

ANNEX NO. DEA-D-06-AUS-0013
TO THE
MUTUAL WEAPONS DEVELOPMENT DATA EXCHANGE AGREEMENT
BETWEEN
THE UNITED STATES DEPARTMENT OF DEFENSE
AND
THE AUSTRALIAN DEPARTMENT OF DEFENCE,
CONCERNING

Weapons of Mass Destruction (WMD) Threat Reduction Technologies

Pursuant to the terms and conditions of the Mutual Weapons Development Data Exchange Agreement between the United States Department of Defense and the Australian Department of Defence (the "Participants"), signed January 25, 1962, and consistent with terms of the Exchange of Notes Constituting an Agreement between the Government of the United States of America and the Government of Australia Concerning Certain Mutual Defense Commitments done at Sydney on December 1, 1995 (the Chapeau Agreement) applicable to this Memorandum of Understanding (MOU), the Participants hereby establish the following data exchange Annex.

1. PROJECT DESCRIPTION AND CLASSIFICATION:
 - a. Scope: This Annex provides for the exchange of scientific and technical information, including government developed or controlled research and development (R&D) software, for the purposes of improving abilities to counter global proliferation of WMD, enhancing military responsiveness for homeland defense, and facilitating the defeat of terrorism. It will promote improvement of abilities to counter military and domestic WMD threats. Exchange of information will include approaches, techniques, technologies, testing, modeling and simulation, and assessment methodologies in the areas of nonproliferation, counterproliferation, and consequence management that will support strategies for combating WMD. Areas of information exchanged will include the following, subject to the provisions of applicable multilateral or bilateral treaties, agreements or MOUs entered into by either the United States or Australia:
 - (1) Chemical, Biological, Radiological (CBR) and High Yield Explosives Defense:
 - (a) Standoff and point detection of CBR and explosive threat agents;
 - (b) Modeling and simulation;
 - (c) Sensors and data fusion;
 - (d) Individual and collective protection, protective clothing and equipment;

- (e) Identification, characterization, and verification techniques for CBR and explosive materials, precursors, and degradation products;
 - (f) Medical pretreatments, diagnostics, and therapeutics;
 - (g) Medical surveillance and epidemiology;
 - (h) Study of toxicology of agent exposure;
 - (i) Advanced medical countermeasures;
 - (j) Decontamination;
 - (k) Environmental fate of agents;
 - (l) CBR security and safeguards; and
 - (m) Emerging threats and special projects.
- (2) **Advanced Weapon Technology / Novel Explosives:**
- (a) Agent defeat technologies;
 - (b) Novel explosives
 - (c) Render safe and chemical neutralization of improvised and novel explosives;
 - (d) Hardened and deeply buried target defeat with conventional weapons;
 - (e) High-power microwaves for WMD device defeat;
 - (f) Information management for time-critical targeting; and
 - (g) Non-lethal weapons for peacekeeping.
- (3) **Special CBR and Explosives Technology Applications:**
- (a) Combating WMD devices;
 - (b) Remotely operated energetic devices;
 - (c) Explosive Ordnance Disposal (EOD) and special entry technologies;
 - (d) CBR agent defeat;
 - (e) Non-intrusive detection;
 - (f) Denied area navigation; and
 - (g) Quick demolition systems.
- (4) **Arms Control and Verification:**
- (a) Inspection and monitoring technologies;
 - (b) Detection / verification technologies; and
 - (c) Forensic / attribution technologies.

- (5) Base, Seaport, and Homeland Defense-Related Technology:
 - (a) Structural and Critical infrastructure modeling, planning, and protection methods
 - (b) Hazard assessment and warning;
 - (c) Vulnerability analyses methods and tools;
 - (d) Fire and smoke modeling;
 - (e) Assessments of industrial chemicals as threats;
 - (f) Physical Security and safeguards;
 - (g) Ballistic, Blast and Fragmentation Protection;
 - (h) Vehicle Protection; and
 - (i) Personnel Protection.

