTENANCE FACILITY:

NAME/LOCATION: MINOT AIR FORCE BASE, NORTH DAKOTA

	ICBM TYPE
	MM-III
NON-DEPLOYED ICBMS	0
TRAINING MODELS OF MISSILES	1
ICBM EMPLACEMENT EQUIPMENT (SEE ANNEX A FOOTNOTE NUMBER THREE)	6
SILO TRAINING LAUNCHERS	1
	MM-III

ICBM BASE FOR ROAD-MOBILE LAUNCHERS OF ICBMS:

NONE

ICBM BASE FOR RAIL-MOBILE LAUNCHERS OF ICBMS:

NONE

ICBM LOADING FACILITIES:

NONE

PRODUCTION FACILITIES FOR ICBMS:

NAME/LOCATION: THIOKOL CORPORATION,
PROMONTORY, UTAH

	ICBM TYPE	PK
	MM-III	FOR RAIL-MOBILE LAUNCHER
NON-DEPLOYED ICBMS (RETURNED)	4	6

PRODUCTION FACILITIES FOR MOBILE LAUNCHERS OF ICBMS:

NONE

STORAGE FACILITIES FOR ICBMS:

NAME/LOCATION: CAMP NAVAJO, ARIZONA

	ICBM TYPE
	MM-III
NON-DEPLOYED ICBMS	117
TRAINING MODELS OF MISSILES	0

STORAGE FACILITIES FOR MOBILE LAUNCHERS OF ICBMS:

NONE

REPAIR FACILITIES FOR ICBMS:

NAME/LOCATION: HILL AIR FORCE BASE, UTAH

	ICBM TYPE	
	MM-II	MM-III
NON-DEPLOYED ICBMS	0	55
TRAINING MODELS OF MISSILES	2	5

	ICBM TYPE	
	PK FOR RAIL-MOBILE LAUNCHER	PK FOR SILO LAUNCHER
NON-DEPLOYED ICBMS	63	DASH
TRAINING MODELS OF MISSILES	DASH	2
ENGINEERING MODELS OF SILOS (HILL AIR FORCE BASE ONLY)		

NUMBER: 3

REPAIR FACILITIES FOR MOBILE LAUNCHERS OF ICBMS:

NONE

TEST RANGES:

NAME/LOCATION: VANDENBERG AIR FORCE BASE, CALIFORNIA

	ICBM TYPE	
	MM-II	MM-III
NON-DEPLOYED ICBMS	0	2
TRAINING MODELS OF MISSILES	1	1
ICBM EMPLACEMENT EQUIPMENT (SEE ANNEX A FOOTNOTE NUMBER THREE)	0	4
TRANSPORTER-LOADERS	DASH	DASH
MOBILE TEST LAUNCHERS	DASH	DASH

	ICBM TYPE	
	PK FOR RAIL-MOBILE LAUNCHER	PK FOR SILO LAUNCHER
NON-DEPLOYED ICBMS	1	DASH
TRAINING MODELS OF MISSILES	DASH	1
ICBM EMPLACEMENT EQUIPMENT	DASH	0
TRANSPORTER-LOADERS	DASH	DASH
MOBILE TEST LAUNCHERS	DASH	DASH

	ICBM TYPE
	MM-II/ MM-III VERSION 2
NON-DEPLOYED ICBMS	DASH
TRAINING MODELS OF MISSILES	DASH
ICBM EMPLACEMENT EQUIPMENT (SEE ANNEX A FOOTNOTE NUMBER THREE)	0
TRANSPORTER-LOADERS	DASH
MOBILE TEST LAUNCHERS	DASH

FIXED TEST LAUNCHERS

SILO LAUNCHERS:	ICBM TYPE
LF6	MM-II
LF7	MM-II
LF4	MM-III
LF8	MM-III
LF9	MM-III
LF10	MM-III
LF25	MM-III
LF26	MM-III
LF5	PK

SOFT-SITE LAUNCHERS

SS-1

TRAINING FACILITIES:

NONE

STATIC DISPLAYS:

ICBM LAUNCHER STATIC DISPLAYS:	ICBM TYPE	NUMBER
NAME/LOCATION: ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA	MM-II	1
NAME/LOCATION: MINUTEMAN NATIONAL HISTORIC SITE	MM-II	1
NAME/LOCATION: NORTH DAKOTA MINUTEMAN HISTORICAL SITE	MM-III	1
NAME/LOCATION: UNITED STATES AIR FORCE MUSEUM WRIGHT-PATTERSON AIR FORCE BASE, OHIO	PK	1

ICBM STATIC DISPLAYS:	ICBM TYPE	NUMBER
NAME/LOCATION: ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA	MM-II	1
NAME/LOCATION: HILL AIR FORCE BASE, UTAH	PK	2
NAME/LOCATION: MINUTEMAN NATIONAL HISTORIC SITE	MM-II	1
NAME/LOCATION: PETERSON AIR FORCE BASE, COLORADO	MM-III	1

LAUNCH CANISTER STATIC DISPLAYS:

NONE

CONVERSION OR ELIMINATION FACILITIES:

NAME/LOCATION: OASIS COMPLEX, UTAH

	ICBM TYPE	
	MM-II	MM-III
NON-DEPLOYED ICBMS	0	91
NON-DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	DASH	DASH
NON-DEPLOYED RAIL-MOBILE LAUNCHERS OF ICBMS	DASH	DASH
TRAINING MODELS OF MISSILES	1	0
TRANSPORTER-LOADERS	DASH	DASH

	ICBM TYPE
	PK FOR RAIL-MOBILE LAUNCHER
NON-DEPLOYED ICBMS	4
NON-DEPLOYED ROAD-MOBILE LAUNCHERS OF ICBMS	DASH
NON-DEPLOYED RAIL-MOBILE LAUNCHERS OF ICBMS	DASH
TRAINING MODELS OF MISSILES	0
TRANSPORTER-LOADERS	DASH

ANNEX A FOOTNOTES:

- [1] NON-DEPLOYED PEACEKEEPER ICBMS ARE REFLECTED IN THIS DATA
ALTHOUGH PEACEKEEPER HAS NOT BEEN DEPLOYED IN A MOBILE MODE.
- [2] INCLUDES ONE SOFT-SITE LAUNCHER.
- [3] MINUTEMAN EMPLACEMENT EQUIPMENT CAPABLE OF LOADING MM-II
OR MM-III MISSILES.

ANNEX B. SLBMS AND SLBM LAUNCHERS

FOR EACH PARTY, THE NUMBERS OF DEPLOYED SLBMS AND THEIR ASSOCIATED LAUNCHERS, NON-DEPLOYED SLBMS, NON-DEPLOYED LAUNCHERS OF SLBMS, AS WELL AS DATA ON RELATED FACILITIES, ARE AS FOLLOWS:

	SLBM TYPE			TOTAL
	POSEIDON	TRIDENT I	TRIDENT II	
DEPLOYED SLBMS AND THEIR ASSOCIATED LAUNCHERS	0	96	336	432
DEPLOYED SLBMS (SEE ANNEX B FOOTNOTE NUMBERS ONE AND TWO)	0	96	336	432
DEPLOYED LAUNCHERS OF SLBMS	0	96	336	432
TEST LAUNCHERS	0	0	0	0
SLBM STATIC DISPLAYS	0	0	1	1
STORAGE FACILITIES FOR SLBMS AND REPAIR FACILITIES FOR SLBMS	TOTAL NUMBER			3

SUBMARINE BASE:

NAME/LOCATION: STRATEGIC WEAPONS FACILITY ATLANTIC
KINGS BAY, GEORGIA

	SLBM TYPE	
	TRIDENT I	TRIDENT II
DEPLOYED SLBMS (SEE ANNEX B FOOTNOTE NUMBER ONE)	48	144
DEPLOYED LAUNCHERS OF SLBMS	48	144
NON-DEPLOYED SLBMS	0	52

BALLISTIC MISSILE SUBMARINES BASED AT THIS SUBMARINE BASE:

NUMBER OF SUBMARINES/AGGREGATE NUMBER OF LAUNCHERS BY SLBM TYPE:

SUBMARINE TYPE:

	TRIDENT I	TRIDENT II
OHIO	2/48	6/144

NUMBER

STORAGE CRANES	DASH
MISSILE TENDERS	DASH

SUBMARINE BASE:

NAME/LOCATION: STRATEGIC WEAPONS FACILITY PACIFIC
SILVERDALE, WASHINGTON

	SLBM TYPE		
	POSEIDON	TRIDENT I	TRIDENT II
DEPLOYED SLBMS (SEE ANNEX B FOOTNOTE NUMBER TWO)	0	48	192
DEPLOYED LAUNCHERS OF SLBMS	0	48	192
NON-DEPLOYED SLBMS	DASH	0	5

BALLISTIC MISSILE SUBMARINES BASED AT THIS SUBMARINE BASE:

NUMBER OF SUBMARINES/AGGREGATE NUMBER OF LAUNCHERS BY SLBM TYPE:

SUBMARINE TYPE:

	POSEIDON	TRIDENT I	TRIDENT II
LAFAYETTE, JAMES MADISON, AND BENJAMIN FRANKLIN	NONE	NONE	NONE
OHIO	NONE	2/48	8/192

NUMBER

STORAGE CRANES

DASH

MISSILE TENDERS

DASH

SLBM LOADING FACILITIES:

NONE

PRODUCTION FACILITIES FOR SLBMS:

NAME/LOCATION: ALLIANT TECHSYSTEMS INC.,
BACCHUS WORKS,
MAGNA, UTAH

SLBM TYPE

	TRIDENT I	TRIDENT II
NON-DEPLOYED SLBMS (RETURNED)	4	2

NAME/LOCATION: COURTLAND MISSILE ASSEMBLY FACILITY, ALABAMA

SLBM TYPE

	TRIDENT I
NON-DEPLOYED SLBMS (RETURNED)	4

PRODUCTION FACILITIES FOR BALLISTIC MISSILE SUBMARINES:

NAME/LOCATION: GENERAL DYNAMICS CORPORATION,
ELECTRIC BOAT DIVISION
GROTON, CONNECTICUT

	SLBM TYPE	
	TRIDENT I	TRIDENT II
DEPLOYED SLBMS	0	0
DEPLOYED LAUNCHERS OF SLBMS	0	0

STORAGE FACILITIES FOR SLBMS:

NAME/LOCATION: CAMP NAVAJO DEPOT, BELLEMONT, ARIZONA

	SLBM TYPE	
	TRIDENT I	
NON-DEPLOYED SLBMS	149	

	NUMBER
STORAGE CRANES	DASH
MISSILE TENDERS	DASH

NAME/LOCATION: NAVAL AIR WARFARE CENTER
CHINA LAKE, CALIFORNIA

	SLBM TYPE	
	TRIDENT I	TRIDENT II
NON-DEPLOYED SLBMS	0	2

	NUMBER
STORAGE CRANES	DASH
MISSILE TENDERS	DASH

NAME/LOCATION: TEKOI TEST FACILITY
GOSHUTE INDIAN
RESERVATION, UTAH

SLBM TYPE

TRIDENT I	TRIDENT II
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NON-DEPLOYED SLBMS	0	0
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NUMBER

STORAGE CRANES	DASH
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MISSILE TENDERS	DASH
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REPAIR FACILITIES FOR SLBMS:

NONE

TEST RANGES:

NONE

TRAINING FACILITIES:

NAME/LOCATION: TRIDENT TRAINING FACILITY
KINGS BAY, GEORGIA

SLBM TYPE

TRIDENT II

TRAINING MODELS OF MISSILES	0
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NAME/LOCATION: TRIDENT TRAINING FACILITY BANGOR
SILVERDALE, WASHINGTON

SLBM TYPE

TRIDENT I

TRAINING MODELS OF MISSILES	0
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SLBM STATIC DISPLAYS	SLBM TYPE	NUMBER
NAME/LOCATION: OFFUTT AIR FORCE BASE, NEBRASKA	TRIDENT II	1

SLBM CONVERSION OR ELIMINATION FACILITIES:

NAME/LOCATION: OASIS COMPLEX, UTAH

	SLBM TYPE	
	TRIDENT I	TRIDENT II
NON-DEPLOYED SLBMS	0	0

SLBM LAUNCHER CONVERSION OR ELIMINATION FACILITIES:

NAME/LOCATION: CHARLESTON NAVAL SHIPYARD, SOUTH CAROLINA

	SLBM TYPE TRIDENT I
DEPLOYED LAUNCHERS OF SLBMS	0

NAME/LOCATION: PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON

	SLBM TYPE TRIDENT I
DEPLOYED LAUNCHERS OF SLBMS	0

ANNEX B FOOTNOTES:

- [1] FORTY-EIGHT (48) TRIDENT I SLBMS CONSIDERED DEPLOYED HERE ARE LOCATED AT OTHER FACILITIES AND REPORTED AS NON-DEPLOYED.
- [2] FORTY-EIGHT (48) TRIDENT I SLBMS CONSIDERED DEPLOYED HERE ARE LOCATED AT OTHER FACILITIES AND REPORTED AS NON-DEPLOYED.

ANNEX C. HEAVY BOMBERS AND FORMER HEAVY BOMBERS

FOR EACH PARTY, THE NUMBER OF HEAVY BOMBERS AND FORMER HEAVY BOMBERS, AS WELL AS DATA ON RELATED FACILITIES, ARE AS FOLLOWS:

	BOMBER TYPE		
	B-1	B-2	B-52
DEPLOYED HEAVY BOMBERS	47	18	141
HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	0	0	94
HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	47	18	47
HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS	32	0	0
TEST HEAVY BOMBERS	4	2	3
TRAINING HEAVY BOMBERS	DASH	DASH	DASH
FORMER HEAVY BOMBERS	DASH	DASH	DASH
HEAVY BOMBERS AND FORMER HEAVY BOMBERS CONVERTED FOR USE AS GROUND TRAINERS	0	0	1
HEAVY BOMBER AND FORMER HEAVY BOMBER STATIC DISPLAYS	9	0	5

	FORMER HEAVY BOMBER TYPE	TOTAL
DEPLOYED HEAVY BOMBERS	DASH	206
HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	DASH	94
HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	DASH	112
HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS	DASH	32
TEST HEAVY BOMBERS	DASH	9
TRAINING HEAVY BOMBERS	DASH	DASH
FORMER HEAVY BOMBERS	DASH	DASH
HEAVY BOMBERS AND FORMER HEAVY BOMBERS CONVERTED FOR USE AS GROUND TRAINERS	DASH	1
HEAVY BOMBER AND FORMER HEAVY BOMBER STATIC DISPLAYS	DASH	14

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

NAME/LOCATION: BARKSDALE AIR FORCE BASE, LOUISIANA

	BOMBER TYPE AND VARIANT OF A TYPE	
	B-52G	B-52H
DEPLOYED HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	0	59
HEAVY BOMBERS ATTRIBUTED WITH 10 LONG-RANGE NUCLEAR ALCMS	0	59
HEAVY BOMBERS IN EXCESS OF 150, ATTRIBUTED WITH THE NUMBER OF LONG-RANGE NUCLEAR ALCMS SPECIFIED FOR SUCH HEAVY BOMBERS IN SECTION I OF THIS MEMORANDUM	0	0
FORMER HEAVY BOMBERS	DASH	DASH

NAME/LOCATION: MINOT AIR FORCE BASE, NORTH DAKOTA

	BOMBER TYPE AND VARIANT OF A TYPE	
	B-52H	
DEPLOYED HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	18	
HEAVY BOMBERS ATTRIBUTED WITH 10 LONG-RANGE NUCLEAR ALCMS	18	
HEAVY BOMBERS IN EXCESS OF 150, ATTRIBUTED WITH THE NUMBER OF LONG-RANGE NUCLEAR ALCMS SPECIFIED FOR SUCH HEAVY BOMBERS IN SECTION I OF THIS MEMORANDUM	0	
FORMER HEAVY BOMBERS	DASH	

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS:

NAME/LOCATION: DYESS AIR FORCE BASE, TEXAS

	BOMBER TYPE AND VARIANT OF A TYPE
	B-1
DEPLOYED HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	16
FORMER HEAVY BOMBERS	DASH

NAME/LOCATION: ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA

	BOMBER TYPE AND VARIANT OF A TYPE
	B-1
DEPLOYED HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	12
FORMER HEAVY BOMBERS	DASH

NAME/LOCATION: WHITEMAN AIR FORCE BASE, MISSOURI

	BOMBER TYPE AND VARIANT OF A TYPE
	B-2
DEPLOYED HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	18
FORMER HEAVY BOMBERS	DASH

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS:

NONE

AIR BASE FOR FORMER HEAVY BOMBERS:

NONE

PRODUCTION FACILITIES FOR HEAVY BOMBERS AND FORMER HEAVY BOMBERS:

NAME/LOCATION: NORTHROP PLANT
PALMDALE, CALIFORNIA

BOMBER TYPE AND
VARIANT OF A TYPE

	B-2
DEPLOYED HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	0
DEPLOYED HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	0
HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS	0
TEST HEAVY BOMBERS	0
TRAINING HEAVY BOMBERS	DASH
FORMER HEAVY BOMBERS	DASH

STORAGE FACILITIES FOR HEAVY BOMBERS AND FORMER HEAVY BOMBERS:

NONE

REPAIR FACILITIES FOR HEAVY BOMBERS AND FORMER HEAVY BOMBERS:

NAME/LOCATION: BOEING PLANT, WICHITA, KANSAS

TYPES OF HEAVY BOMBERS AND FORMER
HEAVY BOMBERS NORMALLY REPAIRED
AT THIS FACILITY: B-52H

NAME/LOCATION: ROCKWELL PLANT
PALMDALE, CALIFORNIA

TYPES OF HEAVY BOMBERS AND FORMER
HEAVY BOMBERS NORMALLY REPAIRED
AT THIS FACILITY: B-1

NAME/LOCATION: TINKER AIR FORCE BASE, OKLAHOMA

TYPES OF HEAVY BOMBERS AND FORMER
HEAVY BOMBERS NORMALLY REPAIRED
AT THIS FACILITY: B-1 B-52G B-52H

HEAVY BOMBER FLIGHT TEST CENTERS:

NAME/LOCATION: EDWARDS AIR FORCE BASE, CALIFORNIA

	BOMBER TYPE AND VARIANT OF A TYPE		
	B-1	B-2	B-52
TEST HEAVY BOMBERS	4	2	3

TRAINING FACILITIES

NONE

HEAVY BOMBERS AND FORMER HEAVY BOMBERS CONVERTED
FOR USE AS GROUND TRAINERS

NAME/LOCATION: SHEPPARD AIR FORCE BASE, TEXAS

BOMBER TYPE AND VARIANT OF A TYPE	NUMBER
B-52H	1

HEAVY BOMBER AND FORMER HEAVY BOMBER STATIC DISPLAYS

NAME/LOCATION:	BOMBER TYPE	NUMBER
BARKSDALE AIR FORCE BASE, LOUISIANA	B-52G	1
DYESS AIR FORCE BASE, TEXAS	B-1	1
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	B-52G	1
HILL AIR FORCE BASE, UTAH	B-1	1
KOREAN WAR MEMORIAL MUSEUM SEOUL, KOREA	B-52D	1
LANGLEY AIR FORCE BASE, VIRGINIA	B-52G	1
LOWRY AIR FORCE BASE, COLORADO	B-1	1

