

**BY ORDER OF THE SECRETARY
OF THE AIR FORCE**

AIR FORCE INSTRUCTION 16-110

18 SEPTEMBER 2018



Operations Support

**USAF PARTICIPATION IN
INTERNATIONAL ARMAMENTS
COOPERATION (IAC) PROGRAMS**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

ACCESSIBILITY: Publications and forms are available on the e-Publishing website at www.e-Publishing.af.mil for downloading or ordering

RELEASABILITY: There are no releasability restrictions on this publication

OPR: SAF/IAPC

Certified by: SAF/IAP
(Mr. Michael R. Shoults)

Supersedes: AFI 16-110, 13 May 2013

Pages: 17

This publication implements Air Force Policy Directive (AFPD) 16-1, *Security Cooperation*, and supports the authorities derived from Titles 10 and 22 United States Code (U.S.C.); Department of Defense (DoD) Directive (DoDD) 5000.01, *The Defense Acquisition System*; DoD Instruction (DoDI) 2010.06, *Materiel Interoperability and Standardization with Allies and Coalition Partners*; DoDI 5000.02, *Operation of the Defense Acquisition System*; and DoDD 5530.3, *International Agreements*. This instruction supports the Air Force as it seeks to achieve the goals and objectives of the National Security Strategy (NSS), the National Defense Strategy (NDS), National Military Strategy (NMS), the DoD Guidance for Employment of the Force (GEF), DoD Better Buying Power 3.0, USAF Strategic Master Plan (SMP), Secretary of the Air Force (SECAF) science and technology (S&T) priorities, and Air Force Security Cooperation Flight Plan Annex A: Security Cooperation Strategy. It applies to all United States Air Force (USAF) personnel, including Air Force Reserve (AFR) and the Air National Guard (ANG), who prepare, manage, review, or participate in International Armaments Cooperation (IAC) activities. It covers the guidance, policies, and responsibilities that govern the management of IAC programs throughout the USAF. This instruction does not cover joint military arrangements or operations with allied nations that are under the purview of the Joint Chiefs of Staff and the Combatant Commands (CCMDs), nor does it address Security Assistance programs, including Foreign Military Sales. Refer to Air Force Manual (AFMAN) 16-101, *International Affairs and Security Assistance Management*, for Air Force Security Assistance policy and procedures. See AFMAN 16-114, *Procedures for USAF Participation in International Armaments Cooperation (IAC) Programs*, for details on implementing this instruction.

This instruction also complies with the requirements and guidance derived from DoDI 5200.39, *Critical Program Information (CPI) Protection Within the Department of Defense*, that reflect the balance necessary to include Allies and other friendly countries as partners in the research and development (R&D), acquisition, and life-cycle management of defense systems while adequately protecting critical program information. This AFI may be supplemented at any level, but all supplements must be routed to the Deputy Under Secretary of the Air Force, International Affairs, Armaments Cooperation Division (SAF/IAPC) for coordination prior to certification and approval. Refer recommended changes and questions about this publication to SAF/IAPC using AF Form 847, *Recommendation for Change of Publication*; route AF Form 847 from the field through the appropriate functional chain of command. Requests for waivers must be submitted to SAF/IAPC for consideration and approval. Ensure all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual 33-363, *Management of Records*, and disposed of in accordance with the Air Force Records Disposition Schedule located in the Air Force Records Information Management System. The authorities to waive wing/unit level requirements in this publication are identified with a Tier (“T-0, T-1, T-2, T-3”) number following the compliance statement. See AFI 33-360, *Publications and Forms Management*, for a description of the authorities associated with the Tier numbers. Submit requests for waivers through the chain of command to the appropriate Tier waiver approval authority, or alternately, to the requestors commander for non-tiered compliance items.

SUMMARY OF CHANGES

This document has been revised and needs to be completely reviewed. Major changes are adding and amending roles and responsibilities, depicting organizational consolidation and realignment. This publication also updates IAC procedures and programs’ implementation. This version includes guidance for technologies that require additional review by DoD organizations, before the USAF may enter into an international agreement. Since this AFI has been modified, it must be reviewed in total.

1. Overview

1.1. **Purpose.** Manage USAF participation in International Armaments Cooperation (IAC) programs to successfully achieve goals and objectives outlined in the National Security Strategy (NSS), the National Defense Strategy (NDS), National Military Strategy (NMS), DoD International Engagements Strategy, USAF Strategic Master Plan (SMP), Secretary of the Air Force (SECAF) Science and Technology (S&T) priorities, and the Air Force Security Cooperation Flight Plan Annex A: Security Cooperation Strategy.

1.2. **Scope .** This AFI provides instruction for USAF organizations to implement IAC Programs. As used herein, IAC refers to the broad range of international activities in which the DoD and a foreign government(s) jointly manage efforts to satisfy common military requirements through cooperation in research, development, test, evaluation, acquisition, and production, in support of air, space, and cyberspace technology and systems.