- (6) Unmanned Vehicle (UV) and Sensor Networking:
 - (a) CBR and explosive detection and combat assessment systems;
 - (b) Integrated UV, sensor, and information networks; and
 - (c) Sensor networking and common operating picture.

- (7) Technologies for Combating Terrorism and Improvised Explosive Device (IED) Systems:
 - (a) Technologies and techniques to predict, detect, prevent, neutralize, and mitigate the effects of IED and CBR dispersion devices;
 - (b) Detection of explosives and explosive devices including sensors, sensor systems, and associated technologies including change detection;
 - (c) Unmanned vehicles and robotic systems for carriage and deployment of surveillance, detection and defeat systems;
 - (d) Hard and soft kill devices and systems;
 - (e) Forensics and next generation biometrics relevant to device components and systems;
 - (f) Investigations of current and future threat developments and directions, operational issues, and trend analyses associated with detection, mitigation and defeat that contribute to definition of technology requirements;
 - (g) Test standards for detection and countermeasure development including performance testing and evaluation;
 - (h) Blast and fragmentation protection for personnel and vehicles; and
 - (i) Operational Assessment methods to support the development of technical countermeasures to defeat devices.

- (8) Joint Experimentation Information:
 - (a) Exercises and technology evaluations;
 - (b) Collaboration tools and common operating picture;
 - (c) Distributed continuous experimentation environment (DCEE) system and subsystem modeling and simulation; and
 - (d) Weapons of mass effects battle lab and technology expertise reachback.

- (9) Testing (lab and large-scale):
 - (a) Test sites and capabilities related to WMD threat reduction; and
 - (b) Advanced concept technology demonstration (ACTD) / advanced technology development (ATD) cooperation possibilities.

- (10) Modeling Asymmetric Threats
 - (a) Threat anticipation modeling and visualization tools; and
 - (b) Social science model development.

b. Highest classification of information to be exchanged: SECRET.

2. ESTABLISHMENTS AND AUTHORITIES CONCERNED:

a. For the United States Department of Defense:

(1) Establishments:

- (a) Defense Threat Reduction Agency
8725 John J. Kingman Rd
MSC 6201
Ft. Belvoir, VA 22060-6201

- (b) Air Force Nuclear Weapons & Counterproliferation Agency
Advanced Technology Division
1551 Wyoming Blvd SE
Kirtland AFB, NM 87117-5617

- (c) Director of Research and Technology
U.S. Army Edgewood Chemical Biological Center
ATTN: AMSRD-ECB-RT
5183 Blackhawk Road
Aberdeen Proving Ground, MD 21010-5424

- (d) Civilian Deputy Principal Assistant for Research and Technology
U.S. Army Medical Research and Materiel Command
ATTN: MCMR-ZB-DR
504 Scott Street
Fort Detrick, MD 21702-5012
- (e) CBR Defense Division (B50)
Naval Surface Warfare Center
17320 Dahlgren Road
Dahlgren, VA 22448-5100
- (f) Headquarters
Joint Improvised Explosive Device Defeat Organization
2521 South Clark Street
Suite 700
Arlington, VA 22202
- (g) Combating Terrorism Technology Task Force
Deputy Undersecretary of Defense
Advanced Systems and Concepts
The Pentagon, 3E144
3700 Defense Pentagon
Washington, DC 20301-3700

(2) Authorities:

- (a) Technical Project Officer:
Defense Threat Reduction Agency
Research and Development Enterprise
8725 John J. Kingman Rd
MSC 6201
Ft. Belvoir, VA 22060-6201
- (b) Associate Technical Project Officers:
 - 1. Defense Threat Reduction Agency
Chemical/Biological Technologies Directorate
8725 John J. Kingman Rd
MSC 6201
Ft. Belvoir, VA 22060-6201