NAME/LOCATION: MCCONNELL AIR FORCE BASE, KANSAS	B-1	1
NAME/LOCATION: MOUNTAIN HOME AIR FORCE BASE, IDAHO	B-1	1
NAME/LOCATION: MUSEUM OF FLIGHT ANNEX, EVERETT, WASHINGTON	B-52G	1
NAME/LOCATION: ROBINS AIR FORCE BASE, GEORGIA	B-1	1
NAME/LOCATION: SOUTH DAKOTA AIR AND SPACE MUSEUM SOUTH DAKOTA	B-1	1
NAME/LOCATION: TINKER AIR FORCE BASE, OKLAHOMA - SITE 3	B-1	1
NAME/LOCATION: UNITED STATES AIR FORCE MUSEUM WRIGHT-PATTERSON AIR FORCE BASE, OHIO	B-1	1

CONVERSION OR ELIMINATION FACILITIES FOR HEAVY BOMBERS
AND FORMER HEAVY BOMBERS:

NAME/LOCATION: DAVIS-MONTHAN AIR FORCE BASE, ARIZONA

	BOMBER TYPE AND VARIANT OF A TYPE		
	B-1	B-52G	B-52H
DEPLOYED HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS	DASH	4	13
DEPLOYED HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS	19	47	DASH
HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS	32	DASH	DASH
TEST HEAVY BOMBERS	DASH	DASH	DASH
TRAINING HEAVY BOMBERS	DASH	DASH	DASH
FORMER HEAVY BOMBERS	DASH	DASH	DASH

ANNEX C FOOTNOTES: NONE

ANNEX D. SPACE LAUNCH FACILITIES

FOR EACH PARTY, THE NUMBERS OF ICBMS AND SLBMS AT SPACE LAUNCH FACILITIES AND THE DATA ON SPACE LAUNCH FACILITIES ARE AS FOLLOWS:

	TOTAL
ICBMS AND SLBMS AT SPACE LAUNCH FACILITIES	0

SPACE LAUNCH FACILITIES:

NAME/LOCATION: VANDENBERG SPACE LAUNCH COMPLEX, CALIFORNIA

ICBMS AND SLBMS AT SPACE LAUNCH FACILITY	0
LAUNCHERS THAT HAVE CONTAINED OR LAUNCHED ICBMS AND SLBMS	7

NAME/LOCATION: WALLOPS FLIGHT FACILITY, VIRGINIA

ICBMS AND SLBMS AT SPACE LAUNCH FACILITY	0
LAUNCHERS THAT HAVE CONTAINED OR LAUNCHED ICBMS AND SLBMS	1

ANNEX D FOOTNOTES: NONE

ANNEX E. ELIMINATED FACILITIES

1. FOR EACH PARTY, THOSE FACILITIES FORMERLY DECLARED IN THIS MEMORANDUM THAT, IN ACCORDANCE WITH PARAGRAPH 2 OF SECTION IX OF THE PROTOCOL ON CONVERSION OR ELIMINATION, ARE CONSIDERED ELIMINATED FOR THE PURPOSES OF THE TREATY AND WHOSE ELIMINATION HAS BEEN NOTIFIED IN ACCORDANCE WITH PARAGRAPH 3 OF SECTION I OF THE NOTIFICATION PROTOCOL ARE AS FOLLOWS:

FORMER FUNCTION OF THE FACILITY: ICBM BASE FOR SILO LAUNCHERS
NAME/LOCATION: WHITEMAN MISSILE COMPLEX, MISSOURI

FORMER FUNCTION OF THE FACILITY: ICBM BASE FOR SILO LAUNCHERS
NAME/LOCATION: GRAND FORKS MISSILE COMPLEX, NORTH DAKOTA

FORMER FUNCTION OF THE FACILITY: STORAGE FACILITY FOR SLBMS
NAME/LOCATION: STRATEGIC WEAPONS FACILITY ATLANTIC DETACHMENT,
CHARLESTON, SOUTH CAROLINA

FORMER FUNCTION OF THE FACILITY: AIR BASE FOR NUCLEAR ARMS OTHER
THAN LRNA NAME/LOCATION: MCCONNELL AIR FORCE BASE, KANSAS

FORMER FUNCTION OF THE FACILITY: AIR BASE FOR NUCLEAR ARMS OTHER
THAN LRNA NAME/LOCATION: ROBINS AIR FORCE BASE, GEORGIA

FORMER FUNCTION OF THE FACILITY: AIR BASE FOR NUCLEAR ARMS OTHER
THAN LRNA NAME/LOCATION: MOUNTAIN HOME AIR FORCE BASE, IDAHO

2. FOR EACH PARTY, THE FACILITIES CURRENTLY OR FORMERLY DECLARED IN THE MEMORANDUM WHOSE PORTIONS HAVE BEEN EXCLUDED, IN ACCORDANCE WITH PARAGRAPH 19 OR 20 OF ANNEX J TO THIS MEMORANDUM, FOR THE PURPOSES OF THE TREATY FROM WITHIN THE BOUNDARIES SHOWN ON THE SITE DIAGRAMS OF SUCH FACILITIES, AND NOTIFICATION OF CHANGES IN THE BOUNDARIES OF WHICH HAVE BEEN PROVIDED IN ACCORDANCE WITH PARAGRAPH 19 OF SECTION I OF THE NOTIFICATION PROTOCOL, ARE AS FOLLOWS:

(A) UNITED STATES OF AMERICA:

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
SUSPECT-SITE

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED
PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF
THE FACILITY:
AEROJET-GENERAL CORPORATION, SACRAMENTO, CALIFORNIA

DATE OF PREPARATION OF THE SITE DIAGRAM OF
EXCLUDED PORTIONS OF THE FACILITY:
02-OCT-1997

REFERENCE TO JOINT COMPLIANCE AND INSPECTION
COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS
OF A FACILITY:
JOINT STATEMENT NUMBER S-3

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
STORAGE FACILITY FOR ICBMS

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED
PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF
THE FACILITY:
CAMP NAVAJO, ARIZONA

DATE OF PREPARATION OF THE SITE DIAGRAM OF
EXCLUDED PORTIONS OF THE FACILITY:
28-JAN-1999

REFERENCE TO JOINT COMPLIANCE AND INSPECTION
COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS
OF A FACILITY:
N/A

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
AIR BASE FOR NUCLEAR ARMS OTHER THAN LRNA

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED
PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF
THE FACILITY:
ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA

DATE OF PREPARATION OF THE SITE DIAGRAM OF
EXCLUDED PORTIONS OF THE FACILITY:
16-SEP-1998

REFERENCE TO JOINT COMPLIANCE AND INSPECTION
COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS
OF A FACILITY:
N/A

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
ICBM BASE FOR SILO LAUNCHERS

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED
PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF
THE FACILITY:
ELLSWORTH MISSILE COMPLEX, SOUTH DAKOTA

DATE OF PREPARATION OF THE SITE DIAGRAM OF
EXCLUDED PORTIONS OF THE FACILITY:
02-OCT-1997

REFERENCE TO JOINT COMPLIANCE AND INSPECTION
COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS
OF A FACILITY:
JOINT STATEMENT NUMBER S-8

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
ICBM BASE FOR SILO LAUNCHERS

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF THE FACILITY:

F.E. WARREN MISSILE COMPLEX, WYOMING

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY:

02-OCT-1997

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY:

JOINT STATEMENT NUMBER S-11

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

ICBM BASE FOR SILO LAUNCHERS

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF THE FACILITY:

GRAND FORKS MISSILE COMPLEX, NORTH DAKOTA

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY:

02-OCT-1997

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY:

JOINT STATEMENT NUMBER S-7

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

REPAIR FACILITY FOR ICBMS

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF THE FACILITY:

HILL AIR FORCE BASE, UTAH

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY:

02-OCT-1997

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY:

JOINT STATEMENT NUMBER S-4

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

ICBM BASE FOR SILO LAUNCHERS

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF THE FACILITY:

MALMSTROM MISSILE COMPLEX, MONTANA

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY:

02-OCT-1997

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY:

JOINT STATEMENT NUMBER S-5

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

AIR BASE FOR NUCLEAR ARMS OTHER THAN LRNA

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF THE FACILITY:

MCCONNELL AIR FORCE BASE, KANSAS

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY:

16-SEP-1998

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY:

N/A

FUNCTION OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS:

MAINTENANCE FACILITY FOR SILO ICBMS

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF THE FACILITY:

MINOT AIR FORCE BASE, NORTH DAKOTA AREA - 1

DATE OF PREPARATION OF THE SITE DIAGRAM OF EXCLUDED PORTIONS OF THE FACILITY:

24-JUN-1999

REFERENCE TO JOINT COMPLIANCE AND INSPECTION COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS OF A FACILITY:

N/A

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
MAINTENANCE FACILITY FOR SILO ICBMS

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED
PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF
THE FACILITY:
MINOT AIR FORCE BASE, NORTH DAKOTA AREA - 2

DATE OF PREPARATION OF THE SITE DIAGRAM OF
EXCLUDED PORTIONS OF THE FACILITY:
24-JUN-1999

REFERENCE TO JOINT COMPLIANCE AND INSPECTION
COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS
OF A FACILITY:
N/A

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
ICBM BASE FOR SILO LAUNCHERS

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED
PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF
THE FACILITY:
MINOT MISSILE COMPLEX, NORTH DAKOTA

DATE OF PREPARATION OF THE SITE DIAGRAM OF
EXCLUDED PORTIONS OF THE FACILITY:
24-JUN-1999

REFERENCE TO JOINT COMPLIANCE AND INSPECTION
COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS
OF A FACILITY:
N/A

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
C OR E FACILITY FOR ICBMS

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED
PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF
THE FACILITY:
OASIS COMPLEX, UTAH

