

UNCLASSIFIED

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MEMORANDUM OF UNDERSTANDING  
ON WARHEAD ATTRIBUTION AND HEAVY BOMBER DATA RELATING TO THE  
TREATY BETWEEN THE UNITED STATES OF AMERICA AND THE RUSSIAN  
FEDERATION ON FURTHER REDUCTION AND LIMITATION OF  
STRATEGIC OFFENSIVE ARMS

Pursuant to and in implementation of the Treaty Between the United States of America and the Russian Federation on Further Reduction and Limitation of Strategic Offensive Arms, hereinafter referred to as the Treaty, the Parties have exchanged data current as of January 3, 1993, on the number of nuclear weapons for which each heavy bomber of a type and a variant of a type equipped for nuclear weapons is actually equipped. No later than 30 days after the date of entry into force of the Treaty, the Parties shall additionally exchange data, current as of the date of entry into force of the Treaty, according to the categories of data contained in this Memorandum, on heavy bombers equipped for nuclear weapons; on heavy bombers specified as reoriented to a conventional role, and on heavy bombers reoriented to a conventional role that are subsequently returned to a nuclear role; on ICBMs and SLBMs to which a reduced number of warheads is attributed; and on data on the elimination of heavy ICBMs and on conversion of silo launchers of heavy ICBMs.

Only those data used for purposes of implementing the Treaty that differ from the data in the Memorandum of Understanding on the Establishment of the Data Base Relating to the START Treaty are included in this Memorandum.

I. Number of Warheads Attributed to Deployed Heavy Bombers  
Other than Heavy Bombers Reoriented to a Conventional Role

1. Pursuant to paragraph 3 of Article IV of the Treaty each Party undertakes not to have more nuclear weapons deployed on heavy bombers of any type or variant of a type than the number specified in this paragraph. Additionally, pursuant to paragraph 2 of Article IV of the Treaty, for each Party the numbers of warheads attributed to deployed heavy bombers not reoriented to a conventional role as of the date of signature of the Treaty or to heavy bombers subsequently deployed are listed below. Such numbers shall only be changed in accordance with paragraph 5 of Article IV of the Treaty. The Party making a change shall provide a notification to the other Party 90 days prior to making such a change. An exhibition shall be conducted to demonstrate the changed number of nuclear weapons for which heavy bombers of the listed type or variant of a type are actually equipped:

Dept. of State, RPS/IPS, Margaret P. Grafeld, Dir.  
 Release ( ) Excise ( ) Deny ( ) Declassify  
Date 7/11/2001 Exemption \_\_\_\_\_

25

(a) United States of America Heavy Bomber Type and Variant of a Type*	Number of Warheads
B-52G	<u>12</u>
B-52H	<u>20</u>
B-1B	<u>16</u>
B-2	<u>16</u>

Aggregate Number of Warheads  
Attributed to Deployed Heavy  
Bombers, Except for Heavy Bombers  
Reoriented to a Conventional Role

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(b) Russian Federation Heavy Bomber Type and Variant of a Type	Number of Warheads
Bear B	<u>1</u>
Bear G	<u>2</u>
Bear H6	<u>6</u>
Bear H16	<u>16</u>
Blackjack	<u>12</u>

Aggregate Number of Warheads  
Attributed to Deployed Heavy  
Bombers, Except for Heavy Bombers  
Reoriented to a Conventional Role

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II. Data on Heavy Bombers Reoriented to a Conventional Role and  
Heavy Bombers Reoriented to a Conventional Role that Have  
Subsequently Been Returned to a Nuclear Role

1. For each Party, the numbers of heavy bombers reoriented to a conventional role are as follows:

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\*Heavy bombers of the type and variant of a type designated B-52C, B-52D, B-52E, and B-52F, located at the Davis-Monthan conversion or elimination facility as of September 1, 1990, as specified in the Memorandum of Understanding to the START Treaty, will be eliminated, under the provisions of the START Treaty, before the expiration of the seven-year reductions period.