2. Defense Threat Reduction Agency
Counter WMD Technologies Directorate
8725 John J. Kingman Rd
MSC 6201
Ft. Belvoir, VA 22060-6201
3. Defense Threat Reduction Agency
Nuclear Technologies Directorate
8725 John J. Kingman Rd
MSC 6201
Ft. Belvoir, VA 22060-6201
4. Defense Threat Reduction Agency
Systems Engineering Technologies Directorate
8725 John J. Kingman Rd
MSC 6201
Ft. Belvoir, VA 22060-6201
5. Air Force Nuclear Weapons & Counterproliferation Agency
Advanced Technology Division
1551 Wyoming Blvd SE
Kirtland AFB, NM 87117-5617
6. Director of Research and Technology
U.S. Army Edgewood Chemical Biological Center
ATTN: AMSRD-ECB-RT
5183 Blackhawk Road
Aberdeen Proving Ground, MD 21010-5424
7. Civilian Deputy Principal Assistant for Research and Technology
U.S. Army Medical Research and Materiel Command
ATTN: MCMR-ZB-DR
504 Scott Street
Fort Detrick, MD 21702-5012
8. CBR Defense Division (B50)
Naval Surface Warfare Center
17320 Dahlgren Road
Dahlgren, VA 22448-5100

9. Headquarters

Joint Improvised Explosive Device Defeat Organization
2521 South Clark Street
Suite 700
Arlington, VA 22202

10. Chairman

Combating Terrorism Technology Task Force
Deputy Undersecretary of Defense
Advanced Systems and Concepts
The Pentagon, 3E144
3700 Defense Pentagon
Washington, DC 20301-3700

b. For the Australian Department of Defence:

(1) Establishments:

- (a) Defence Science and Technology Organisation
PO Box 1500
Edinburgh South Australia 5111
- (b) Defence Science and Technology Organisation
PO Box 4331
Melbourne Victoria 3001

(2) Authorities:

- (a) Technical Project Officer:
Research Leader, Land Weapons Systems
Weapons Systems Division
PO Box 1500
Edinburgh South Australia 5111
- (b) Associate Technical Project Officers:
 - 1. Head, Threat Mitigation Group
Weapons Systems Division
PO Box 1500
Edinburgh South Australia 5111

2. Head, Weapons Effects
Weapons Systems Division
PO Box 1500
Edinburgh South Australia 5111
3. Dr Brian Craig
Electronic Warfare and Radar Division
PO Box 1500
Edinburgh South Australia 5111
4. Mr Angus Massie
Electronic Warfare and Radar Division
PO Box 1500
Edinburgh South Australia 5111
5. Head, Vehicle Protection
Maritime Platforms Division
PO Box 4331
Melbourne Victoria 3001
6. Head, Ballistic, Blast and Fragmentation Protection
Maritime Platforms Division
PO Box 4331
Melbourne Victoria 3001
7. Head, Fire, Smoke and Industrial Chemicals Modelling
Maritime Platforms Division
PO Box 4331
Melbourne Victoria 3001
8. Head, Unmanned Underwater and Surface Vehicle Technologies
Maritime Platforms Division
PO Box 4331
Melbourne Victoria 3001
9. Head, Novel Blast Protection
Maritime Platforms Division
PO Box 4331
Melbourne Victoria 3001

10. Head, Effects-Based Modelling and Analysis
Command and Control Division
PO Box 1500
Edinburgh South Australia 5111
11. Head, Chemical Warfare Agent Synthesis and Analysis
Human Protection and Performance Division
506 Lorimer Street
Fishermans Bend Victoria 3207
12. Head, Biological Countermeasures
Human Protection and Performance Division
506 Lorimer Street
Fishermans Bend Victoria 3207
13. Head, CBR Hazard Management
Human Protection and Performance Division
506 Lorimer Street
Fishermans Bend Victoria 3207
14. Head, CB and non-CB Protection of Personnel
Human Protection and Performance Division
506 Lorimer Street
Fishermans Bend Victoria 3207
15. Head, CBR Knowledge Integration
Human Protection and Performance Division
506 Lorimer Street
Fishermans Bend Victoria 3207
16. Head, NBC Arms Control
Human Protection and Performance Division
506 Lorimer Street
Fishermans Bend Victoria 3207
17. Head, Defence Nutrition
Human Protection and Performance Division
74 George Street
Scottsdale Tasmania 7260