DATE OF PREPARATION OF THE SITE DIAGRAM OF
EXCLUDED PORTIONS OF THE FACILITY:
02-OCT-1997

REFERENCE TO JOINT COMPLIANCE AND INSPECTION
COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS
OF A FACILITY:
JOINT STATEMENT NUMBER S-6

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
AIR BASE FOR NUCLEAR ARMS OTHER THAN LRNA

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED
PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF
THE FACILITY:
ROBINS AIR FORCE BASE, GEORGIA

DATE OF PREPARATION OF THE SITE DIAGRAM OF
EXCLUDED PORTIONS OF THE FACILITY:
11-SEP-2000

REFERENCE TO JOINT COMPLIANCE AND INSPECTION
COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS
OF A FACILITY:
N/A

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
STORAGE FACILITY FOR SLBMS

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED
PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF
THE FACILITY:
STRATEGIC WEAPONS FACILITY ATLANTIC DETACHMENT

DATE OF PREPARATION OF THE SITE DIAGRAM OF
EXCLUDED PORTIONS OF THE FACILITY:
07-JAN-1998

REFERENCE TO JOINT COMPLIANCE AND INSPECTION
COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS
OF A FACILITY:
JOINT STATEMENT S-14; JCIC-XVI

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
SUBMARINE BASE

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED
PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF
THE FACILITY:
STRATEGIC WEAPONS FACILITY PACIFIC, WASHINGTON

DATE OF PREPARATION OF THE SITE DIAGRAM OF
EXCLUDED PORTIONS OF THE FACILITY:
07-JAN-1998

REFERENCE TO JOINT COMPLIANCE AND INSPECTION
COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS
OF A FACILITY:
JOINT STATEMENT S-13; JCIC-XVI

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
SUBMARINE BASE

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED
PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF
THE FACILITY:
STRATEGIC WEAPONS FACILITY PACIFIC, WASHINGTON

DATE OF PREPARATION OF THE SITE DIAGRAM OF
EXCLUDED PORTIONS OF THE FACILITY:
17-JUL-2000

REFERENCE TO JOINT COMPLIANCE AND INSPECTION
COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS
OF A FACILITY:
JOINT STATEMENT NUMBER S-17

FUNCTION OF THE FACILITY THAT INCORPORATED
EXCLUDED PORTIONS:
TEST RANGE FOR ICBMS

NAME OF THE FACILITY THAT INCORPORATED EXCLUDED
PORTIONS AND SUBTITLE, IF APPLICABLE/LOCATION OF
THE FACILITY:
VANDENBERG AIR FORCE BASE, CALIFORNIA

DATE OF PREPARATION OF THE SITE DIAGRAM OF
EXCLUDED PORTIONS OF THE FACILITY:
02-OCT-1997

REFERENCE TO JOINT COMPLIANCE AND INSPECTION
COMMISSION DOCUMENT ON THE EXCLUSION OF PORTIONS
OF A FACILITY:
JOINT STATEMENT NUMBER S-12

ANNEX E FOOTNOTES: NONE

ANNEX F. ICBM AND SLBM TECHNICAL DATA

IN ADDITION TO ICBM AND SLBM TECHNICAL DATA, THE PARTIES SHALL PROVIDE, AS A CATEGORY OF DATA FOR THIS ANNEX, THE FOLLOWING CLASSIFICATION OF EACH EXISTING TYPE OF ICBM AND SLBM:

CLASSIFICATION A: ASSEMBLED ICBMS IN LAUNCH CANISTERS
 CLASSIFICATION B: ASSEMBLED ICBMS OR SLBMS WITHOUT LAUNCH CANISTERS
 CLASSIFICATION C: ICBMS OR SLBMS MAINTAINED, STORED, AND TRANSPORTED IN STAGES

(I) INTERCONTINENTAL BALLISTIC MISSILES:

	ICBM TYPE AND VARIANT OF A TYPE	
	MM-II	MM-III
MISSILE:		
CLASSIFICATION	C	C
NUMBER OF STAGES	3	3
LENGTH OF ASSEMBLED MISSILE WITHOUT FRONT SECTION (METERS)	14.9	14.6
MAXIMUM DIAMETER OF MISSILE AIRFRAME (WITHOUT STABILIZERS, RACEWAYS, LUG GUIDES, OR OTHER PROTRUDING ELEMENTS) (METERS)	1.68	1.68
LAUNCH WEIGHT (MT)	32.7	35.0
TOTAL LENGTH OF MISSILE AS A UNIT WITH LAUNCH CANISTER:		
WITH FRONT SECTION (METERS)	DASH	DASH
WITHOUT FRONT SECTION (METERS)	DASH	DASH

	ICBM TYPE AND VARIANT OF A TYPE	
	MM-II	MM-III
LENGTH OF LAUNCH CANISTER BODY (METERS)	DASH	DASH
DIAMETER OF LAUNCH CANISTER BODY (WITHOUT PROTRUDING ELEMENTS) (METERS)	DASH	DASH
MISSILE STAGES:		
FIRST STAGE		
LENGTH (METERS) (SEE ANNEX F FOOTNOTE NUMBER ONE) (SEE ANNEX F FOOTNOTE NUMBER SIX FOR MM-II AND MM-III) (SEE ANNEX F FOOTNOTE NUMBER SEVEN FOR PK)	7.0	7.0
LENGTH USED FOR CONFIRMING A NEW TYPE (METERS)	X.X	X.X
DIAMETER (METERS)	1.68	1.68
TYPE OF PROPELLANT (LIQ/SOL)	SOL	SOL
WEIGHT OF FULLY LOADED STAGE (MT)	22.9	22.9
SECOND STAGE		
DIAMETER (IF DIFFERENT FROM FIRST STAGE) (METERS)	1.39	1.39
TYPE OF PROPELLANT (LIQ/SOL)	SOL	SOL
THIRD STAGE		
DIAMETER (IF DIFFERENT FROM FIRST STAGE) (METERS)	0.97	1.33
TYPE OF PROPELLANT (LIQ/SOL)	SOL	SOL

ICBM TYPE
AND VARIANT OF A TYPE

PK
FOR SILO
LAUNCHER
(SEE ANNEX F
FOOTNOTE
NUMBER TWO)

MISSILE:

CLASSIFICATION	C
NUMBER OF STAGES	3
LENGTH OF ASSEMBLED MISSILE WITHOUT FRONT SECTION (METERS)	17.1
MAXIMUM DIAMETER OF MISSILE AIRFRAME (WITHOUT STABILIZERS, RACEWAYS, LUG GUIDES, OR OTHER PROTRUDING ELEMENTS) (METERS)	2.40
LAUNCH WEIGHT (MT)	88.0
TOTAL LENGTH OF MISSILE AS A UNIT WITH LAUNCH CANISTER: WITH FRONT SECTION (METERS)	DASH
WITHOUT FRONT SECTION (METERS)	DASH
LENGTH OF LAUNCH CANISTER BODY (METERS)	DASH
DIAMETER OF LAUNCH CANISTER BODY (WITHOUT PROTRUDING ELEMENTS) (METERS)	DASH

ICBM TYPE
AND VARIANT OF A TYPE

PK
FOR SILO
LAUNCHER
(SEE ANNEX F
FOOTNOTE
NUMBER TWO)

MISSILE STAGES:

FIRST STAGE
LENGTH (METERS) 8.4
(SEE ANNEX F FOOTNOTE

NUMBER ONE)
(SEE ANNEX F FOOTNOTE
NUMBER SIX FOR MM-II
AND MM-III)
(SEE ANNEX F FOOTNOTE
NUMBER SEVEN FOR PK)

LENGTH USED FOR CONFIRMING
A NEW TYPE (METERS) 7.4
DIAMETER (METERS) 2.30
TYPE OF PROPELLANT
(LIQ/SOL) SOL
WEIGHT OF FULLY LOADED
STAGE (MT) 48.8

SECOND STAGE
DIAMETER (IF DIFFERENT
FROM FIRST STAGE)
(METERS) 2.40
TYPE OF PROPELLANT
(LIQ/SOL) SOL

THIRD STAGE
DIAMETER (IF DIFFERENT
FROM FIRST STAGE)
(METERS) DASH
TYPE OF PROPELLANT
(LIQ/SOL) SOL

ROAD-MOBILE LAUNCHERS OF ICBMS, AS WELL AS FIXED STRUCTURES FOR
ROAD-MOBILE LAUNCHERS OF ICBMS AND SUPPORT EQUIPMENT FOR
ROAD-MOBILE LAUNCHERS OF ICBMS

NONE

RAIL-MOBILE LAUNCHERS OF ICBMS, AS WELL AS TRAINS OF STANDARD CONFIGURATION AND FIXED STRUCTURES FOR RAIL-MOBILE LAUNCHERS OF ICBMS:

ICBM TYPE
AND VERSION OF AN ITEM

PK
FOR RAIL-MOBILE
LAUNCHER

RAIL-MOBILE LAUNCHERS OF ICBMS
(IN TRANSPORT POSITION, WITHOUT MISSILE)
(SEE ANNEX F FOOTNOTE NUMBER THREE)

LENGTH (METERS)	26.5
HEIGHT (METERS)	4.8
WIDTH (METERS)	2.9

TRAIN OF STANDARD CONFIGURATION:

NUMBER OF RAIL-MOBILE LAUNCHERS OF ICBMS/NUMBER OF LAUNCH- ASSOCIATED RAILCARS	DASH
--	------

FIXED STRUCTURE FOR RAIL-MOBILE
LAUNCHERS OF ICBMS:
NONE

SUPPORT EQUIPMENT FOR SILO LAUNCHERS OF ICBMS:

ICBM EMPLACEMENT EQUIPMENT
(IN TRANSPORT POSITION, WITHOUT MISSILE):
(SEE ANNEX F FOOTNOTE NUMBER FOUR)

ICBM TYPE
AND VERSION OF AN ITEM

	MM-II	MM-III	MM-II/ MM-III VERSION 2
LENGTH (METERS)	18.8	18.8	17.7
HEIGHT (METERS)	3.9	3.9	4.5
WIDTH (METERS)	2.9	2.9	2.9

ICBM TYPE
AND VERSION OF AN ITEM

PK
FOR SILO
LAUNCHER

LENGTH (METERS)	15.7
HEIGHT (METERS)	4.4
WIDTH (METERS)	3.8

(II) SUBMARINE-LAUNCHED BALLISTIC MISSILES

SLBM TYPE
AND VARIANT OF A TYPE

	POSEIDON	TRIDENT I	TRIDENT II
MISSILE:			
CLASSIFICATION	C	C	C
NUMBER OF STAGES	2	3	3
LENGTH OF ASSEMBLED MISSILE WITHOUT FRONT SECTION (METERS)	8.1	10.3	13.4
MAXIMUM DIAMETER OF MISSILE AIRFRAME (WITHOUT STABILIZERS, RACEWAYS, LUG GUIDES, OR OTHER PROTRUDING ELEMENTS) (METERS)	1.88	1.88	2.10
LAUNCH WEIGHT (MT)	29.5	32.3	57.7
MISSILE STAGES:			
FIRST STAGE			
LENGTH (METERS) (SEE ANNEX F FOOTNOTE NUMBER FIVE) (SEE ANNEX F FOOTNOTE NUMBER EIGHT FOR TRIDENT I) (SEE ANNEX F FOOTNOTE NUMBER NINE FOR TRIDENT II)	4.5	4.5	7.0
LENGTH USED FOR CONFIRMING A NEW TYPE (METERS)	DASH	X.X	X.X

	SLBM TYPE AND VARIANT OF A TYPE		
	POSEIDON	TRIDENT I	TRIDENT II
DIAMETER (METERS)	1.88	1.88	2.10
TYPE OF PROPELLANT (LIQ/SOL)	SOL	SOL	SOL
WEIGHT OF FULLY LOADED STAGE (MT)	19.1	19.1	39.4
SECOND STAGE			
DIAMETER (IF DIFFERENT FROM FIRST STAGE) (METERS)	DASH	DASH	DASH
TYPE OF PROPELLANT (LIQ/SOL)	SOL	SOL	SOL
THIRD STAGE			
DIAMETER (IF DIFFERENT FROM FIRST STAGE) (METERS)	DASH	0.76	0.81
TYPE OF PROPELLANT (LIQ/SOL)	DASH	SOL	SOL

ANNEX F FOOTNOTES:

FOOTNOTE 1: DATA WILL BE PROVIDED WHEN A NEW TYPE OF ICBM IS DECLARED, FOR THE PURPOSE OF CONFIRMING A CHANGE IN THE STAGE LENGTH OF AN ICBM OF A NEW TYPE IN COMPARISON WITH THE STAGE LENGTH OF ICBMS OF EXISTING OR PREVIOUSLY DECLARED NEW TYPES.

FOOTNOTE 2: PEACEKEEPER HAS NOT BEEN DEPLOYED IN A MOBILE MODE.

FOOTNOTE 3: EXISTS AS A STATIC DISPLAY ONLY.

FOOTNOTE 4: EMPLACEMENT EQUIPMENT DIMENSIONS ARE WITHOUT PRIME MOVER.

FOOTNOTE 5: DATA WILL BE PROVIDED WHEN A NEW TYPE OF SLBM IS DECLARED, FOR THE PURPOSE OF CONFIRMING A CHANGE IN THE STAGE LENGTH OF AN SLBM OF A NEW TYPE IN COMPARISON WITH THE STAGE LENGTH OF SLBMS OF EXISTING OR PREVIOUSLY DECLARED NEW TYPES.

FOOTNOTE 6: FIRST STAGE LENGTHS WITHOUT NOZZLES ARE 6.5 METERS FOR MINUTEMAN II AND MINUTEMAN III ICBMS.

FOOTNOTE 7: FIRST STAGE LENGTH WITHOUT NOZZLES IS 7.4 METERS FOR THE PEACEKEEPER ICBM.

FOOTNOTE 8: FIRST STAGE LENGTH WITHOUT NOZZLES IS 4.4 METERS FOR THE TRIDENT I SLBM.

FOOTNOTE 9: FIRST STAGE LENGTH WITHOUT NOZZLES IS 6.8 METERS FOR THE TRIDENT II SLBM.

ANNEX G. HEAVY BOMBER TECHNICAL DATA

DATE HEAVY BOMBER OF EACH TYPE INITIALLY BASED AT AN AIR BASE	TYPE	DATE
	B-1	21-FEB-2008
	B-1	07-JUL-1985
	B-2	17-DEC-1993
	B-52G	01-NOV-1958
	B-52H	08-MAY-1961

TYPES OF HEAVY BOMBERS FROM WHICH LONG-RANGE NUCLEAR ALCMS HAVE BEEN FLIGHT-TESTED	
	B-1
	B-52

(I) HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

	BOMBER TYPE AND VARIANT OF A TYPE	
	B-52G	B-52H
TYPE OF LONG-RANGE NUCLEAR ALCMS FOR WHICH A HEAVY BOMBER IS EQUIPPED	AGM-86B	AGM-129 AGM-86B
MAXIMUM NUMBER OF LONG-RANGE NUCLEAR ALCMS FOR WHICH ANY HEAVY BOMBER OF THIS TYPE AND VARIANT OF A TYPE IS ACTUALLY EQUIPPED	12	20
MAXIMUM NUMBER OF LONG-RANGE NUCLEAR ALCMS CARRIED ON EXTERNAL ATTACHMENT JOINTS	12	12
MAXIMUM NUMBER OF LONG-RANGE NUCLEAR ALCMS CARRIED IN INTERNAL WEAPONS BAYS	0	8

LAUNCHERS OF LONG-RANGE NUCLEAR ALCMS:

EXTERNAL LAUNCHER: PYLON		
LENGTH (METERS)	12.5	12.5
HEIGHT (METERS)	1.52	1.52
MAXIMUM NUMBER ON HEAVY BOMBERS	2	2

	BOMBER TYPE AND VARIANT OF A TYPE	
	B-52G	B-52H
MAXIMUM NUMBER OF LONG-RANGE NUCLEAR ALCMS CARRIED ON EACH PYLON	6	6
NUMBER OF ATTACHMENT JOINTS ON PYLON FOR ATTACHING IT TO HEAVY BOMBER	2	2
DISTANCE BETWEEN JOINTS FOR ATTACHING PYLON TO HEAVY BOMBER, MEASURED ON PYLON OR HEAVY BOMBER (METERS)	3.40	3.40
NUMBER OF ATTACHMENT JOINTS ON PYLON FOR ATTACHING LONG-RANGE NUCLEAR ALCM TO IT	2	2
DISTANCE BETWEEN JOINTS FOR ATTACHING LONG-RANGE NUCLEAR ALCM TO PYLON, MEASURED ON PYLON (METERS)	0.76	0.76
DISTINGUISHING FEATURES OF PYLON	NONE	NONE
LONG-RANGE NUCLEAR ALCM LAUNCHER LOCATED IN INTERNAL WEAPONS BAYS:		
LENGTH (METERS)	DASH	6.8
DISTINGUISHING FEATURES OF LAUNCHER	DASH	NONE
MAXIMUM NUMBER ON HEAVY BOMBER	DASH	1
MAXIMUM NUMBER OF LONG-RANGE NUCLEAR ALCMS FOR WHICH LAUNCHER IS EQUIPPED	DASH	8
DIMENSIONS OF WEAPONS BAYS (METERS)		
FIRST BAY		
LENGTH	8.50	8.50
WIDTH	2.10	2.10
HEIGHT	2.10	2.10

DISTINGUISHING FEATURES BETWEEN VARIANTS OF A TYPE OF HEAVY BOMBER WITHIN THE CATEGORY OF HEAVY BOMBERS EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

- B-52G IS EQUIPPED WITH TURBOJET ENGINES WITH A STRAIGHT COWLING PROFILE, AS COMPARED TO THE TURBOFAN-EQUIPPED B-52H, WHICH HAS A FORWARD ENGINE COWLING THAT IS CLEARLY LARGER.
- B-52G HAS NO HORIZONTALLY MOUNTED ANTENNAS ON THE SIDE OF THE AFT FUSELAGE, AS COMPARED TO THE B-52H.
- B-52G HAS WING STRAKELETS.

(II) HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS:

DIFFERENCES THAT MAKE HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS DISTINGUISHABLE FROM HEAVY BOMBERS OF THIS TYPE EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS, TECHNICAL DATA FOR WHICH ARE LISTED IN SUBPARAGRAPH (I):

(1) DIFFERENCES BETWEEN B-52G HEAVY BOMBER EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS AND B-52G HEAVY BOMBER EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES:

- B-52G EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS DOES NOT HAVE WING STRAKELETS.

DISTINGUISHING FEATURES UNDER WING/FUSELAGE:

- THE UNDERWING PYLON ATTACHMENT JOINTS ON THE B-52G EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS WILL ACCOMMODATE ONLY ONE CONVENTIONAL STORES PYLON ON EACH WING. THE TYPE OF PYLON ATTACHMENT JOINT AND THE SPACE BETWEEN THE PYLON ATTACHMENT JOINTS (3.57 METERS) PRECLUDES ATTACHMENT OF THE PYLON FOR LONG-RANGE NUCLEAR ALCMS.

DISTINGUISHING FEATURES OF WEAPONS BAY:

- THE WEAPONS BAY OF THE B-52G EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS HAS NOT BEEN CONVERTED TO ACCOMMODATE THE COMMON STRATEGIC ROTARY LAUNCHER USED WITH LONG-RANGE NUCLEAR ALCMS.