1.2.1. This AFI covers stakeholders' roles and responsibilities to implement IAC activities; the myriad of IAC Agreements that serve as enablers for USAF organizations; and associated IAC Programs for USAF proponents: Foreign Comparative Testing (FCT) program; International Cooperative R&D program (ICR&D); Cooperative Warfare Program (CWP); and the Engineer and Scientist Exchange Program (ESEP)/Administrative Professional Exchange Program (APEP).

1.2.2. AFMAN 16-114, *Participation in International Armaments Cooperation Programs*, contains detailed information on USAF IAC Programs and their processes/procedures.

2. Roles and Responsibilities

2.1. The Deputy under Secretary of the Air Force, International Affairs (SAF/IA) will:

2.1.1. Promote USAF-wide participation in IAC programs that build partnerships and partner(s) capacity to promote interoperability, integration, and interdependence, as appropriate.

2.1.2. Approve USAF participation in IAC programs after consideration of policy, operational requirements, technology transfer, funding, and other issues.

2.1.3. Seek access to world-class Research, Development, Test, and Evaluation (RDT&E), including foreign Non-Developmental Items (NDI), through cooperative arrangements with partner nations.

2.1.4. Use USAF and partner government IAC resources efficiently to reduce costs and avoid duplication of effort.

2.1.5. Serve as the lead USAF representative to the Security Cooperation Enterprise for matters pertaining to international armaments cooperation activities.

2.1.6. Sign International Agreements (IAs), or delegate signature authority for IAs, after obtaining appropriate approvals.

2.1.7. Sign Appointment Letters; Roles and Responsibilities Memorandums' for IAs, where appropriate

2.2. The Deputy Under Secretary of the Air Force, International Affairs, Director of Policy, Programs and Strategy (SAF/IAP) will:

2.2.1. Assist in the overall supervision and direction of IAC policies/procedures.

2.2.2. Sign IAs when appropriate as delegated by SAF/IA.

2.3. The Deputy Under Secretary of the Air Force, International Affairs, Armaments Cooperation Division (SAF/IAPC) will:

2.3.1. Serve as the USAF Office of Primary Responsibility (OPR) for Air, Cyber, and Space international armaments cooperation agreements and IAC related duties.

2.3.2. Advise USAF and DoD organizations on mechanisms for cooperation, international partner opportunities, and policy considerations.

2.3.3. Develop Engagement Plans for USAF organizations for promoting interests on behalf of USAF organizations for international acquisition cooperation.

- 2.3.4. Guide and advise on exploratory discussions with international Partners.
- 2.3.5. Upon receipt of delegated authority, lead the development, negotiation, and establishment of cooperative mechanisms such as bilateral/multilateral program agreements, RDT&E agreements, project arrangements/agreements, information/data exchanges, terms of references, equipment and material transfers, personnel exchanges, etc. on behalf of the USAF.
- 2.3.6. Ensure program or project agreement identifies an assigned Program Manager (PM) and Test Manager (TM) with accompanying responsibilities.
- 2.3.7. Liaise and coordinate with USAF and DoD organizations to explore international efforts where applicable.
- 2.3.8. Liaise and communicate with potential foreign partners to identify new cooperative IAC interests as well as build and maintain relationships.
- 2.3.9. Provide international visit support for USAF organizations going abroad or international partners coming to the U.S. for visits that focus on building partnerships in international armaments cooperation.
- 2.3.10. Provide overall USAF policy guidance for IAC participation.
- 2.3.11. Identify training opportunities for USAF personnel engaged in IAC activities.
- 2.3.12. Manage, plan, program, budget, and administer the Program Elements (PEs) for International Activities and ICR&D Program.
- 2.3.13. Promote / advocate IAC by conducting periodic outreach to USAF organizations on IAC equities.
- 2.3.14. Assist SAF/AQ in dealing with the international dimensions of USAF acquisition programs and in assessing IAC opportunities.
- 2.3.15. Assist in harmonizing U.S. and foreign military requirements to foster IAC projects by coordinating with the Deputy Chief of Staff, Operations, Plans and Requirements (AF/A3), other HQ USAF offices, and MAJCOMs.
- 2.3.16. Monitor and oversee MAJCOM implementation of IAC programs, projects, and associated agreements.
- 2.3.17. Coordinate and lead the International Cooperative Agreement Teams (ICATs) to synchronize all USAF stakeholder equities into the development/establishment of an IAC IA.
- 2.3.18. . Review proposed IAC projects and staff supporting documentation for HQ USAF approval and coordinate with OUSD(A&S)/IC, as appropriate.
- 2.3.19. Develop and negotiate other categories of international agreements, on a case-by-case basis, in accordance with DoDD 5530.3, DoDD 5230.20, *Visits, Assignments, and Exchanges of Foreign Nationals*, and AFI 51-701, *Negotiating, Concluding, Reporting, and Maintaining International Agreements*
- 2.3.20. Serve as the Lead Agent for the ICR&D Program, ESEP and APEP.

2.3.21. Serve as the approval authority for non-domestic Cooperative Research and Development Agreements (CRADAs).

2.3.22. Serve as USAF Representative for OUSD A&S/IC CWP and OUSD R&E's Emerging Capability and Prototyping FCT Program.

2.3.23. Chair the annual Headquarters Air Force (HAF) ICR&D Project Selection Panel and ESEP Selection Panel.

2.3.24. Advise on options and responsibilities when IA execution requirements are in question.

2.4. The Deputy Under Secretary of the Air Force, International Affairs, Foreign Disclosure, Weapons and Technology Transfer Division (SAF/IAPT) will:

2.4.1. Review IAs and supporting documentation to ensure consistency with National Disclosure Policy (NDP) and export control regulations, and that USAF operational and technical concerns are addressed.

2.4.2. Develop and request disclosure exceptions to NDP required to support USAF IAC initiatives and advocate for disclosure, weapons and technology transfer requirements within the interagency.

2.4.3. In collaboration with the Assistant Secretary of the Air Force for Acquisition, Special Programs, Operational, and Export Policy Division (SAF/AQLS), review and coordinate international agreements and supporting documentation pertaining to USAF Low Observable/Counter Low Observable (LO/CLO) programs requiring additional review or approval from DoD offices or agencies prior to entering into any international agreement.

2.4.4. Contact the Assistant Secretary of the Air Force for Acquisition, Special Programs (SAF/AQL), the USAF LO/CLO representative, to initiate the LO/CLO review process when IA's deal with systems or technologies that require additional review by the LO/CLO Executive Committee (EXCOM).

2.4.5. Coordinate with the USAF Tri-Service Committee (TSC) representative in SAF/AQL to initiate TSC review when agreements deal with systems or technologies covered in DoDM S-5230.28, *International Transfer Guidance for Low Observable/Counter Low Observable Technologies and Systems*.

2.4.6. Develop and disseminate disclosure, weapons and technology transfer guidance and policy to support IAC activities.

2.4.7. Provide appropriate personnel as members of ICATs, negotiation teams, and delegations to international forums and meetings, as required, in support of IAC activities.

2.5. The Deputy Under Secretary of the Air Force, International Affairs, Programing and Resources Division (SAF/IAPR) will:

2.5.1. Perform budget execution of IAC financial activities in support of ICR&D, ESEP, APEP, and NATO IAC programs to include: development of budget execution and spend plans; validation of current and future year budget requirements; and distribution, oversight, and reconciliation of program funds.

2.5.2. Represent IAPC, annually, in the Air Force corporate structure to defend RDT&E funds.

2.6. The Deputy Under Secretary of the Air Force, International Affairs, Strategy and Plans Division (SAF/IAPS) will:

2.6.1. Ensure that IAC is addressed in the Air Force Security Cooperation Flight Plan and other USAF strategy documents as appropriate.

2.6.2. Provides support for IAC activities as required.

2.7. The Deputy Under Secretary of the Air Force, International Affairs, Director of Regional Affairs (SAF/IAR) divisions will:

2.7.1. Coordinate closely with the IAC community to identify and / or consider IAC opportunities.

2.7.2. Ensure IAC opportunities are vetted with theater Combatant Commands (CCMDs) and associated country teams to ensure consistency and compliance with DoD and USAF international engagement policy and objectives.

2.7.3. Participate as appropriate in conferences, meetings, planning sessions, ICATs, forums, and other IAC activities to ensure consistency and compliance with theater CCMD, country team, and USAF international engagement policy and country specific objectives.

2.7.4. Coordinate with SAF/IAPC to ensure that all IAC activities are included/documented in the specific Country Paper(s) to ensure senior office/leader visibility into all country specific Security Cooperation programs.

2.8. The Assistant Secretary of the Air Force for Acquisition (SAF/AQ), including Air Force Program Executive Officers (PEOs) and the Technology Executive Officer (TEO), will:

2.8.1. Ensure cooperative opportunities are evaluated within the program acquisition strategy prior to milestone reviews.

2.8.2. Team with SAF/IA to initiate preliminary or exploratory discussions for IAs through liaisons with foreign governments.

2.8.3. Coordinate on IAs to ensure consistency with USAF science, technology, and acquisition policies and objectives, as required

2.8.4. Designate a PM and TM to the program with requisite responsibilities.

2.8.5. Execute IAC programs in accordance with existing IAs.

2.8.6. Provide U.S. Principal to the NATO Alliance Ground Surveillance (AGS), NATO Airborne Warning and Control System (AWACS), NATO Air Command and Control System (ACCS), NATO Alliance Future Surveillance and Control (AFSC), and NATO Air Force Armaments Group (NAFAG) to ensure appropriate USAF acquisition representation in all forums and panels that support IAC objectives. Approve USAF participation in technical panels, groups, and committees under the Science and Technology Organization (STO) as required.

2.8.7. Initiate the Low Observable/Counter Low Observable (LO/CLO) review process when IAs deal with systems or technologies that require additional review by the LO/CLO Executive Committee (EXCOM).

2.8.8. Provide appropriate personnel as members of ICATs, negotiation teams, and delegations to international forums and meetings supporting IAC, as required.

2.8.9. Ensure USAF programs comply with Program Protection Planning and Anti-Tamper (AT) requirements prior to committing to international cooperation on the program, including rough order of magnitude (ROM) pricing.

2.8.10. Consistent with AFI 63-101/20-101, *Integrated Life Cycle Management*, paragraph 6.3. Program Protection Planning, ensure USAF acquisition programs and USAF Research and Development (R&D) projects assess Critical Program Information (CPI), and corresponding Program Executive Office (PEO) / Technical Executive Office (TEO) Director of Engineering validate the CPI Assessment. The validated Critical Program Information (CPI) Assessment is forwarded to the USAF Anti-Tamper (AT) Lead (SAF/AQL) for concurrence and CPI protection using AT prior to committing to international cooperation, including ROM pricing.

2.9. The Assistant Secretary of the Air Force, Financial Management and Comptroller (SAF/FM) will:

2.9.1. Verify funding availability and equitability requirements of the DoD Financial Management Regulation (FMR) are met for agreements being officially staffed for coordination.

2.9.2. Review, validate, and fund IAPC unfunded requirements as appropriate.

2.10. The Secretary of the Air Force, General Counsel (SAF/GC) will:

2.10.1. Provide expert legal advice in support of development, negotiation, and execution of IAC efforts.

2.10.2. Coordinate on all IAs, International OTs, and non-domestic Cooperative Research and Development Agreements (CRADAs) to ensure legal sufficiency of potential programs and projects.

2.10.3. Monitor compliance with the requirements of DoDD 5530.3, *International Agreements*.

2.10.4. Provide review and concurrence before any draft proposed international agreement is tendered to a prospective party, initialed or concluded, and before any unilateral commitment is made to a foreign government.

2.10.5. Provide appropriate personnel as members of ICATs, negotiation teams, and delegations to international forums and meetings related to IAC, as required.

2.11. Assistant Secretary of the Air Force for Installations, Environment, and Logistics (SAF/IE) will:

2.11.1. Consult with SAF/IA on all cooperative energy or environmental agreements that involve foreign partners or international organizations.

2.11.2. Provide appropriate personnel as members of ICATs, negotiation teams, and delegations at international forums and meetings, as required.

2.12. Deputy Chief of Staff, Operations (AF/A3) will:

2.12.1. Harmonize U.S. and foreign military requirements to foster IAC projects in coordination with SAF/IA, SAF/AQ, other HQ USAF offices, and MAJCOMs.

2.12.2. Assist in identifying IAC opportunities.

2.12.3. Provide appropriate personnel as members of ICATs, negotiation teams, and delegations at international forums and meetings, as required.

2.13. Deputy Chief of Staff, Strategic Plans and Requirements (AF/A5/8) will:

2.13.1. Coordinate with SAF/IA on security cooperation activities involving IAC.

2.13.2. Provide appropriate personnel as members of ICATs, negotiation teams, and delegations at international forums and meetings, as required.

2.14. Director, Air Force Test and Evaluation (AF/TE) will:

2.14.1. Review IAC staffing packages to ensure consistency with USAF Test and Evaluation (T&E) policy and compliance with USAF T&E objectives.

2.14.2. Assist in identifying cooperative partnering opportunities.

2.14.3. Provide appropriate personnel as members of ICATs, negotiation teams, and delegations at international forums and meetings, as required.

2.15. Air Force Research Lab (AFRL) will:

2.15.1. Identify and assess international collaboration opportunities for value and fit within Technology Directorates' S&T strategy to satisfy AFRL, USAF, and/or Joint objectives. (T-2)

2.15.2. Provide appropriate personnel as members of ICATs, negotiation teams, review panels, and delegations at international forums and meetings, as required. (T-2)

2.15.3. Assist prospective Technical Project Officers (TPOs) in developing IAC agreement documentation. (T-2)

2.15.4. Plan and execute Technical Working Groups (TWG) and support Air Senior National Representative (ASNR) forums, as requested by SAF/IA, with selected international partners and maintain an international schedule to support major forums. (T-2)

2.15.5. Coordinate and consolidate responses on SAF/IA calls for International Cooperative, Research, and Development (ICR&D) Program, Coalition Warfare Program (CWP), Foreign Comparative Testing (FCT) Program, and Engineer and Scientist Exchange Program (ESEP) proposals. (T-2)

2.15.6. Ensure AFRL compliance with requirements of international agreements (IAs), and, if necessary, report non-compliance to SAF/IAPC. (T-2)

2.15.7. Provide and manage spend plan of supplemental budget provided by SAF/IAPC. (T-2)

2.15.8. Execute and report IAC program development and progress in accordance with existing IAs, provide periodic and final reports to SAF/IA. (T-2)

2.15.9. Through a formal comparative test and evaluation process, provide information to SAF/IAPC and other agencies as to the ability of foreign systems, equipment, or technologies to satisfy USAF requirements. (T-2)

2.15.10. Draft IA requisite package documents (e.g., Technical Planning Document (TPD), Summary Statement of Intent (SSOI)[U.S. only], DRAFT Delegation of Disclosure Authority Letter (DDL)[U.S. only], DRAFT PA [U.S. only], Quid Pro Quo (QPQ) Document [U.S. only], and DRAFT Information Exchange Agreement / Data Exchange Agreement (IEA/DEA) [U.S. only]). (T-2)

2.15.11. Provide periodic status reports to SAF/IA on IA, ICR&D, FCT, CWP, ESEP, and any supplemental budget provided. (T-2)

2.16. Air Force Space Command

2.16.1. Provide appropriate personnel as members of ICATs, negotiation teams, and delegations at international forums and meetings, as required.

2.16.2. Initially draft IA requisite package documents (e.g., Technical Planning Document (TPD), Summary Statement of Intent (SSOI)[U.S. only], DRAFT Delegation of Disclosure Authority Letter (DDL)[U.S. only], DRAFT PA [U.S. only], Quid Pro Quo (QPQ) Document [U.S. only], and DRAFT Information Exchange Agreement / Data Exchange Agreement (IEA/DEA) [U.S. only]).

2.16.3. Coordinate and consolidate responses on SAF/IA calls for ICR&D, CWP, and FCT.

2.16.4. Assist prospective Technical Project Officers (TPOs) in developing IAC agreement documentation.

2.16.5. Provide periodic status reports to SAF/IA on IA, ICR&D, and CWP.

2.17. All other MAJCOMs will:

2.17.1. Serve as the central conduit for all DDLs, prior to entry into SAF/IAPT.

2.17.2. Identify and assess international technology opportunities for strategic fit and importance to the directorate, AFRL, and the USAF.

2.17.3. Assist prospective Technical Project Officers (TPOs) in developing IAC agreement documentation.

2.17.4. Coordinate and consolidate responses on SAF/IA calls for ICR&D, CWP, FCT, and ESEP proposals.

2.17.5. Provide information to SAF/IAPC on alternative foreign systems, equipment, or technologies that can be evaluated, through T&E process, to determine whether they can satisfy USAF requirements and offer advantages in cost, schedule, or performance.

2.18. HQ USAF Offices and Direct Reporting Unit (DRU), and Field Operating Agency (FOA) Commanders or Lead Civilian Authority will:

2.18.1. Serve as the central conduit for all DDLs, prior to entry into SAF/IAPT. (T-2)

2.18.2. Identify and assess international technology opportunities for strategic fit and importance to the directorate, AFRL, and the USAF. (T-2)

2.18.3. Assist prospective Technical Project Officers (TPOs) in developing IAC agreement documentation. (T-2)

2.18.4. Coordinate and consolidate responses on SAF/IA calls for ICR&D, CWP, FCT, and ESEP proposals. (T-2)

2.18.5. Provide information to SAF/IAPC on alternative foreign systems, equipment, or technologies that can be evaluated, through T&E process, to determine whether they can satisfy USAF requirements and offer advantages in cost, schedule, or performance. (T-2)

3. IAC Agreements. The IA is the enabler for USAF organizations to pursue a cooperative partnership. IAs can range from small S&T efforts to multi-million dollar, multinational projects or programs. Regardless of the activity, IAs are predicated on mutual and equitable sharing of effort, cost, and risk; and they share the resulting information, equipment, or other benefits equitably. The participating partners commit to these arrangements in a formal IA such as a Memorandum of Understanding (MOU), a Memorandum of Agreement (MOA), a Project Agreement or Project Arrangement (PA), an Equipment and Material Transfer Arrangement (E&MTA), a Test and Evaluation Program (TEP) Agreement, or other similar type of mechanism. IAs can be concluded (signed) with one or more foreign governments or with an international governmental organization subject to appropriate approvals within the USAF, DoD, and State Department when needed. The appropriate IA typology depends upon the nature of the cooperative effort. All official IAs require a written final report upon completion to enable the USAF to capitalize on lessons learned. AFMAN 16-114 contains further information about the staffing and authority to process IAs.

3.1. The MOA/MOU addresses the full range of development and acquisition activity, from basic research to production and cooperative logistics. Proponents for an IAC effort may seek to establish an MOA/MOU to focus on a specific program or as a framework (master) agreement enabling several phases or projects which are determined in subsequent PAs.

3.2. PAs are implementing arrangements, not stand-alone agreements; they are always associated with a framework agreement such as an MOU/MOA. PAs detail the provisions of collaboration on specific projects between two or more parties. The PA details the project objectives, scope of work, management structure, financial arrangements, contractual arrangements, security classification, and any additional specific provisions that are not already identified in the associated MOU/MOA.

3.3. E&MTAs provide a means for the USAF to loan or borrow defense equipment or materiel for Research, Development, Test, and Evaluation (RDT&E) purposes. Under the provisions of Section 65 of the Arms Export Control Act (Title 22 U.S.C. § 2796d), the USAF may enter into bilateral loan agreements with a country that is a NATO member nation or major non-NATO ally, as designated under Section 517 of the Foreign Assistance Act (Title 22 U.S.C. § 2321k), to loan, or accept as a loan or gift, selected material, equipment, and supplies without charge for cooperative RDT&E purposes. However, the USAF cannot expend any funds in support of such a loan. The sharing of test results or exchange of technical information generated from the use of the loaned equipment represents

equitability for these no-cost loans. The loan of equipment may also be part of an MOA/MOU or PA for cooperative development purposes.

3.4. Developmental and Operational Test and Evaluation (T&E) agreements pertain to test and evaluation activities of fielded, or soon to be fielded, operational systems and are implemented through a framework MOU/MOA. T&E MOU/MOAs establish the broad terms and conditions for reciprocal and/or cooperative T&E-related projects, information exchange, working group formation, project equipment transfers, and familiarization visits with corresponding annexes to the MOU/MOAs that can be developed and signed between two or more partners. Acquisition or production programs and the provision of educational and training services are outside the scope of T&E MOUs/MOAs.

3.5. **Information Exchange Annex (IEA)/Data Exchange Annex (DEA).** IEAs are annexes to specific framework agreements and are developed for the exchange of RDT&E information on a reciprocal, balanced basis such that the RDT&E information exchanged between parties will be of approximately equivalent value. These annexes identify data associated with specific technology areas that can be exchanged and often involve the exchange of reports, technical documents, and related information.

3.6. **Personnel Exchange Agreements.** Personnel exchange agreements are MOAs/MOUs that facilitate reciprocal exchanges for active duty and / or permanent civilian personnel.

4. IAC Programs. SAF/IA administers a series of IAC Programs that are available for USAF proponents in order to execute the IAC mission. AFMAN 16-114 provides greater fidelity on the process and requirements for use of IAC Programs.

4.1. The FCT program tests and evaluates foreign Non-Developmental Items (NDI) that demonstrate potential to satisfy U.S. military requirements. The Comparative Technology Office (CTO) reports to the Deputy Assistant Secretary of Defense for Emerging Capability and Prototyping (DASD EC/P), through the Office of Under Secretary of Defense for Research and Engineering (OUSD(R&E)). CTO plans, programs, and budgets for FCT program funding and selects candidate projects endorsed by HQ USAF.

4.2. The Engineer and Scientist Exchange Program (ESEP) and the Administrative and Professional Exchange Program (APEP) help achieve IAC objectives by facilitating placements related to RDT&E activities. IAC personnel programs' legal authorities are Title 10 U.S.C. §§ 311 and 8013. DoDD 5230.20, *Visits and Assignments of Foreign Nationals*, DoDD 5530.3 *International Agreements*, and AFI 51-701, *International Agreements*, prescribe the regulatory guidance for those respective programs.

4.3. The ICR&D Program is governed by Title 10 U.S.C. § 2350a. The ICR&D program provides U.S. "seed" funding to USAF Research and Development (R&D) components to capitalize on international cooperative opportunities with NATO Allies, NATO organizations, major non-NATO Allies, and Friendly Foreign Countries (FFCs) in order to enhance conventional defense capabilities, improve interoperability, address strategic technology gaps, and build and sustain defense partnerships. SAF/IAPC plans, programs, and budgets the USAF ICR&D Program.

4.4. The International Activities Program Element is another SAF/IAPC instrument, providing funding to establish, sustain, expand, and enhance mutually beneficial international partnerships through the implementation of air, space, and cyber IAC agreements. These funds are used to explore, develop, negotiate, and conclude IAs which: significantly improve U.S. and allied conventional defense capacity and capabilities; accelerate the availability of defense systems; realize solutions to meet capability gaps; acquire, upgrade, sustain, and/or support common or interoperable equipment with our Allies; create cooperative acquisition, production, or logistic partnerships; promote mutual and equitable sharing of effort, cost, information, and risk; provide operational access; leverage economies of scale; and promote interoperability and commonality with our Allies. These funds primarily support ancillary costs to researchers and scientist to conduct exploratory discussions that will eventually lead to an IA and provide financial support to the ESEP and APEP Programs. SAF/IAPC plans, programs, and budgets the International Activities Program.

4.5. CWP is authorized pursuant to Title 10 U.S.C. § 2350a and Title 22 U.S.C. § 2767 (Section 27 of the Arms Export Control Act [AECA]). The CWP is a supplemental RDT&E funding stream administered by OUSD(A&S)/IC for DoD organizations to enhance and increase coalition capabilities in support of operational, technological, or political objectives. CWP promotes interoperability in support of coalition warfare by early identification of operational issues that can be overcome with innovative solutions in areas such as architectures, requirements, and systems acquisitions. OUSD(A&S)/IC plans, programs, and budgets for CWP funding and selects candidate projects endorsed by HQ USAF.

HEIDI H. GRANT
Deputy Under Secretary of the Air Force
International Affairs

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

National Defense Strategy (NDS), January 2018

National Military Strategy (NMS)

(http://www.jcs.mil/Portals/36/Documents/Publications/2015_National_Military_Strategy.pdf)

) DoD Guidance for Employment of the Force (GEF)

DoD Better Buying Power 3.0,

(<https://www.acq.osd.mil/fo/docs/betterBuyingPower3.0> (9Apr15).pdf)

USAF Strategic Master Plan

(http://www.af.mil/Portals/1/documents/Force%20Management/Strategic_Master_Plan.pdf)

) Federal Acquisition Regulation (FAR) (<https://www.acquisition.gov/?q=browsefar>)

AFPD 16-1, *Security Cooperation*,

Title 10 U.S.C. § 2350a, *Cooperative research and development agreements: NATO organizations; allied and friendly foreign countries*

Title 22 U.S.C. § 2767, *Authority of President to enter into cooperative projects with friendly foreign countries*

DoDD 5000.1, *The Defense Acquisition System*, 12 May 2003

DoDI 2010.06, *Materiel Interoperability and Standardization with Allies and Coalition Partners*

DoDI 5000.02, *Operation of the Defense Acquisition System*

AFMAN 16-114, *Procedures for USAF Participation in International Armaments Cooperation (IAC) Programs*

AFMAN 33-363, *Management of Records*

DoDD 5530.3, *International Agreements*

DoDD 5230.20, *Visits and Assignments of Foreign Nationals*

AFI 51-701, *Negotiating, Concluding, Reporting, and Maintaining International Agreements*

National Policy and Procedures for the Disclosure of Classified Military Information to Foreign Governments and International Organizations (NDP-1)

DoDI S-5230.28, *Low Observable (LO) and Counter Low Observable (CLO) Programs (U)*

DoDI 5200.39, *Critical Program Information (CPI) Identification and Protection Within Research, Development, Test, and Evaluation (RDT&E)*

AFI 63-101_20-101, *Integrated Life Cycle Management*

DoD7000.14-R, *Financial Management Regulation*

Title 22 U.S.C. § 2796d, *Loan of materials, supplies, and equipment for research and development purposes*

Title 22 U.S.C. § 2312k, *Designation of Major Non-NATO Allies*

2017 National Defense Authorization Act Section 311, *Exchange of Defense Personnel between United States and Friendly Foreign Countries*

Abbreviations and Acronyms

ACAT—Acquisition Category

AECA—Arms Export Control Act

AF/A3—Deputy Chief of Staff, Operations

AF/A5/8—Deputy Chief of Staff, Strategic Plans and Requirements

AFDD—Air Force Doctrine Document

AFI—Air Force Instruction

AFMAN—Air Force Manual

AFPD—Air Force Policy Directive

AFRC—Air Force Reserve Command

AF/TE—Director, Air Force Test and Evaluation

ANG—Air National Guard

APEP—Administrative and Professional Exchange Program

CCMD—Combatant Command

CPI—Critical Program Information

CRADA—Cooperative Research and Development Agreement

CTO—Comparative Technology Office

CWP—Coalition Warfare Program

DASD/EC—Deputy Assistant Secretary of Defense for Emerging Capability

DoD—Department of Defense

DoDD—Department of Defense Directive

DoDI—Department of Defense Instruction

DOS—Department of State

DRU—Direct Reporting Unit

E&MTA—Equipment and Material Transfer Arrangement

ESEP—Engineer and Scientist Exchange Program

EXCOM—Executive Committee

FCT—Foreign Comparative Testing

FMR—Financial Management Regulation

FOA—Field Operating Agency

GEF—Guidance for the Employment of the Force

HQ USAF—Headquarters USAF

IA—International Agreement

IAC—International Armaments Cooperation

ICAT—International Cooperative Agreement Team

ICR&D—International Cooperative Research and Development

LO/CLO—Low Observable/Counter Low Observable

MAJCOM—Major Command

MOA—Memorandum of Agreement

MOU—Memorandum of Understanding

NAFAG—NATO Air Force Armament Group

NATO—North Atlantic Treaty Organization

NDI—Non-Developmental Items

NDP—National Disclosure Policy

NDS—National Defense Strategy

NSS—National Security Strategy

OPR—Office of Primary Responsibility

OUSD(R&E)—Office of the Under Secretary of Defense (Research and Engineering)