3. CHANNELS OF CORRESPONDENCE, VISITS AND REQUESTS FOR INFORMATION:

Correspondence, visits, and requests for information between the Participants will be transmitted through the channels for correspondence prescribed in paragraph 3 of the Mutual Weapons Development Master Data Exchange Agreement via the U.S. Technical Project Officer, in lieu of a Project Officer. The U.S. Technical Project Officer has been delegated authority to address these matters directly.

4. RECIPROCITY OF INFORMATION EXCHANGE:

- a. Information exchanges will take place on a reciprocal basis, so that overall the value of information exchanged is approximately equivalent, taking into consideration criteria such as quality, quantity, and program schedules. The Participants further recognize, however, that information exchanges may not necessarily coincide in time.
- b. Any dispute regarding an alleged imbalance will be jointly addressed by the Technical Project Officers.

5. RESOURCE REQUIREMENTS:

Each Participant will be responsible for its own costs and contracting in the performance of this Annex. Each Participant's commitment to performance is subject to the availability of funds.

6. RESTRICTIONS PLACED ON PRODUCTION AND SOFTWARE DEVELOPMENT AND EXCHANGE OF INFORMATION WITH A THIRD COUNTRY:

- a. Information, including data provided under this Annex will be safeguarded and will not be further disseminated without prior written approval.
- b. Information exchanges under this Annex include modeling, simulation, and analysis software for research, development, test, evaluation, and experimentation purposes. Information prohibited from exchange includes manufacturing or production data, weapon system software and documentation, and the exchange/provision of defense equipment or services.
- c. Transfers of Project Information will be consistent with the furnishing Participant's applicable export control laws and regulations. To assist in providing the appropriate controls, the originating Participant will ensure that Controlled

Unclassified Information is appropriately marked to ensure its “in confidence” nature. The Participants’ export-controlled information will be marked in accordance with the applicable Participant’s export control markings. The Participants will also decide, in advance and in writing, on the markings to be placed on any other types of Controlled Unclassified Information.

- d. Information provided under this Annex will be used solely for information and evaluation purposes.

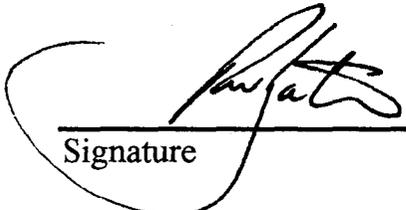
7. DURATION:

This Annex will expire ten (10) years from the date of last signature, unless the Mutual Weapons Development Data Exchange Agreement is earlier terminated. However, when it is considered necessary or beneficial for both Participants to extend this Annex, it may be extended for an additional five (5) years by written agreement of both Participants before its expiration. This Annex may be terminated by either Participant by providing written notice at least 60 days in advance of the proposed termination. It may be amended by the written agreement of both Participants.

8. IN WITNESS THEREOF, the duly authorized officials of the two Participants have executed this Annex No. DEA-D-06-AUS-0013 to the Mutual Weapons Development Master Data Exchange Agreement between the Government of the United States of America and the Government of Australia, as of the dates indicated below. This Annex will enter into effect upon the date on which the last signature is affixed below.

FOR THE AUSTRALIAN
DEPARTMENT OF DEFENSE:

FOR THE UNITED STATES
DEPARTMENT OF DEFENSE:



Signature



Signature

R.W. Gates

G. Peter Nanos, Jr.

Name

Name

Rear Admiral RAN,
Head, Australian Defence Staff,
Washington

Associate Director, Research and
Development,
Defense Threat Reduction Agency

Title

Title

14 August 2006

14 August 2006

Date

Date

Embassy of Australia, Washington, D.C.

Embassy of Australia, Washington, D.C.

Location

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