(2) DIFFERENCES BETWEEN B-52G HEAVY BOMBER EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS AND B-52H HEAVY BOMBER EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES:

- B-52G EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS HAS A TURBOJET ENGINE WITH A STRAIGHT COWLING PROFILE, AS COMPARED TO THE TURBOFAN-EQUIPPED B-52H, WHICH HAS A FORWARD ENGINE COWLING THAT IS CLEARLY LARGER.
- B-52G HAS NO HORIZONTALLY MOUNTED ANTENNAS ON THE SIDE OF THE AFT FUSELAGE, AS COMPARED TO THE B-52H.

DISTINGUISHING FEATURES UNDER WING/FUSELAGE:

- THE UNDERWING PYLON ATTACHMENT JOINTS ON THE B-52G EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS WILL ACCOMMODATE ONLY ONE CONVENTIONAL STORES PYLON ON EACH WING. THE TYPE OF PYLON ATTACHMENT JOINT AND THE SPACE BETWEEN THE PYLON ATTACHMENT JOINTS (3.57 METERS) PRECLUDES ATTACHMENT OF THE PYLON FOR LONG-RANGE NUCLEAR ALCMS.

DISTINGUISHING FEATURES OF WEAPONS BAY:

- THE WEAPONS BAY OF THE B-52G EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS HAS NOT BEEN CONVERTED TO ACCOMMODATE THE COMMON STRATEGIC ROTARY LAUNCHER USED WITH LONG-RANGE NUCLEAR ALCMS.

(3) DIFFERENCES BETWEEN B-1 HEAVY BOMBER EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS AND B-1 TEST HEAVY BOMBER EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES:

- B-1 EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS HAS NO LARGE VERTICAL BLADE ANTENNA ON TOP OF THE FUSELAGE NEAR THE MID-WING.

DISTINGUISHING FEATURES UNDER WING/FUSELAGE:

- FOR THE B-1 EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS, THERE ARE FIVE OR SEVEN EXTERNAL PYLON ATTACHMENT JOINTS ON EACH SIDE OF THE FUSELAGE (NEAR THE WEAPONS BAYS), WHICH ARE COVERED BY A PROCESS EQUIVALENT TO WELDING. THERE IS ONE ADDITIONAL ATTACHMENT JOINT ON EACH SIDE OF THE FUSELAGE, WHICH ALSO SERVES AS AN AIRCRAFT JACKING POINT AND WHICH WILL NOT BE COVERED BY A PROCESS EQUIVALENT TO WELDING.

DISTINGUISHING FEATURES OF WEAPONS BAY:

- THE WEAPONS BAY BULKHEAD BETWEEN THE FORWARD AND INTERMEDIATE BAYS ON THE B-1 EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS HAS NOT BEEN MOVED AND REMAINS AS IT WAS PRODUCED. THE WEAPONS BAY DOORS ARE ALL OF EQUAL LENGTH, 4.56 METERS. THE WEAPONS BAY SIZE IS INSUFFICIENT TO LOAD A LONG-RANGE NUCLEAR ALCM. (B-1 TEST HEAVY BOMBER WEAPONS BAY AND ASSOCIATED DOORS ARE 6.81 METERS IN LENGTH TO ACCOMMODATE LONG-RANGE NUCLEAR ALCMS.)

(III) HEAVY BOMBERS EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS, OF A TYPE FROM NONE OF WHICH A LONG-RANGE NUCLEAR ALCM HAS BEEN FLIGHT-TESTED:

RECOGNITION FEATURES OF B-2 HEAVY BOMBERS:

- THE B-2 PLANFORM IS OF A FLYING WING DESIGN.
- THE B-2 HAS NO RUDDER OR VERTICAL STABILIZER.
- THE B-2 IS EQUIPPED WITH TRICYCLE LANDING GEAR.

(IV) HEAVY BOMBERS EQUIPPED FOR NON-NUCLEAR ARMAMENTS:

(1) DIFFERENCES BETWEEN B-1 HEAVY BOMBER EQUIPPED FOR NON-NUCLEAR ARMAMENTS AND B-1 EQUIPPED FOR NUCLEAR ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS:

EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES:

- THE B-1 EQUIPPED FOR NON-NUCLEAR ARMAMENTS HAS A 20 CM RED DOT PAINTED ON THE FORWARD LANDING GEAR BETWEEN THE LANDING LIGHTS.

DISTINGUISHING FEATURES UNDER WING/FUSELAGE:

- THE B-1 EQUIPPED FOR NON-NUCLEAR ARMAMENTS HAS SEVEN EXTERNAL PYLON ATTACHMENT JOINTS ON EACH SIDE OF THE FUSELAGE (NEAR THE WEAPONS BAYS) THAT ARE COVERED BY REMOVABLE COVERS, WHICH ARE NOT ATTACHED USING A PROCESS EQUIVALENT TO WELDING. (THESE ATTACHMENT JOINTS HAVE BEEN MODIFIED TO BE INCOMPATIBLE WITH LRNA PYLONS.)

DISTINGUISHING FEATURES OF WEAPONS BAY:

- THE TWO NUCLEAR ARMAMENT-UNIQUE CABLE CONNECTORS HAVE BEEN REMOVED AND THE RESULTING HOLES HAVE BEEN COVERED FOR EACH OF THE THREE WEAPONS BAYS IN THE B-1 EQUIPPED FOR NON-NUCLEAR ARMAMENTS.

(2) DIFFERENCES BETWEEN B-1 HEAVY BOMBER EQUIPPED FOR NON-NUCLEAR ARMAMENTS AND B-1 TEST HEAVY BOMBER EQUIPPED FOR LONG-RANGE NUCLEAR ALCMS:

EXTERNALLY OBSERVABLE DISTINGUISHING FEATURES:

- B-1 EQUIPPED FOR NON-NUCLEAR ARMAMENTS HAS NO LARGE VERTICAL BLADE ANTENNA ON TOP OF THE FUSELAGE NEAR THE MID-WING AND HAS A 20 CM RED DOT PAINTED ON THE FORWARD LANDING GEAR BETWEEN THE LANDING LIGHTS.

DISTINGUISHING FEATURES UNDER WING/FUSELAGE:

- THE B-1 EQUIPPED FOR NON-NUCLEAR ARMAMENTS HAS SEVEN EXTERNAL PYLON ATTACHMENT JOINTS ON EACH SIDE OF THE FUSELAGE (NEAR THE WEAPONS BAYS) THAT ARE COVERED BY REMOVABLE COVERS. (THESE ATTACHMENT JOINTS HAVE BEEN MODIFIED TO BE INCOMPATIBLE WITH LRNA PYLONS.)

DISTINGUISHING FEATURES OF WEAPONS BAY:

- THE TWO NUCLEAR ARMAMENT-UNIQUE CABLE CONNECTORS HAVE BEEN REMOVED AND THE RESULTING HOLES HAVE BEEN COVERED FOR EACH OF THE THREE WEAPONS BAYS IN THE B-1 EQUIPPED FOR NON-NUCLEAR ARMAMENTS.

(V) TRAINING HEAVY BOMBERS:

NONE

(VI) FORMER HEAVY BOMBERS:

NONE

ANNEX G FOOTNOTES: NONE

ANNEX H. LONG-RANGE NUCLEAR ALCM TECHNICAL DATA

(I) LONG-RANGE NUCLEAR ALCMS:

	ALCM TYPE AND VARIANT OF A TYPE	
	AGM-129	AGM-86B
MAXIMUM ASSEMBLED MISSILE LENGTH (METERS)	6.4	6.4
MAXIMUM MISSILE FUSELAGE CROSS-SECTION MEASUREMENT (METERS)	0.74	0.64
FULLY EXTENDED WINGSPAN (METERS)	3.1	3.6
NUMBER OF JOINTS FOR ATTACHING LONG-RANGE NUCLEAR ALCM TO LAUNCHER	2	2
DISTANCE BETWEEN JOINTS FOR ATTACHING LONG-RANGE NUCLEAR ALCM TO LAUNCHER (METERS)	0.76	0.76
OTHER DISTINGUISHING FEATURES OF LONG-RANGE NUCLEAR ALCM	NONE	NONE

ANNEX H FOOTNOTES: NONE

ANNEX I. OTHER DATA REQUIRED BY THE TREATY

1. FOR EACH PARTY, THE STATIC DISPLAYS IN EXISTENCE AT THE TIME OF SIGNATURE OF THE TREATY THAT ARE NOT SUBJECT TO THE LIMITATIONS PROVIDED FOR IN SUBPARAGRAPH 7 (A) OF ARTICLE IV OF THE TREATY ARE AS FOLLOWS:

ICBM LAUNCHER STATIC DISPLAYS:

NONE

ICBM STATIC DISPLAYS:	ICBM TYPE	NUMBER
NAME/LOCATION: AIR AND SPACE MUSEUM, WASHINGTON D.C.	MM-III	1
NAME/LOCATION: F.E. WARREN AIR FORCE BASE, WYOMING	MM-III PK	1 1
NAME/LOCATION: GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	MM-III	1
NAME/LOCATION: MALMSTROM AIR FORCE BASE, MONTANA	MM-II MM-III	1 1
NAME/LOCATION: MINOT AIR FORCE BASE, NORTH DAKOTA	MM-II	1
NAME/LOCATION: PATRICK AIR FORCE BASE, FLORIDA	MM-II	1
NAME/LOCATION: PETERSON AIR FORCE BASE, COLORADO	MMIII PK	1 1
NAME/LOCATION: SOUTH DAKOTA AIR AND SPACE MUSEUM, SOUTH DAKOTA	MM-II	1

ICBM STATIC DISPLAYS:	ICBM TYPE	NUMBER
NAME/LOCATION: THIOL CORPORATION, PROMONTORY, UTAH	PK	1
NAME/LOCATION: UNITED STATES AIR FORCE ACADEMY COLORADO SPRINGS, COLORADO (SEE FOOTNOTE NUMBER ONE)	MM-III	1
NAME/LOCATION: UNITED STATES AIR FORCE MUSEUM WRIGHT-PATTERSON AIR FORCE BASE, OHIO	MM-III PK	2 1
NAME/LOCATION: VANDENBERG AIR FORCE BASE, CALIFORNIA	MM-III	1
NAME/LOCATION: WHITEMAN AIR FORCE BASE, MISSOURI	MM-II	1
ICBM LAUNCHER CANISTER STATIC DISPLAYS:		
NONE		
SLBM STATIC DISPLAYS:	SLBM TYPE	NUMBER
NAME/LOCATION: SMITHSONIAN AIR AND SPACE MUSEUM ANNEX, CHANTILLY, VIRGINIA	POSEIDON	1
NAME/LOCATION: STRATEGIC WEAPONS FACILITY ATLANTIC KINGS BAY, GEORGIA	POSEIDON TRIDENT I TRIDENT II	1 1 1
NAME/LOCATION: STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	TRIDENT I	1
NAME/LOCATION: THIOL CORPORATION, PROMONTORY, UTAH	TRIDENT I	1

HEAVY BOMBER AND FORMER HEAVY BOMBER STATIC DISPLAYS:	BOMBER TYPE	NUMBER
NAME/LOCATION: ANDERSEN AIR FORCE BASE, GUAM	B-52D	1
NAME/LOCATION: BARKSDALE AIR FORCE BASE, LOUISIANA	B-52D	1
NAME/LOCATION: CASTLE AIR FORCE BASE, CALIFORNIA	B-52D	1
NAME/LOCATION: CITY OF PALMDALE CALIFORNIA HERITAGE AIRPARK (SEE FOOTNOTE NUMBER TWO)	B-52F	1
NAME/LOCATION: DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	B-52D	1
NAME/LOCATION: DYESS AIR FORCE BASE, TEXAS	B-52D	1
NAME/LOCATION: EDWARDS AIR FORCE BASE, CALIFORNIA	B-52D	1
NAME/LOCATION: EGLIN AIR FORCE BASE, FLORIDA	B-52G	1
NAME/LOCATION: ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA	B-52D	1
NAME/LOCATION: FAIRCHILD AIR FORCE BASE, WASHINGTON	B-52D	1
NAME/LOCATION: GRIFFIS AIR FORCE BASE, NEW YORK	B-52G	1
NAME/LOCATION: HILL AIR FORCE BASE, UTAH	B-52G	1
NAME/LOCATION: K.I. SAWYER AIR FORCE BASE, MICHIGAN	B-52D	1
NAME/LOCATION:		

KELLY AIR FORCE BASE, TEXAS
(SEE FOOTNOTE NUMBER THREE)

B-52D

1

NAME/LOCATION:

KIRTLAND AIR FORCE BASE, NEW MEXICO

B-52B

1

HEAVY BOMBER AND FORMER HEAVY BOMBER STATIC DISPLAYS:	BOMBER TYPE	NUMBER
NAME/LOCATION: LACKLAND AIR FORCE BASE, TEXAS	B-52D	1
NAME/LOCATION: LOWRY AIR FORCE BASE, COLORADO	B-52B	1
NAME/LOCATION: MARCH AIR FORCE BASE MUSEUM, CALIFORNIA	B-52D	1
NAME/LOCATION: MAXWELL AIR FORCE BASE, ALABAMA	B-52D	1
NAME/LOCATION: MCCONNELL AIR FORCE BASE, KANSAS	B-52D	1
NAME/LOCATION: OFFUTT AIR FORCE BASE, NEBRASKA	B-52G	1
NAME/LOCATION: OKLAHOMA CITY, OKLAHOMA	B-52F	1
NAME/LOCATION: ORLANDO, FLORIDA	B-52D	1
NAME/LOCATION: PIMA AIR MUSEUM TUCSON, ARIZONA	B-52A B-52D B-52G	1 1 1
NAME/LOCATION: ROBINS AIR FORCE BASE, GEORGIA	B-52D	1
NAME/LOCATION: SHEPPARD AIR FORCE BASE, TEXAS	B-52D	1
NAME/LOCATION: STRATEGIC AIR COMMAND MUSEUM, NEBRASKA	B-1 B-52B	1 1

HEAVY BOMBER AND FORMER HEAVY BOMBER STATIC DISPLAYS:	BOMBER TYPE	NUMBER
NAME/LOCATION: TINKER AIR FORCE BASE, OKLAHOMA	B-52D	1
NAME/LOCATION: TINKER AIR FORCE BASE, OKLAHOMA - CLSS	B-52D	1
NAME/LOCATION: TRAVIS AIR FORCE BASE, CALIFORNIA	B-52D	1
NAME/LOCATION: UNITED STATES AIR FORCE ACADEMY COLORADO SPRINGS, COLORADO	B-52D	1
NAME/LOCATION: UNITED STATES AIR FORCE MUSEUM WRIGHT-PATTERSON AIR FORCE BASE, OHIO	B-1 B-52D	1 1
NAME/LOCATION: USS ALABAMA MEMORIAL PARK MOBILE, ALABAMA	B-52D	1
NAME/LOCATION: WHITEMAN AIR FORCE BASE, MISSOURI	B-52D	1
NAME/LOCATION: YANKEE AIR MUSEUM YPSILANTI, MICHIGAN	B-52D	1

2. FOR EACH PARTY, THE HEAVY BOMBERS AND FORMER HEAVY BOMBERS CONVERTED FOR USE AS GROUND TRAINERS IN EXISTENCE AT THE TIME OF SIGNATURE OF THE TREATY THAT ARE NOT SUBJECT TO THE LIMITATIONS PROVIDED FOR IN SUBPARAGRAPH 7(B) OF ARTICLE IV OF THE TREATY ARE AS FOLLOWS:

	BOMBER TYPE	NUMBER
NAME/LOCATION: ROME AIR DEVELOPMENT CENTER, NEW YORK (SEE FOOTNOTE NUMBER FOUR)	B-1 B-52G	1 1
NAME/LOCATION: SHEPPARD AIR FORCE BASE, TEXAS	B-52G	2

3. FOR EACH PARTY, THE FACILITIES SUBJECT TO CONTINUOUS MONITORING ARE AS FOLLOWS:

NONE

4. FOR EACH PARTY, THE MONITORED FACILITIES ARE AS FOLLOWS:

NONE

5. FOR EACH PARTY, ALL PRODUCTION AND STORAGE LOCATIONS OF SOLID ROCKET MOTORS FOR THE FIRST STAGE OF AN ICBM FOR MOBILE LAUNCHERS OF ICBMS, SUBJECT TO THE LIMITATIONS CONTAINED IN PARAGRAPH 10 OF ARTICLE IV OF THE TREATY, ARE AS FOLLOWS:

NAME/LOCATION: THIOKOL SPACE OPERATIONS
PROMONTORY, UTAH

NAME/LOCATION: THIOKOL STRATEGIC OPERATIONS
PROMONTORY, UTAH

6. FOR EACH PARTY, THE TESTING LOCATIONS OF SOLID ROCKET MOTORS FOR THE FIRST STAGE (WITH OR WITHOUT NOZZLES ATTACHED) OF AN ICBM FOR MOBILE LAUNCHERS OF ICBMS, SUBJECT TO THE LIMITATIONS CONTAINED IN PARAGRAPH 10 OF ARTICLE IV OF THE TREATY, ARE AS FOLLOWS:

NAME/LOCATION: THIOKOL TEST AREA (SOLID ROCKET MOTOR TESTING)
PROMONTORY, UTAH

7. FOR EACH PARTY, THE LOCATIONS WHERE STATIC TESTING OCCURS FOR FIRST STAGES OF ICBMS OR SLBMS NOT SUBJECT TO THE LIMITATIONS CONTAINED IN SUBPARAGRAPH 1(A) OF ARTICLE IV OF THE TREATY, FOR MISSILES THAT ARE MAINTAINED, STORED, AND TRANSPORTED AS ASSEMBLED MISSILES IN LAUNCH CANISTERS OR WITHOUT LAUNCH CANISTERS PURSUANT TO SUBPARAGRAPHS 3(B) AND 3(C) OF ARTICLE III OF THE TREATY, AS APPLICABLE, ARE AS FOLLOWS:

NONE

8. TO EACH PARTY, ICBMS, SLBMS, SUBMARINES, HEAVY BOMBERS, FORMER HEAVY BOMBERS, OTHER AIRPLANES, ALCMS, AND, WHERE APPLICABLE, VARIANTS REFERRED TO IN THE TREATY AND ITS ANNEXES, PROTOCOLS, AND MEMORANDUM ARE KNOWN AS FOLLOWS:

	IN THE U.S.	IN THE SUCCESSOR STATES TO THE U.S.S.R.
ICBMS:	MINUTEMAN II (MM-II) MINUTEMAN III (MM-III) PEACEKEEPER (PK) SS-11 SS-13 SS-17 SS-18 SS-19 SS-24 SS-25	MINUTEMAN II MINUTEMAN III MX RS-10 RS-12 RS-16 RS-20 RS-18 RS-22 RS-12M
SLBMS:	POSEIDON TRIDENT I TRIDENT II SS-N-6 SS-N-8 SS-N-17 SS-N-18 SS-N-20 SS-N-23	POSEIDON TRIDENT I TRIDENT II RSM-25 RSM-40 RSM-45 RSM-50 RSM-52 RSM-54
SUBMARINES:	LAFAYETTE JAMES MADISON BENJAMIN FRANKLIN OHIO DELTA I DELTA II DELTA III DELTA IV TYPHOON YANKEE I YANKEE II	LAFAYETTE JAMES MADISON BENJAMIN FRANKLIN OHIO MURENA MURENA-M KAL MAR DEL FIN TYPHOON NAVAGA NAVAGA-M

