



U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND – ARMAMENTS CENTER

NDIA - Joint Service Small Arms Program (JSSAP) Office

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JOINT SERVICE SMALL ARMS PROGRAM OFFICE



An OSD Joint-Centric activity harmonizing requirements & providing Small Arms Technology for all the Armed Services



JSSAP Background/History

- 1978: Under Secretary of Defense established JSSAP office and the Joint Service Management Committee (JSMC) with the Army as the Executive Agent.
- JSMC was composed of 4 principal voting members: USA, USN USMC, USAF
- Harmonize multi-service requirements
- Consolidate and coordinate development, reduce costs, and improve the efficiency of the material acquisition process.
- 1991: JSSAP transitions PM and lifecycle support, focusing exclusively on S&T
- 2004: Charter updated adding 2 more principal members: USCG, SOCOM

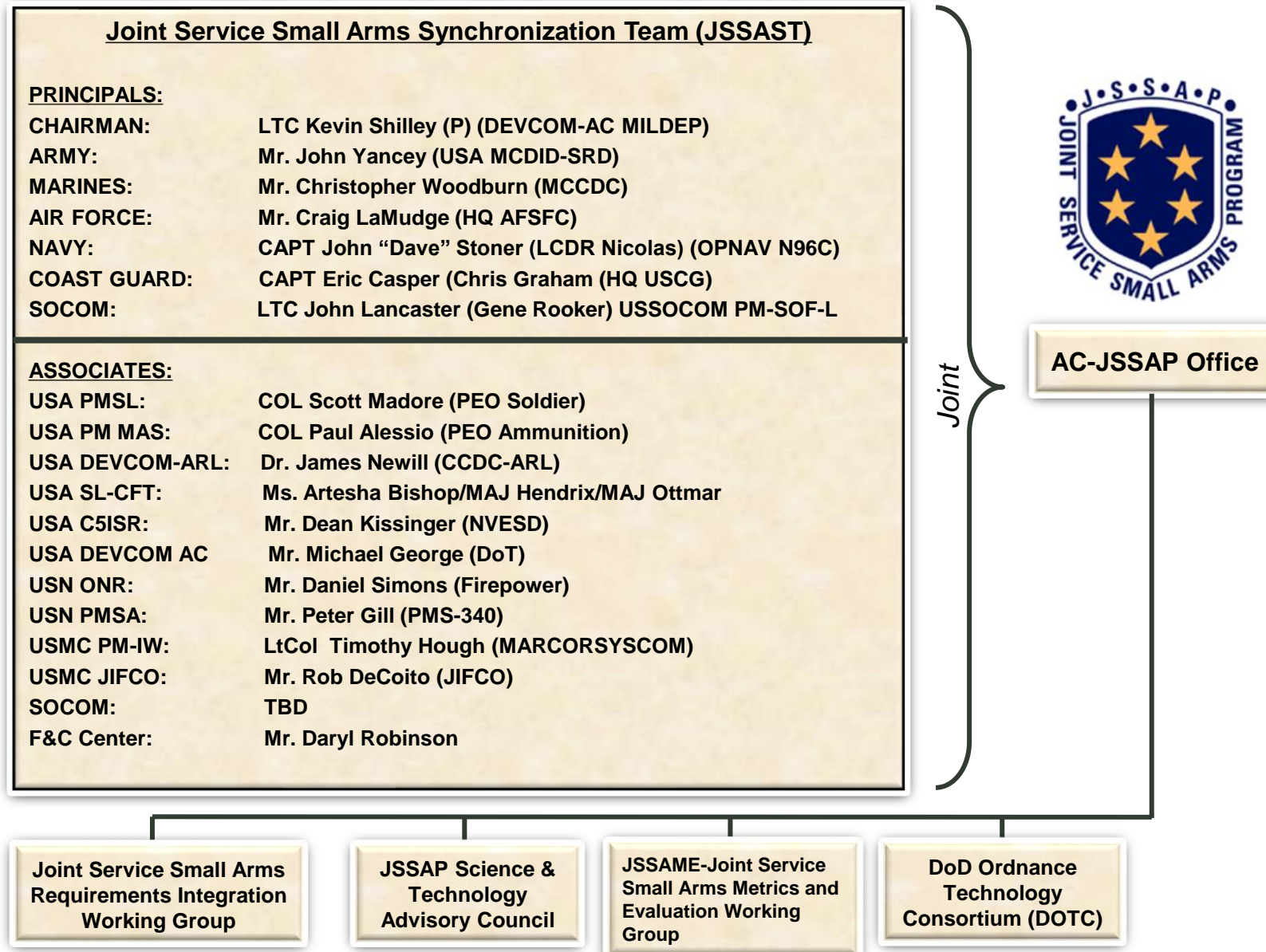
Mission Statement

- ✓ **Intensive management of the DoD Small Arms Tech Base**
- ✓ **Coordinate and Harmonization of Requirements**
- ✓ **Transitions Technology to Program Managers for Engineering and Manufacturing Development**
- ✓ **Long Range Plans and Strategies**
- ✓ **Influence of International Small Arms Activities**

... and fulfill Executive Agent responsibilities per Deputy Under Secretary of Defense (Research and Engineering) Memorandum, 10 May 1978



JOINT SERVICE SMALL ARMS PROGRAM OFFICE FRAMEWORK





JSSAP AREAS OF RESPONSIBILITY (AOR)



JSSAST –Joint Services Small Arms Synchronization Team

- Approves Annual Updates of Joint Service Small Arms Capability Gaps
- Approves JSSAP S&T project portfolio on annual basis
- Promotes, coordinates, and manages the exchange of small arms technology, acquisition, and sustainment information across the Joint Services, Program/Product Managers, Labs, R&D Centers, and Industry

JSSARI – Joint Services Small Arms Requirements Integration

- Develop, review, report, and submit Joint, harmonized Small Arms Systems capability documents
- Harmonize service requirements, including concurrence, disposition, support, and staffing of Small Arms Systems Capability Based Developments.
- Routinely review Service threat statements and assessments.

JSTAC – Joint S&T Advisory Council

- Manage timely exchange of Science & Technology information
- Manage Technology Development Strategy (TDS)
- Maintain awareness of the small arms science & technology Joint portfolio
- Maintain awareness of domestic and foreign technology - identify areas of possible exploitation
- Recommend prioritized plans, programs and strategies to the Steering Committee

JSSAME – Joint Service Small Arms Metrics & Evaluation Working Group

- Ensure that test and evaluation of small arms weapon systems is operationally relevant, and done in a consistent, repeatable, and standardized manner.
- Review, coordinate, and monitor test and evaluation activities within the JSSAP project proposals and the JSSAP portfolio.

INTERNATIONAL

- NATO Army Armaments Group (NAAG) / Dismounted Soldier Systems (DSS)
 - Weapons and Sensors Subgroup (WS SG) - Serve a US Head of Delegation
 - Suppressor Team of Experts Lead
 - Several DEA/IEA/PA with various foreign nations
- NATO CUAS WG participation

SL-CFT Soldier Lethality Cross Functional Team

- Lethality LOE - How do we increase lethality to achieve and maintain overmatch against a peer/ near peer adversary?
- CCDC Armaments Center Lethality Lead

OSD-SBIR - Office of Secretary of Defense / Small Business Innovation Research

- Allows small, high-tech U.S. businesses and academia the opportunity to provide innovative research and development solutions in response to critical Army needs.
- To be the Army's premier source of innovative technology solutions, providing direct access to America's high-tech small business research and development community, enabling our Soldiers deployed around the world.

Industrial / OGA Base

- DOTC/NAC - Defense Ordnance Technology Consortium / National Armaments Consortium
- DARPA
- DOE-National Labs
- DOD-Research Labs

