

**DEFENSE**

**Research and Development**

**Amendment Between the  
UNITED STATES OF AMERICA  
and OTHER GOVERNMENTS  
Amending Memorandum of Understanding  
of November 12, 2014**

Signed at Copenhagen, Washington, Athens, The Hague,  
Bergen, Lisbon, Canberra, Madrid, Ottawa, Brussels,  
Koblenz, and Ankara December 18, 2014, January 5, and 19,  
February 27, March 2, 27, 30, 31, and April 13, and 20, and  
July 17, and September 2, 2015



NOTE BY THE DEPARTMENT OF STATE

Pursuant to Public Law 89—497, approved July 8, 1966  
(80 Stat. 271; 1 U.S.C. 113)—

“ . . .the Treaties and Other International Acts Series issued under the authority of the Secretary of State shall be competent evidence . . . of the treaties, international agreements other than treaties, and proclamations by the President of such treaties and international agreements other than treaties, as the case may be, therein contained, in all the courts of law and equity and of maritime jurisdiction, and in all the tribunals and public offices of the United States, and of the several States, without any further proof or authentication thereof.”

## MULTILATERAL

### Defense: Research and Development

*Amendment to memorandum of understanding of  
November 12, 2014.*

*Signed at Copenhagen, Washington, Athens, The Hague,  
Bergen, Lisbon, Canberra, Madrid, Ottawa, Brussels,  
Koblenz, and Ankara December 18, 2014, January 5, and 19,  
February 27, March 2, 27, 30, 31, and April 13, and 20, and  
July 17, and September 2, 2015;*

*Entered into force September 2, 2015.*

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# AMENDMENT ONE TO THE ESSM BLOCK 2 E&MD MOU



**AMENDMENT ONE TO THE  
MEMORANDUM OF UNDERSTANDING FOR THE  
COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF THE  
EVOLVED SEASPARROW MISSILE BLOCK 2**

AMONG:

THE MINISTER FOR DEFENCE ON BEHALF OF THE DEPARTMENT OF DEFENCE OF  
AUSTRALIA

AND

THE MINISTER OF DEFENCE OF THE KINGDOM OF BELGIUM

AND

THE DEPARTMENT OF NATIONAL DEFENCE OF CANADA

AND

THE MINISTER OF DEFENCE OF THE KINGDOM OF DENMARK

AND

THE FEDERAL MINISTRY OF DEFENCE OF THE FEDERAL REPUBLIC OF GERMANY

AND

THE MINISTRY OF NATIONAL DEFENCE OF THE HELLENIC REPUBLIC

AND

THE MINISTER OF DEFENCE OF THE KINGDOM OF THE NETHERLANDS

AND

THE MINISTER OF DEFENCE OF THE KINGDOM OF NORWAY

AND

THE MINISTER OF DEFENCE OF PORTUGAL

AND

THE MINISTER OF DEFENCE OF THE KINGDOM OF SPAIN

AND

THE MINISTRY OF NATIONAL DEFENCE OF TURKIYE

AND

THE DEPARTMENT OF DEFENSE OF THE UNITED STATES OF AMERICA

## INTRODUCTION

The Minister for Defence on behalf of the Department of Defence of Australia (Australian DOD), the Department of National Defence of Canada (Canadian DND), the Minister of Defence of the Kingdom of Denmark (Danish MOD), the Minister of Defence of the Kingdom of The Netherlands (Netherlands MOD), the Minister of Defence of the Kingdom of Norway (Norwegian MOD), the Ministry of National Defence of Turkiye (MoND of Turkiye), and the Department of Defense of the United States of America (U.S. DoD), previously referred to as the “Contributing Participants”, and the Minister of Defence of the Kingdom of Belgium (Belgian MOD), the Federal Ministry of Defence of the Federal Republic of Germany (German FMoD), the Ministry of National Defence of the Hellenic Republic (Hellenic MND), the Minister of Defence of Portugal (Portuguese MOD), and the Ministry of Defence of the Kingdom of Spain (Spanish MOD), previously referred to as the “Non-contributing Participants”, and collectively referred to as the “Participants”:

Considering the Memorandum of Understanding for the Cooperative Engineering and Manufacturing Development of the Evolved SEASPARROW Missile Block 2 among the Minister for Defence on behalf of the Department of Defence of Australia (Australian DOD), the Minister of Defence of the Kingdom of Belgium (Belgian MOD), the Department of National Defence of Canada (Canadian DND), the Minister of Defence of the Kingdom of Denmark (Danish MOD), the Federal Ministry of Defence of the Federal Republic of Germany (German FMoD), the Ministry of National Defence of the Hellenic Republic (Hellenic MND), the Minister of Defence of the Kingdom of The Netherlands (Netherlands MOD), the Minister of Defence of the Kingdom of Norway (Norwegian MOD), the Minister of Defence of Portugal (Portuguese MOD), the Ministry of Defence of the Kingdom of Spain (Spanish MOD), the Ministry of National Defence of Turkiye (MoND of Turkiye), and the Department of Defense of the United States of America (U.S. DoD), which entered into effect November 12, 2014 (hereinafter referred to as the “ESSM Block 2 E&MD MOU”);

Recognizing that the MoND of Turkiye is now referred to as the Ministry of National Defence of the Republic of Turkey (MoND of Turkey);

Recognizing that the German FMoD has requested to accede to Contributing Participant status in accordance with Section 17 (Accession of Non-contributing Participants) of the ESSM Block 2 E&MD MOU;

Now, therefore, the undersigned Participants have reached the following understandings:

**SECTION I**  
**PURPOSE**

The purpose of this Amendment One is to change the status of the German FMoD from a Non-contributing Participant in the ESSM Block 2 E&MD MOU to a Contributing Participant, and to revise Section 5 (Financial Provisions) of the ESSM Block 2 E&MD MOU accordingly.

**SECTION II  
AMENDMENT**

The ESSM Block 2 E&MD MOU is hereby amended as follows:

1. Delete the Title Page and insert the following new Title Page:

**“MEMORANDUM OF UNDERSTANDING FOR THE  
COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF THE  
EVOLVED SEASPARROW MISSILE BLOCK 2**

AMONG:

THE MINISTER FOR DEFENCE ON BEHALF OF THE DEPARTMENT OF DEFENCE OF  
AUSTRALIA

AND

THE MINISTER OF DEFENCE OF THE KINGDOM OF BELGIUM

AND

THE DEPARTMENT OF NATIONAL DEFENCE OF CANADA

AND

THE MINISTER OF DEFENCE OF THE KINGDOM OF DENMARK

AND

THE FEDERAL MINISTRY OF DEFENCE OF THE FEDERAL REPUBLIC OF GERMANY

AND

THE MINISTRY OF NATIONAL DEFENCE OF THE HELLENIC REPUBLIC

AND

THE MINISTER OF DEFENCE OF THE KINGDOM OF THE NETHERLANDS

AND

THE MINISTER OF DEFENCE OF THE KINGDOM OF NORWAY

AND

THE MINISTER OF DEFENCE OF PORTUGAL

AND

THE MINISTER OF DEFENCE OF THE KINGDOM OF SPAIN

AND

THE MINISTRY OF NATIONAL DEFENCE OF THE REPUBLIC OF TURKEY

AND

THE DEPARTMENT OF DEFENSE OF THE UNITED STATES OF AMERICA”

2. Replace the first paragraph of the INTRODUCTION with the following new first paragraph:

“The Minister for Defence on behalf of the Department of Defence of Australia (Australian DOD), the Department of National Defence of Canada (Canadian DND), the Minister of Defence of the Kingdom of Denmark (Danish MOD), the Federal Ministry of Defence of the Federal Republic of Germany (German FMoD), the Minister of Defence of the Kingdom of The Netherlands (Netherlands MOD), the Minister of Defence of the Kingdom of Norway (Norwegian MOD), the Ministry of National Defence of the Republic of Turkey (MoND of Turkey), and the Department of Defense of the United States of America (U.S. DoD), hereinafter referred to as the ‘Contributing Participants’, and the Minister of Defence of the Kingdom of Belgium (Belgian MOD), the Ministry of National Defence of the Hellenic Republic (Hellenic MND), the Minister of Defence of Portugal (Portuguese MOD), and the Ministry of Defence of the Kingdom of Spain (Spanish MOD), hereinafter referred to as the ‘Non-contributing Participants’, and collectively referred to as the ‘Participants’.”

3. Change Section 5 (Financial Provisions) as follows:

a. Replace the table in paragraph 5.4 with the following new table:

| Contributing Participant | Percentage | Contributions to Total Cost Target in millions of FY 2011 constant-year U.S. dollars |
|--------------------------|------------|--|
| Australian DOD           | 18         | 158.94   |
| Canadian DND             | 15         | 132.45   |
| Danish MOD               | 5          | 44.15  |
| German FMoD              | 7          | 61.81  |
| Netherlands MOD          | 5          | 44.15  |
| Norwegian MOD            | 5          | 44.15  |
| MoND of Turkey           | 5          | 44.15  |
| U.S. DoD                 | 40         | 353.20   |
| Total                    | 100        | 883.00   |

b. In paragraph 5.5, replace the numbers “72.48” and “810.52” with “75.77” and “807.23”, respectively.

c. Replace the table in subparagraph 5.5.1 with the following new table:

| Contributing Participant | Contributions in millions of FY 2011 constant-year U.S. dollars |
|--------------------------|---|
| Australian DOD           | 20.82   |
| Canadian DND             | 20.05   |
| Danish MOD               | 4.00  |
| German FMoD              | 3.29  |
| Netherlands MOD          | 4.02  |
| Norwegian MOD            | 4.90  |
| MoND of Turkey           | 0.13  |
| U.S. DoD                 | 18.56   |
| Total                    | 75.77   |

d. Replace the table in subparagraph 5.5.2 with the following new table:

| Contributing Participant | Contributions in millions of FY 2011 constant-year U.S. dollars |
|--------------------------|---|
| Australian DOD           | 138.12  |
| Canadian DND             | 112.40  |
| Danish MOD               | 40.15   |
| German FMoD              | 58.52   |
| Netherlands MOD          | 40.13   |
| Norwegian MOD            | 39.25   |
| MoND of Turkey           | 44.02   |
| U.S. DoD                 | 334.64  |
| Total                    | 807.23  |

All other provisions of the ESSM Block 2 E&MD MOU remain unchanged.

### **SECTION III ENTRY INTO EFFECT**

Pursuant to Section 20 (Amendments) of this ESSM Block 2 E&MD MOU, this Amendment One to the ESSM Block 2 E&MD MOU will enter into effect when signed by all the Participants (which, for the Ministry of National Defence of the Republic of Turkey, will be after completion of its internal legal procedures). However, in the event that one or more Non-contributing Participants has not signed this Amendment One by the time all the Contributing Participants have signed, this Amendment One will then enter into effect for all the Participants that have signed. This Amendment One will enter into effect for each of the remaining Non-contributing Participants upon their signature.

As to any Non-contributing Participant that signs this Amendment One after it has entered into effect (referred to as the "subsequent Participant"), the Participants who have previously signed this Amendment One will have no responsibilities with regard to that subsequent Participant, and that subsequent Participant will have no responsibilities or benefits under this Amendment One, until such time as the subsequent Participant has signed this Amendment One.

This Amendment One will remain in effect as long as the ESSM Block 2 E&MD MOU it amends.

The foregoing represents the understandings reached among the Participants on the matters referred to herein.

Signed, in thirteen (13) copies, in the English language, by authorized representatives.

**AMENDMENT ONE TO THE  
MEMORANDUM OF UNDERSTANDING FOR THE  
COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF THE  
EVOLVED SEASPARROW MISSILE BLOCK 2**

FOR THE MINISTER FOR DEFENCE ON BEHALF  
OF THE DEPARTMENT OF DEFENCE OF  
AUSTRALIA



\_\_\_\_\_  
Signature

COMMODORE BJ WHEELER, RAN

Name

DIRECTOR GENERAL NAVY CAPABILITY TRANSITION AND  
SUSTAINMENT

Title

30 MARCH 2015

Date

CANBERRA, AUSTRALIA

Location

**AMENDMENT ONE TO THE  
MEMORANDUM OF UNDERSTANDING FOR THE  
COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF THE  
EVOLVED SEASPARROW MISSILE BLOCK 2**

FOR THE MINISTER OF DEFENCE  
OF THE KINGDOM OF BELGIUM

Signature



Name

YVES DUPONT

Title

CAPTAIN DGTB SYS-N

SC member of BELGIUM

Date

20th April 2015

Location

BRUSSELS (EVERE)

**AMENDMENT ONE TO THE  
MEMORANDUM OF UNDERSTANDING FOR THE  
COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF THE  
EVOLVED SEASPARROW MISSILE BLOCK 2**

FOR THE DEPARTMENT OF  
NATIONAL DEFENCE OF CANADA



\_\_\_\_\_  
Signature

Patrick T. Finn

\_\_\_\_\_  
Name

Assistant Deputy Minister (Materiel)

\_\_\_\_\_  
Title

13 April 2015

\_\_\_\_\_  
Date

Ottawa, Ontario

\_\_\_\_\_  
Location

**AMENDMENT ONE TO THE  
MEMORANDUM OF UNDERSTANDING FOR THE  
COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF THE  
EVOLVED SEASPARROW MISSILE BLOCK 2**

FOR THE MINISTER OF DEFENCE  
OF THE KINGDOM OF DENMARK



\_\_\_\_\_  
Signature

PER BIGUM CHRISTENSEN

\_\_\_\_\_  
Name

CAPTAIN (N), TECHNICAL DIRECTOR, NAVY  
Danish Defence Acquisition and Logistics Organisation

\_\_\_\_\_  
Title

18 December 2014

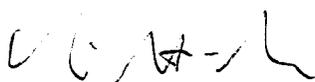
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Date

Copenhagen

\_\_\_\_\_  
Location

**AMENDMENT ONE TO THE  
MEMORANDUM OF UNDERSTANDING FOR THE  
COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF THE  
EVOLVED SEASPARROW MISSILE BLOCK 2**

FOR THE FEDERAL MINISTRY OF DEFENCE  
OF THE FEDERAL REPUBLIC OF GERMANY



\_\_\_\_\_  
Signature

Schmidt-Franke

\_\_\_\_\_  
Name

Vizepräsident BAAlNBw

\_\_\_\_\_  
Title

17.07.2015

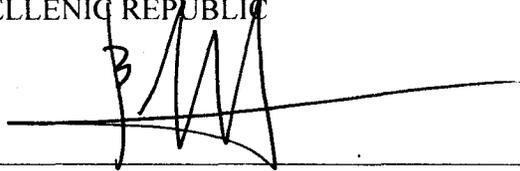
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Date

Koblenz

\_\_\_\_\_  
Location

AMENDMENT ONE TO THE  
MEMORANDUM OF UNDERSTANDING FOR THE  
COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF THE  
EVOLVED SEASPARROW MISSILE BLOCK 2

FOR THE MINISTRY OF NATIONAL DEFENCE  
OF THE HELLENIC REPUBLIC



Signature

Captain Vasileios Stamatopoulos HN  
Name



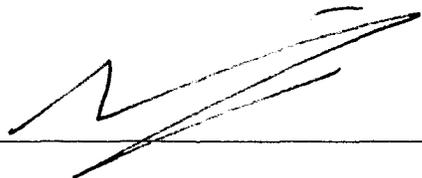
HNCS / C3 Director - NSESC Member for Greece

19-01-2015  
Date

Athens  
Location

**AMENDMENT ONE TO THE  
MEMORANDUM OF UNDERSTANDING FOR THE  
COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF  
THE EVOLVED SEASPARROW MISSILE BLOCK 2**

FOR THE MINISTER OF DEFENCE OF  
THE KINGDOM OF THE NETHERLANDS

A handwritten signature in black ink, consisting of several overlapping, sweeping strokes, positioned above a horizontal line.