	IN THE U.S.	IN THE SUCCESSOR STATES TO THE U.S.S.R.
HEAVY BOMBERS :	B-52	B-52
	B-52A	B-52A
	B-52B	B-52B
	B-52C	B-52C
	B-52D	B-52D
	B-52E	B-52E
	B-52F	B-52F
	B-52G	B-52G
	B-52H	B-52H
	B-1	B-1
	B-1A	B-1A
	B-1B	B-1B
	B-2	B-2
	BEAR	TU-95
	BEAR A	TU-95M
	BEAR B	TU-95K
	BEAR G	TU-95K22
	BEAR H	TU-95MS
	BEAR H6	TU-95MS6
	BEAR H16	TU-95MS16
	BEAR T	TU-95U
	BLACKJACK	TU-160
FORMER HEAVY BOMBERS:	BISON	3M
	BISON A	M-4
	BISON B	3MS-2
ALCMS :	AGM-86B	AGM-86B
	AGM-129	AGM-129
	AS-15 A	RKV-500A
	AS-15 B	RKV-500B
OTHER AIRPLANES :	C-5	C-5
	C-9	C-9
	C-17	C-17
	C-130	C-130
	C-141	C-141
	KC-10	KC-10
	KC-135	KC-135
	T-43	T-43
	AN-124	AN-124
	IL-62	IL-62
	IL-76	IL-76
	IL-96	IL-96
	BEAR D	TU-95RTS
	BEAR F	TU-142
	BEAR J	TU-142

9. FOR EACH PARTY, THE POINTS OF ENTRY FOR INSPECTION SITES AND FACILITIES SUBJECT TO CONTINUOUS MONITORING OR MONITORED FACILITIES ARE AS FOLLOWS:

(I) INSPECTION SITES AND FACILITIES SUBJECT TO CONTINUOUS MONITORING OR MONITORED FACILITIES ASSOCIATED WITH POINT OF ENTRY SAN FRANCISCO, CALIFORNIA (TRAVIS AIR FORCE BASE):

ICBM BASE FOR SILO LAUNCHERS OF ICBMS:

NAME/LOCATION: ELLSWORTH MISSILE COMPLEX, SOUTH DAKOTA

NAME/LOCATION: F.E. WARREN MISSILE COMPLEX, WYOMING

NAME/LOCATION: MALMSTROM MISSILE COMPLEX, MONTANA

NAME/LOCATION: MINOT MISSILE COMPLEX, NORTH DAKOTA

STORAGE FACILITIES:

NAME/LOCATION: CAMP NAVAJO, ARIZONA

NAME/LOCATION: CAMP NAVAJO DEPOT, BELLEMONT, ARIZONA

NAME/LOCATION: NAVAL AIR WARFARE CENTER
CHINA LAKE, CALIFORNIA

NAME/LOCATION: TEKOI TEST FACILITY
GOSHUTE INDIAN
RESERVATION, UTAH

REPAIR FACILITIES:

NAME/LOCATION: HILL AIR FORCE BASE, UTAH

TEST RANGES:

NAME/LOCATION: VANDENBERG AIR FORCE BASE, CALIFORNIA

SUBMARINE BASE:

NAME/LOCATION: STRATEGIC WEAPONS FACILITY PACIFIC
SILVERDALE, WASHINGTON

TRAINING FACILITIES:

NAME/LOCATION: TRIDENT TRAINING FACILITY BANGOR
SILVERDALE, WASHINGTON

CONVERSION OR ELIMINATION FACILITIES:

NAME/LOCATION: DAVIS-MONTHAN AIR FORCE BASE, ARIZONA

NAME/LOCATION: OASIS COMPLEX, UTAH

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR LONG-RANGE
NUCLEAR ALCMS:

NAME/LOCATION: MINOT AIR FORCE BASE, NORTH DAKOTA

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR NUCLEAR
ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS:

NAME/LOCATION: DYESS AIR FORCE BASE, TEXAS

NAME/LOCATION: ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA

ICBM BASE FOR ROAD MOBILE LAUNCHERS OF ICBMS:

NONE

ICBM BASE FOR RAIL MOBILE LAUNCHERS OF ICBMS:

NONE

PRODUCTION FACILITIES FOR ICBMS:

NONE

SLBM LOADING FACILITIES:

NONE

AIR BASE FOR FORMER HEAVY BOMBERS:

NONE

(II) INSPECTION SITES AND FACILITIES SUBJECT TO
CONTINUOUS MONITORING OR MONITORED FACILITIES ASSOCIATED
WITH POINT OF ENTRY WASHINGTON, D.C. (DULLES INTERNATIONAL AIRPORT):

ICBM BASE FOR SILO LAUNCHERS OF ICBMS:

NAME/LOCATION: GRAND FORKS MISSILE COMPLEX, NORTH DAKOTA

NAME/LOCATION: WHITEMAN MISSILE COMPLEX, MISSOURI

STORAGE FACILITIES:

NAME/LOCATION: STRATEGIC WEAPONS FACILITY ATLANTIC
DETACHMENT, CHARLESTON, SOUTH CAROLINA

REPAIR FACILITIES:

NONE

TEST RANGES:

NONE

SUBMARINE BASE:

NAME/LOCATION: STRATEGIC WEAPONS FACILITY ATLANTIC
KINGS BAY, GEORGIA

TRAINING FACILITIES:

NAME/LOCATION: TRIDENT TRAINING FACILITY
KINGS BAY, GEORGIA

CONVERSION OR ELIMINATION FACILITIES:

NONE

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR LONG-RANGE
NUCLEAR ALCMS:

NAME/LOCATION: BARKSDALE AIR FORCE BASE, LOUISIANA

AIR BASE FOR HEAVY BOMBERS EQUIPPED FOR NUCLEAR
ARMAMENTS OTHER THAN LONG-RANGE NUCLEAR ALCMS:

NAME/LOCATION: WHITEMAN AIR FORCE BASE, MISSOURI

ICBM BASE FOR ROAD MOBILE LAUNCHERS OF ICBMS:

NONE

ICBM BASE FOR RAIL MOBILE LAUNCHERS OF ICBMS:

NONE

PRODUCTION FACILITIES FOR ICBMS:

NONE

SLBM LOADING FACILITIES:

NONE

AIR BASE FOR FORMER HEAVY BOMBERS:

NONE

10. FOR EACH PARTY, THE ROUTES FOR FLIGHTS OF INSPECTION AIRPLANES
TO POINTS OF ENTRY ARE AS FOLLOWS:

B. FOR FLIGHTS OF INSPECTION AIRPLANES OF THE UNION OF SOVIET
SOCIALIST REPUBLICS TO THE UNITED STATES OF AMERICA:

ROUTE TO POINT OF ENTRY	ROUTE FROM POINT OF ENTRY
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FROM RUSSIAN FEDERATION TO
SAN FRANCISCO, CALIFORNIA
(TRAVIS AIR FORCE BASE):

A) SAN FRANCISCO, CALIFORNIA (TRAVIS AIR FORCE BASE): SYA, ADAK, 51W/170W, 50N/150W 48N/150W, 46N/140W, GAVL, GENC, GTT, ENI, SEO, TZZ	A) SAN FRANCISCO, CALIFORNIA (TRAVIS AIR FORCE BASE): SAME AS INBOUND
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B) ANCHORAGE, ALASKA: VALTA (N6423W17105), OME, J111, ANC	B) ANCHORAGE, ALASKA: SAME AS INBOUND
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ROUTE TO POINT OF ENTRY	ROUTE FROM POINT OF ENTRY
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FROM RUSSIAN FEDERATION TO
WASHINGTON, D.C.
(DULLES INTERNATIONAL AIRPORT):

CANADIAN ROUTING TO DAVES J585 STOOL J150 HTO SAX J6 LRP V143 ROBERT AML	RADAR VECTORS EN0271R SWANN V268 BROSS OOD235R OOD J42 RBV J62 ACK
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11. PORTS OF THE UNITED STATES OF AMERICA WHERE SPECIAL PURPOSE SUBMARINES ARE BASED ARE AS FOLLOWS:

NAME/LOCATION:

NAVAL BASE, PEARL HARBOR, HAWAII

NAME/LOCATION:

NAVAL OPERATIONS BASE, NORFOLK, VIRGINIA

12. FOR EACH PARTY, THE FACILITIES SUBJECT TO SUSPECT-SITE INSPECTION AND THE POINTS OF ENTRY FOR THESE FACILITIES ARE AS FOLLOWS:

(A) UNITED STATES OF AMERICA:

POINT OF ENTRY

MAGNA	SAN FRANCISCO, CALIFORNIA
OGDEN	SAN FRANCISCO, CALIFORNIA
SACRAMENTO	SAN FRANCISCO, CALIFORNIA
THIOKOL	SAN FRANCISCO, CALIFORNIA

ANNEX I FOOTNOTES:

- [1] THE MM-III STATIC DISPLAY AT THE UNITED STATES AIR FORCE ACADEMY, COLORADO SPRINGS, COLORADO, HAS BEEN ELIMINATED AS NOTIFIED BY ANC/STR 08-757/3.
- [2] THE B-52F STATIC DISPLAY AT OKLAHOMA CITY, OKLAHOMA, WAS MOVED TO THE CITY OF PALMDALE CALIFORNIA HERITAGE PARK AS NOTIFIED BY ANC/STR 07-380/144 AND ANC/STR 09-95/3.
- [3] THE B-52D STATIC DISPLAY AT KELLY AIR FORCE BASE, TEXAS, WAS MOVED TO TINKER AIR FORCE BASE, OKLAHOMA, AS NOTIFIED BY ANC/STR 00-472/144 AND ANC/STR 09-1006/3.
- [4] THE B-52G GROUND TRAINER AT THE ROME AIR DEVELOPMENT CENTER, NEW YORK, WAS ELIMINATED AS NOTIFIED BY ANC/STR 07-836-61 AND WAS INSPECTED ON DECEMBER 3, 2007.