(a) United States of America  
Heavy Bomber Type  
and Variant of a Type

Number

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

(b) Russian Federation  
Heavy Bomber Type  
and Variant of a Type

Number

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

2. For each Party, the numbers of heavy bombers reoriented to a conventional role as well as data on related air bases are as follows:

(a) United States of America  
Air Bases:  
Name/Location

Bomber Type and  
Variant of a Type

\_\_\_\_\_

\_\_\_\_\_

Heavy Bombers Reoriented  
to a Conventional Role

Number

\_\_\_\_\_

(b) Russian Federation  
Air Bases:  
Name/Location

Bomber Type and  
Variant of a Type

\_\_\_\_\_

\_\_\_\_\_

Heavy Bombers Reoriented  
to a Conventional Role

Number

\_\_\_\_\_

3. For each Party, the differences observable by national technical means of verification for heavy bombers reoriented to a conventional role are as follows:

(a) United States of America  
Heavy Bomber Type  
and Variant of a Type

Difference

\_\_\_\_\_

\_\_\_\_\_

(b) Russian Federation  
Heavy Bomber Type  
and Variant of Type

Difference

\_\_\_\_\_

\_\_\_\_\_

4. For each Party, the differences observable by national technical means of verification for heavy bombers reoriented to a conventional role that have subsequently been returned to a nuclear role are as follows:

- |  |            |
|--|------------|
| (a) United States of America<br>Heavy Bomber Type<br>and Variant of a Type | Difference |
| _____  | _____      |
| (b) Russian Federation<br>Heavy Bomber Type<br>and Variant of a Type       | Difference |
| _____  | _____      |

III. Data on Deployed ICBMs and Deployed SLBMs to Which a Reduced Number of Warheads Is Attributed

For each Party, the data on ICBM bases or submarine bases, and on ICBMs or SLBMs of existing types deployed at those bases, on which the number of warheads attributed to them is reduced pursuant to Article III of the Treaty are as follows:

- |   |                      |
|---|----------------------|
| (a) United States of America  | Type of ICBM or SLBM |
| Deployed ICBMs or Deployed SLBMs,<br>on Which the Number of<br>Warheads Is Reduced                                  | _____                |
| Warheads Attributed to Each<br>Deployed ICBM or Deployed SLBM<br>After Reduction in the<br>Number of Warheads on It | _____                |
| Number of Warheads by Which<br>the Original Attribution of<br>Warheads for Each ICBM or<br>SLBM Was Reduced         | _____                |
| Aggregate Reduction in the Number<br>of Warheads Attributed to<br>Deployed ICBMs or Deployed<br>SLBMs of that Type  | _____                |

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

Deployed ICBMs on Which the  
Number of Warheads Is Reduced

\_\_\_\_\_  
\_\_\_\_\_

Warheads Attributed to Each  
Deployed ICBM After Reduction  
in the Number of Warheads on It

\_\_\_\_\_

Number of Warheads by Which  
the Original Attribution of  
Warheads for Each ICBM Was  
Reduced

\_\_\_\_\_

Aggregate Reduction in the  
Number of Warheads Attributed  
to Deployed ICBMs of that Type

\_\_\_\_\_

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

Deployed SLBMs on Which the  
Number of Warheads Is Reduced

\_\_\_\_\_  
\_\_\_\_\_

Warheads Attributed to Each  
Deployed SLBM After Reduction  
in the Number of Warheads on It

\_\_\_\_\_

Number of Warheads by Which  
the Original Attribution of  
Warheads for Each SLBM Was  
Reduced

\_\_\_\_\_

Aggregate Reduction in the  
Number of Warheads Attributed  
to Deployed SLBMs of that Type