JS3 -Joint Service Signature Suppression IPT

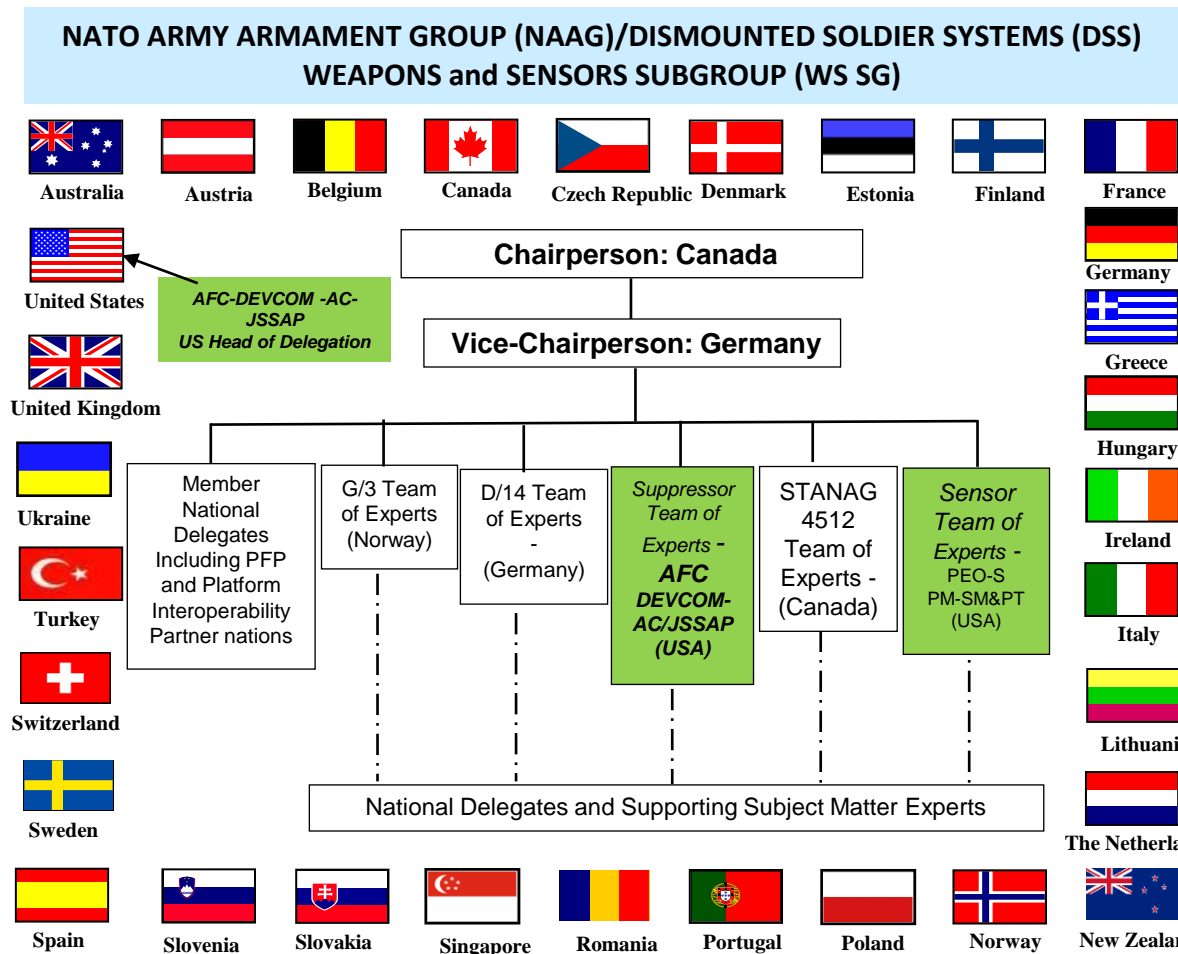
- Develop harmonized understanding of signature suppression across the Joint Services
 - Test methods and standards
 - Requirements
 - S&T efforts

JSSAP Barrel Technology Development Strategy

- Fundamental understanding, capabilities, and tools are lacking
- Future small arms systems will require advanced barrel technologies in order to meet Warfighter needs
- Legacy weapon system barrels would benefit from various improvements
- Recent barrel technology development has not transitioned



INTERNATIONAL SMALL ARMS ACTIVITIES



Project Arrangement (PA):

- Defence Research and Development of Canada
- Focus on enabling technologies for future small arms systems.

Data Exchange Agreement (DEA):

- Defence Research and Development of Canada
- Small Caliber Weapons and Ammunition Data Exchange

Information Exchange Agreements (IEAs):

- Defence Science and Technology Laboratory (DSTL) of UK
- Infantry Weapons and Munitions Information Exchange Agreement