Signature

A.G.J. van de Geijn

Name

Director for Procurement

Defence Materiel Organisation

Title

February 27, 2015

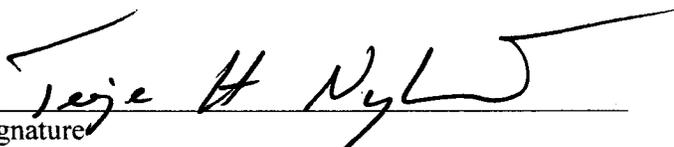
Date

The Hague

Location

**AMENDMENT ONE TO THE  
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COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF THE  
EVOLVED SEASPARROW MISSILE BLOCK 2**

FOR THE MINISTER OF DEFENCE  
OF THE KINGDOM OF NORWAY

  
\_\_\_\_\_  
Signature

TERJE NYLUND

\_\_\_\_\_  
Name

CAPTAIN, THE NORWEGIAN DEFENCE LOGISTICS ORGANISATION

\_\_\_\_\_  
Title

2nd of March, 2015

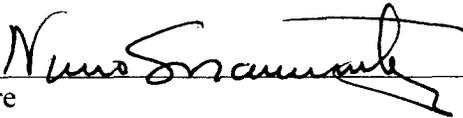
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Date

BERGEN, NORWAY

\_\_\_\_\_  
Location

**AMENDMENT ONE TO THE  
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EVOLVED SEASPARROW MISSILE BLOCK 2**

FOR THE MINISTER OF DEFENCE  
OF PORTUGAL

  
\_\_\_\_\_  
Signature

Nuno Miguel Bulcão Sarmento

\_\_\_\_\_  
Name

Commander (PON), Weapons and Eletronics Head of  
Department, SCM for Portugal

\_\_\_\_\_  
Title

27<sup>th</sup>, March, 2015

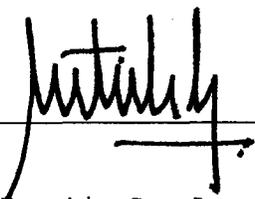
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Date

Lisbon, Portugal

\_\_\_\_\_  
Location

**AMENDMENT ONE TO THE  
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COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF THE  
EVOLVED SEASPARROW MISSILE BLOCK 2**

FOR THE MINISTRY OF DEFENCE  
OF THE KINGDOM OF SPAIN

Signature 

Estanislao Pery Paredes

DNI: 50.282.424 P

Name

Title



31 MAR. 2015

Date

Location Madrid, Spain

**AMENDMENT ONE TO THE  
MEMORANDUM OF UNDERSTANDING FOR THE  
COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF THE  
EVOLVED SEASPARROW MISSILE BLOCK 2**

FOR THE MINISTRY OF NATIONAL DEFENCE  
OF THE REPUBLIC OF TURKEY

Signature

Necmi YILDIRIM

Name

Captain, Turkish Navy  
Electronic and Weapon Systems Department Head.

Title

02 September 2015

Date

Ankara / Turkey

Location

**AMENDMENT ONE TO THE  
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COOPERATIVE ENGINEERING AND MANUFACTURING DEVELOPMENT OF THE  
EVOLVED SEASPARROW MISSILE BLOCK 2**

FOR THE DEPARTMENT OF DEFENSE  
OF THE UNITED STATES OF AMERICA

  
\_\_\_\_\_  
Signature

RDML Jon A. Hill  
\_\_\_\_\_  
Name

Program Executive Officer, Integrated Warfare Systems  
\_\_\_\_\_  
Title

*5 Jan 2015*  
\_\_\_\_\_  
Date

Washington, D.C., USA  
\_\_\_\_\_  
Location