

Foreign Comparative Testing (FCT)

Program Overview

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Director
Foreign Comparative Testing

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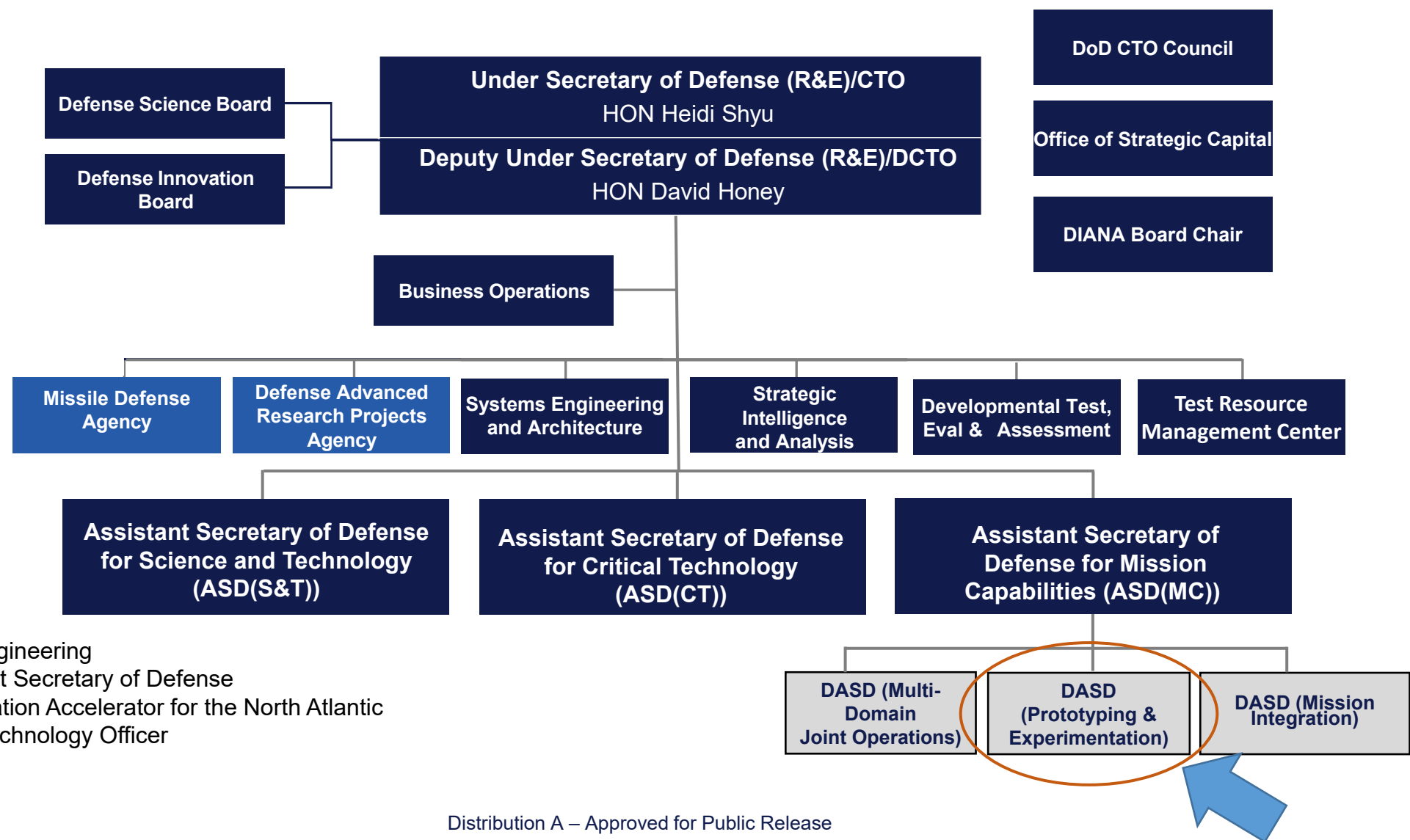
OFFICE OF PREPUBLICATION AND SECURITY REVIEW





OUSD (R&E) Organizational Structure

■ Defense Agency



KEY

- R&E: Research and Engineering
- DASD: Deputy Assistant Secretary of Defense
- DIANA: Defense Innovation Accelerator for the North Atlantic
- DCTO: Deputy Chief Technology Officer



Foreign Comparative Testing (FCT)

FCT Mission:

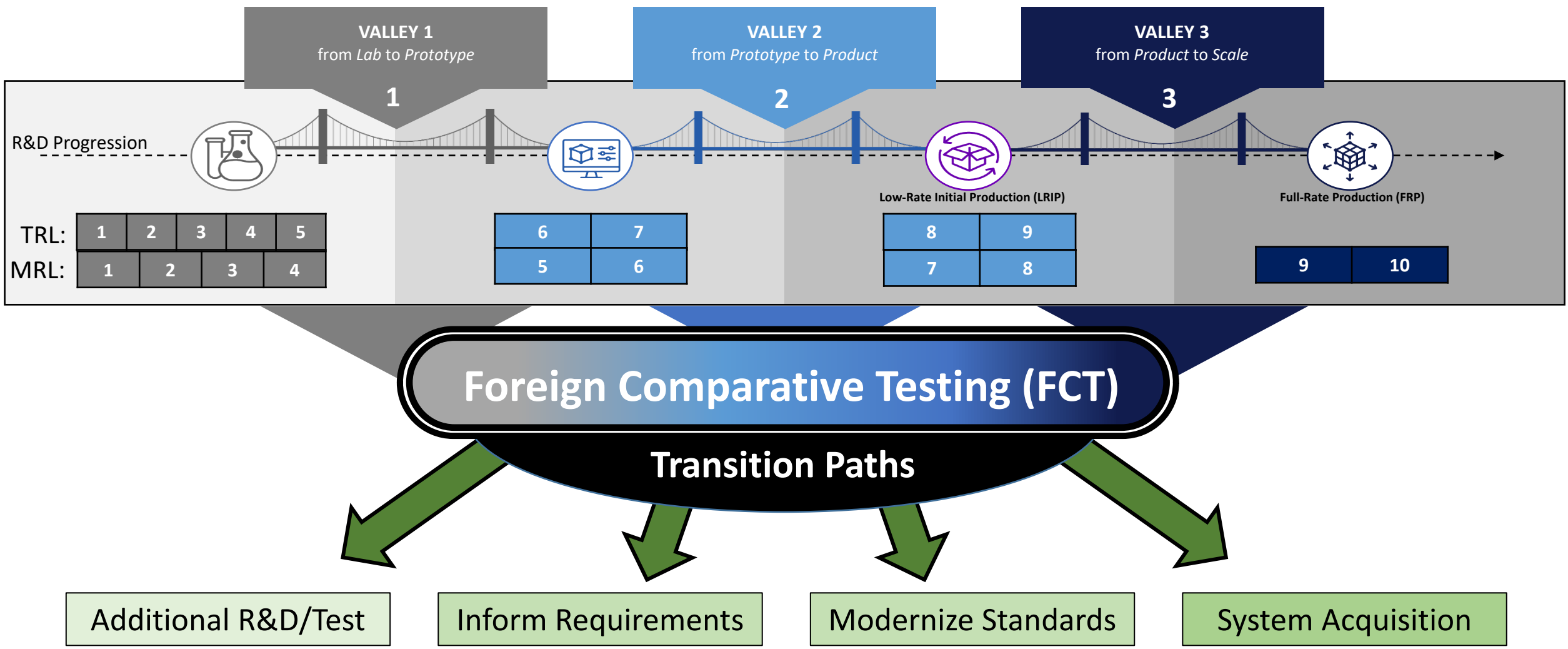
Find, Assess, and Field World-Class Technologies to Enhance Military Capabilities and Provide Long-Term Value

- 10 USC 2350a(g) Directs the Secretary of Defense to conduct testing of foreign technology “to **satisfy United States military requirements** or to **correct operational deficiencies**.”
 - 2023 National Defense Industrial Strategy (NDIS) (§ 2.3.2.3): “The United States must seek commercial solutions and technologies from international allies and partners.”
- Accelerates capability fielding; Maximizes modernization; Increases cost-effectiveness/Interoperability
- Connects Mature* Foreign Technologies to U.S. DoD Development and Acquisition Programs
- Enhances and Strengthens industrial base; Builds resilient supply chains across coalition partners.

* - TRL 6+



FCT Project Ecosystem





FCT Acquisition Authorities

Foreign Comparative Testing Program Acquisition Authorities

(Title 10 USC 2350a(g))

FCT Project

Capability/Technology Test

Test/Assessment Specific Contract Capability

- Direct Engagement with Industry/Corporations
 - Non-Competition/Sole-Source Award
- No International/Project Arrangements (IA/PA) required
 - Quantities Limited to Testing Need
 - No Defined Contract Duration

OSD Oversight;
Service Managed/Executed

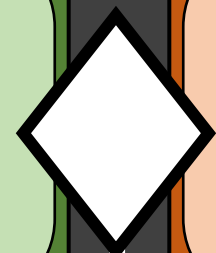
Potential Procurement

Acquisition/Implementation

Acquisition Focused Contract

- Direct Engagement with Industry/Corporations
 - Non-Competition/Sole-Source Award
- No International/Project Arrangements (IA/PA) required
 - Low-Rate Initial Production Quantities (LRIP)
 - Five-Year Post-Decision Procurement

Service Acquisition;
No OSD Involvement



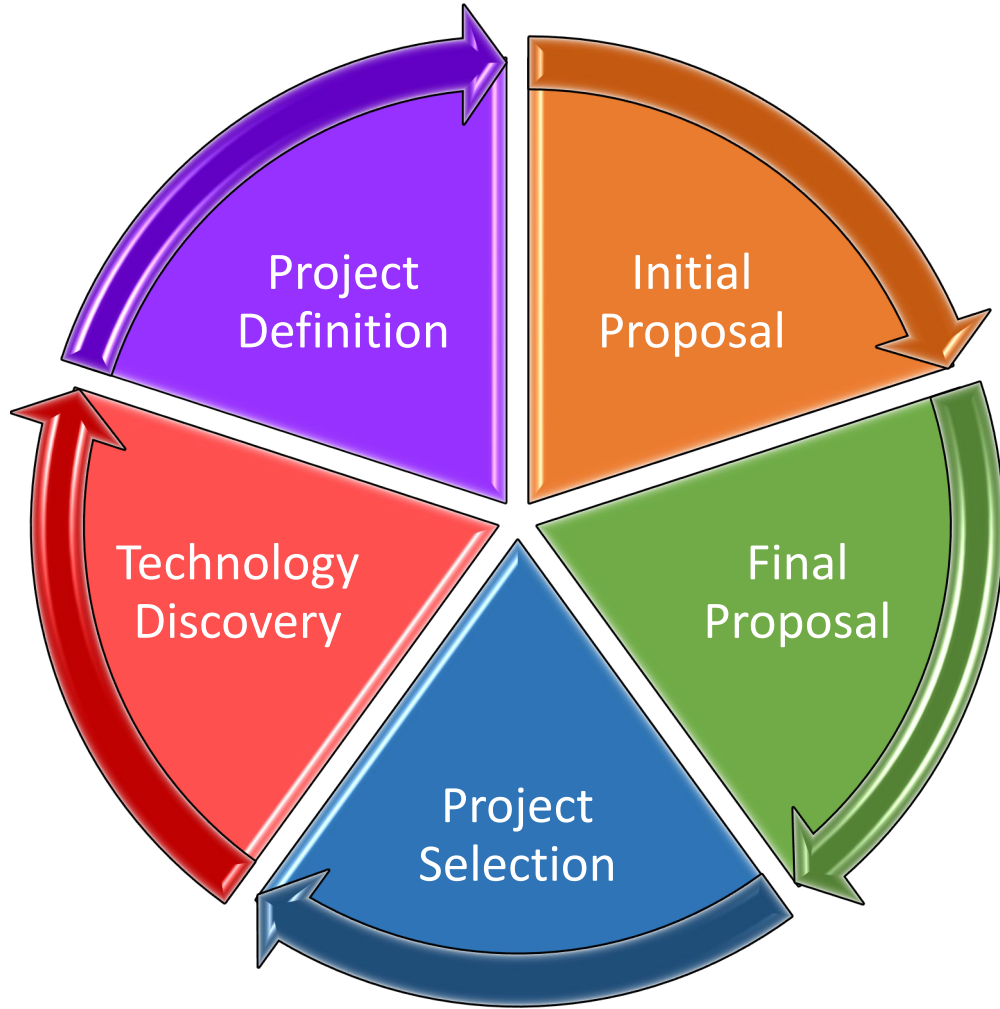
Service
Acquisition
Decision



FCT Project Proposal Process

Project Initiation/Evolution

- USD
- Services
- Capability Identification**
 - Market Research
 - Technology Scouting
 - Industry Engagement
 - Service Socialization**
 - Requirement Delineation
 - Program-of-Record Applicability
 - Logistics/Life-Cycle Impact
 - Priority Assessment
 - Proposal Development**
 - Scope Definition
 - Transition Track Alignment
 - Project Plan Development
 - Secure Funding
 - Proposal Submission**



Proposals are submitted to OUSD by the Services/CCMDs

Project Selection Criteria

- OUSD (Top Down)**
 - Joint Warfighting Concepts
 - Technology Transition Path
 - Joint Application
 - Service Cost Share/Cost Avoidance
 - OUSD Priorities (Focus Areas)
- Services (Bottom-Up)**
 - Mission Need
 - Sponsor Support/Endorsement
 - Risk (Cost/Schedule/Performance)
 - Procurement Strategy

Process can be expedited to respond to Operational Needs



FCT Customer Base

The Search for the World's Best

To date, FCT has partnered with 36 Countries



OUSD investment: \$1.589 Billion

- Procurement of 307 projects worth over \$11B
- Average project – \$500-700K/year; 18-24 months



875
Projects

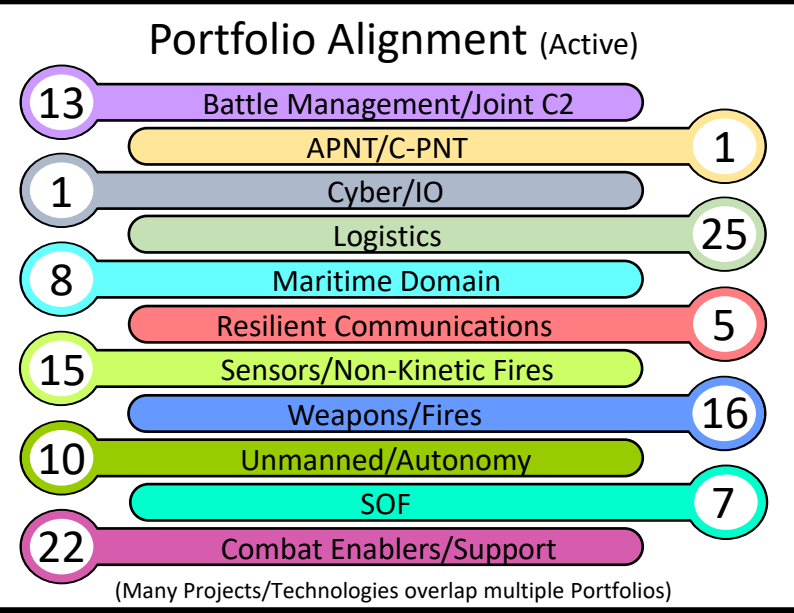
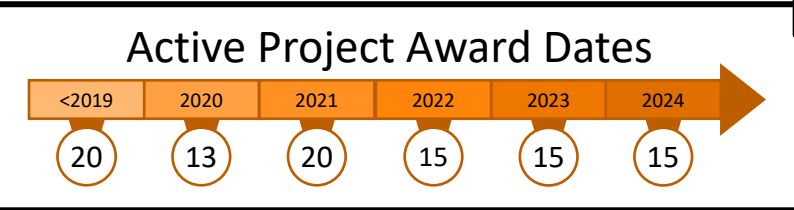
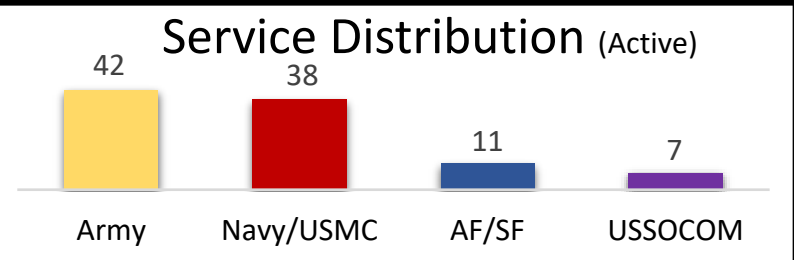
1297
Technologies Assessed

307
Technologies Transitioned





FCT Program Statistics



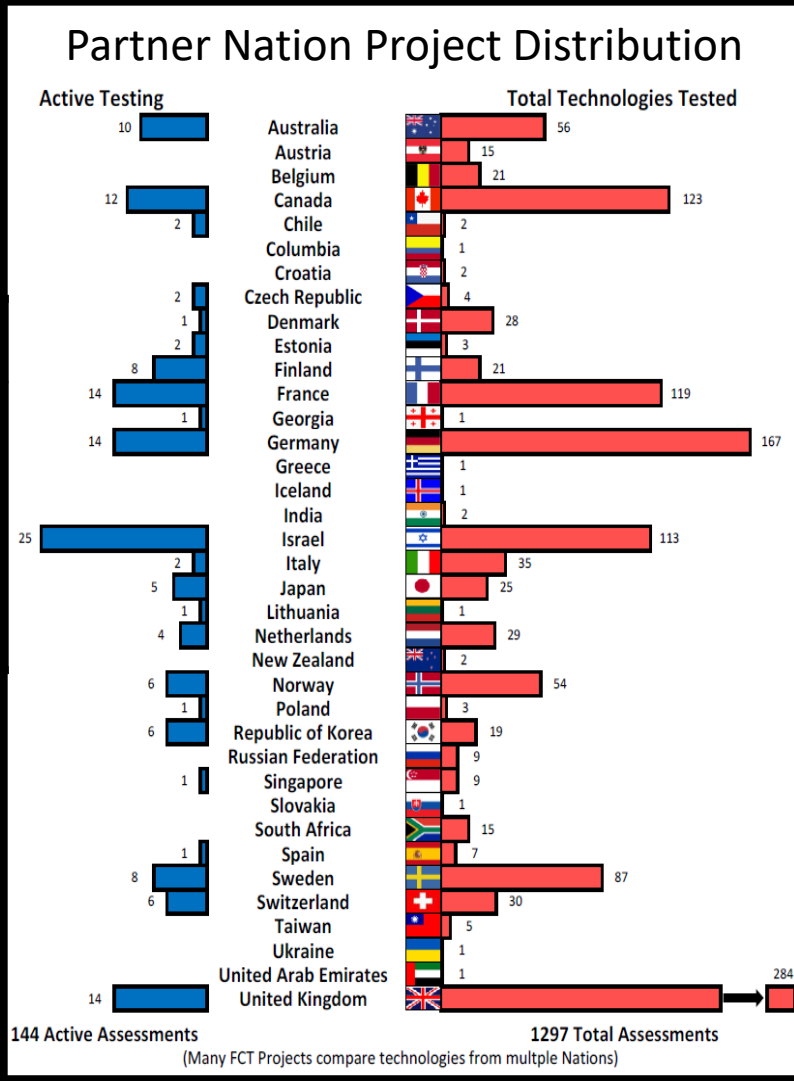
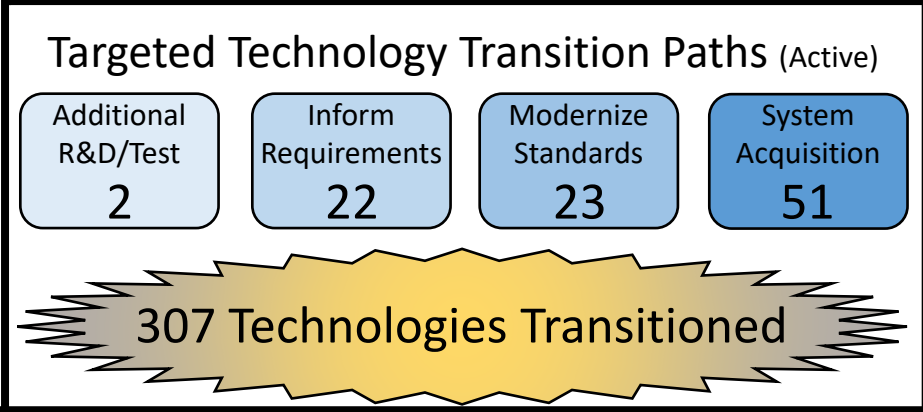
98

Active Projects

875

Total Projects

| Active Project Status | # of Projects |
|-------------------------------|---------------|
| Complete, Closure in progress | 11 |
| Testing Complete/Final Report | 10 |
| In-work | 60 |
| Recently Initiated | 5 |
| Awaiting FY24 Funds | 12 |





Technology Discovery

- OUSD(R&E) Sponsored Events

- Government to Business Meetings

- Embassy Activities/Events

- International Travel/Site Visitation

- Commerce-Based Organizations

- Service-Focused Events

- Industry Days

- Attachés

Trade Shows





Send Us Your Product Information

Product Template

- Product
- Company Name
- Country
- POC Information
- Website
- Technology Readiness Level
- Countries Using
- Application (So What?)
- Science (How It Works)
- Data (Key Performance Metrics)
- US Partners
- Previous Work w/ DoD

OSD Foreign Comparative Test – Product Template

Product: XX mm High Velocity (HV) Airburst Munitions System (ABMS)

Company Name: Advanced Systems (AS)

Country: Republic of Antarctica

Point of Contact: Mr. Jones

Phone: (555) 555-5555

Website: www.abcd.com

Email: abcd@abcd.com



Short Description: The HV ABMS consists of a Fire Control System, an Ammunition Programmer and XX x XX mm Air Burst Munitions. High explosive, Flash and Bang, Counter defilade, increased lethality, improved accuracy.

Technology Readiness Level (fielded, lab tested, operational test): TRL: 9 The HV ABMS is qualified and in production.

Countries using the technology: Madagascar, Dominican Republic, Greenland, etc.

Application: (the so what?) The HV ABM is specially designed to allow soldiers to effectively engage enemies in defilade and to provide improved accuracy and higher lethality through a technologically improved muzzle velocity compensation capability.

Science (how it works): Muzzle velocity compensation for the immediate round fired. The 40mm HV ABMS is an upgrade kit to existing launchers to provide Air Bursting Precision capability. The FCS accurately lazes the target and the ballistic card computes the time to burst. The computed time to burst based on the measured velocity is programmed into the fuze only upon exit at the ammunition programmer. Enhanced safety with its built-in self-destruct mode and gives ABM the ability to function as a point detonating HE cartridge as well as an Air-Burst cartridge.

Data:

- Grenade Length: XX mm • Weight : XXX gm
- Muzzle Velocity : XXX m/s • Maximum Range: XXXX m
- Lethal Radius : X m • Arming Distance : XX to XX m
- Fuze Type : Programmable Time Fuze

U.S. Partner: AS does not currently have a relationship with a US company.

Previous work with DoD: Technology developed through US DoD laboratory funding.

Help us understand how your technology is Better, Affordable or Novel!



Key Points of Contact

| | | | |
|-----------------|------------------------|--|--------------|
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Questions

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10 USC 2350a – Cooperative R&D Agreements

- **(g) Side-by-Side Testing.-**

- (1) It is the sense of Congress-
 - (A) that the Secretary of Defense should test covered equipment, munitions, and technologies to determine the ability of such covered equipment, munitions, and technologies to satisfy United States military requirements or to correct operational deficiencies; and
 - (B) that while the testing of non-developmental items and items in the late state of the development process are preferred, the testing of such covered equipment, munitions, and technologies may be conducted to determine procurement alternatives.
- (2) The Secretary of Defense may acquire covered equipment, munitions, and technologies for the purpose of conducting the testing described in that paragraph.
- (3) The use of side-by-side testing under this subsection may be considered to be the use of competitive procedures for purposes of [chapter 137 ¹](#) of this title, when procuring items within 5 years after an initial determination that the items have been successfully tested and found to satisfy United States military requirements or to correct operational deficiencies.

- **(a)(2) The countries and organizations with which the Secretary may enter into a memorandum of agreement (or other formal agreement) under paragraph (1) are as follows:**

- (A) The North Atlantic Treaty Organization.
- (B) A NATO organization.
- (C) A member nation of the North Atlantic Treaty Organization.
- (D) A major non-NATO ally.
- (E) Any other friendly foreign country.
- (F) The European Union, including the European Defence Agency, the European Commission, and the Council of the European Union, and their suborganizations.