OUSD(A&S)/IC—Office of the Under Secretary of Defense (Acquisition and Sustainment)/International Cooperation

PE—Program Element

PEO—Program Executive Officer

PM—Program Manager

R&D—Research and Development

RDT&E—Research, Development, Test, and Evaluation

ROM—Rough Order of Magnitude

S&T—Science and Technology

SAF/AQ—Assistant Secretary of the Air Force for Acquisition

SAF/AQL—Assistant Secretary of the Air Force for Acquisition, Special Programs

SAF/AQLS—Assistant Secretary of the Air Force for Acquisition, Special Programs, Operational and Export Policy Division

SAF/FM—Assistant Secretary of the Air Force, Financial Management and Comptroller

SAF/GC—Air Force General Counsel

SAF/IA—Deputy Under Secretary of the Air Force, International Affairs

SAF/IAP—Deputy Under Secretary of the Air Force, International Affairs, Director of Policy, Programs & Strategy

SAF/IAPC—Deputy Under Secretary of the Air Force, International Affairs, Armaments Cooperation Division

SAF/IAPR—Deputy Under Secretary of the Air Force, International Affairs, Programing and Resources Division

SAF/IAPS—Deputy Under Secretary of the Air Force, International Affairs, Strategy and Plans Division

SAF/IAPT—Deputy Under Secretary of the Air Force, International Affairs, Foreign Disclosure, Weapons & Technology Transfer Division

SAF/IAR—Deputy Under Secretary of the Air Force, International Affairs, Director of Regional Affairs

SAF/IE—Assistant Secretary of the Air Force for Installations, Environment, and Logistics

SMP—Strategic Master Plan

STO—Science and Technology Organization

T&E—Test and Evaluation

TEP—Test and Evaluation Program

TEO—Technology Executive Officer

TSC—Tri-Service Committee

TM—Test Manager

USAF—United States Air Force

U.S.C—United States Code

Terms

Conclude —The act of signing, initialing, responding, or otherwise indicating the acceptance of an international agreement by the U.S.

International Agreement (IA) —Any agreement concluded with one or more foreign governments (including their agencies, instrumentalities, or political subdivisions) or with an international organization, that:

- (1) Is signed or agreed to by any DoD Component, or by representatives of the Department of State (DOS) or any other Department or Agency of the U.S. Government,
- (2) Signifies the intention of the parties to be bound in international law, and,

(3) Is denominated as an IA or as an MOU, MOA, memorandum of arrangements, exchange of notes, exchange of letters, technical arrangement, protocol, note verbal, aide memoir, agreed minute, contract, arrangement, statement of intent, letter of intent, statement of understanding, or any other name connoting a similar legal consequence.

(See additional aspects of this term in DoDD 5530.3 and AFI 51-701)

Interoperability —The ability of systems, units, or forces to provide data, information, material, and services to and accept services from other systems, units, or forces and to use the data, information, material, and services so exchanged to enable them to cooperate effectively together.

Memorandum of Agreement (MOA) —An agreement concluded with one or more foreign governments including their agencies, instrumentalities, or political subdivisions, or with an international organization that is signed or agreed to by authorized personnel of a DoD Component, or by representatives of the DOS or any other Department or Agency of the U.S. Government and signifies the intention of the signatories to be bound in international law.

Memorandum of Understanding (MOU) —MOUs are a politically binding instrument, not an international agreement. MOU's are only used with Chapeau countries and Japan. The Chapeau countries are Australia, Canada, New Zealand, and the United Kingdom. Chapeau requires a one-time legally binding IA between the U.S. government and each Chapeau Government. Conversely, Japan requires the exchange of diplomatic notes for a legally binding IA.

Program Executive Officer (PEO) —The individual dedicated to executive management and supervision of a portfolio of mission-related Acquisition Category (ACAT) and selected programs. The PEO shall be chartered by and is accountable to the Service Acquisition Executive (SAE).

Program Manager (PM) —The DoDD 5000.01-designated individual with responsibility for and authority to accomplish program objectives for development, production, and sustainment to meet the user's operational needs. The PM for programs shall be accountable for credible cost, schedule, performance, and materiel readiness. ACAT I and ACAT II PMs shall be approved by the SAE and the PEO. Delegated ACAT II and III PMs shall be approved by the PEO.

Proponent —The person who has a concept for international cooperation and that will be advocating and developing the necessary documentation to establish an international agreement. The person may be from a MAJCOM, HQ USAF, or other AF Organization.