\_\_\_\_\_

(b) Russian Federation

Type of ICBM or SLBM

Deployed ICBMs or Deployed SLBMs on Which the Number of Warheads Is Reduced

Warheads Attributed to Each Deployed ICBM or Deployed SLBM After Reduction in the Number of Warheads on It

Number of Warheads by Which the Original Attribution of Warheads for Each ICBM or SLBM Was Reduced

Aggregate Reduction in the Number of Warheads Attributed to Deployed ICBMs or Deployed SLBMs of that Type

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

Deployed ICBMs on Which the Number of Warheads Is Reduced

Warheads Attributed to Each Deployed ICBM After Reduction in the Number of Warheads on It

Number of Warheads by Which the Original Attribution of Warheads for Each ICBM Was Reduced

Aggregate Reduction in the Number of Warheads Attributed to Deployed ICBMs of that Type

SLBM Bases at Which the Number of Warheads on Deployed SLBMs Is Reduced:

<u>Name/Location</u>	<u>SLBM Type on Which the Number of Warheads Is Reduced</u>
Deployed SLBMs on Which the Number of Warheads Is Reduced	_____
Warheads Attributed to Each Deployed SLBM After Reduction in the Number of Warheads on It	_____
Number of Warheads by Which the Original Attribution of Warheads for Each SLBM Was Reduced	_____
Aggregate Reduction in the Number of Warheads Attributed to Deployed SLBMs of that Type	_____

IV. Data on Eliminated Heavy ICBMs and Converted Silo Launchers of Heavy ICBMs

1. For each Party, the numbers of silo launchers of heavy ICBMs converted to silo launchers of ICBMs other than heavy ICBMs are as follows:

(a) United States of America

Aggregate Number of Converted Silo Launchers \_\_\_\_\_

ICBM Base for Silo Launchers of ICBMs:  
Name/Location

ICBM Type Installed in a Converted Silo Launcher

\_\_\_\_\_  
Silo Launcher Group: (designation)

\_\_\_\_\_  
Silo Launchers: \_\_\_\_\_

(b) Russian Federation

Aggregate Number of Converted Silo Launchers \_\_\_\_\_

ICBM Base for Silo  
Launchers of ICBMs:  
Name/Location

ICBM Type Installed  
In a Converted Silo  
Launcher

\_\_\_\_\_

Silo Launcher Group: (designation)

\_\_\_\_\_

Silo Launchers: \_\_\_\_\_

2. For each Party, the aggregate numbers of heavy ICBMs and eliminated heavy ICBMs are as follows:

(a) United States of America	Number
Deployed Heavy ICBMs	_____
Non-Deployed Heavy ICBMs	_____
Eliminated Heavy ICBMs	_____
(b) Russian Federation	Number
Deployed Heavy ICBMs	_____
Non-Deployed Heavy ICBMs	_____
Eliminated Heavy ICBMs	_____

V. Changes

Each Party shall notify the other Party of changes in the attribution and data contained in this Memorandum.

The Parties, in signing this Memorandum, acknowledge the acceptance of the categories of data contained in this Memorandum and the responsibility of each Party for the accuracy only of its own data.

This Memorandum is an integral part of the Treaty and shall enter into force on the date of entry into force of the Treaty and shall remain in force so long as the Treaty remains in force. As provided for in subparagraph 2(b) of Article V of the Treaty, the Parties may agree on such additional measures as may be necessary to improve the viability and effectiveness of the Treaty. The Parties agree that, if it becomes necessary to change the categories of data contained in this Memorandum or to make other changes to this Memorandum that do not affect substantive rights or obligations under the Treaty, they shall use the Bilateral Implementation Commission to reach agreement on such changes, without resorting to the procedure for making amendments set forth in Article VII of the Treaty.

DONE at Moscow on January 3, 1993, in two copies, each in the English and Russian languages, both texts being equally authentic.

FOR THE UNITED STATES  
OF AMERICA:

FOR THE RUSSIAN  
FEDERATION: