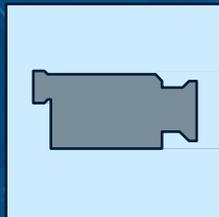




# AFRL



Who We Are (video)



# AFRL

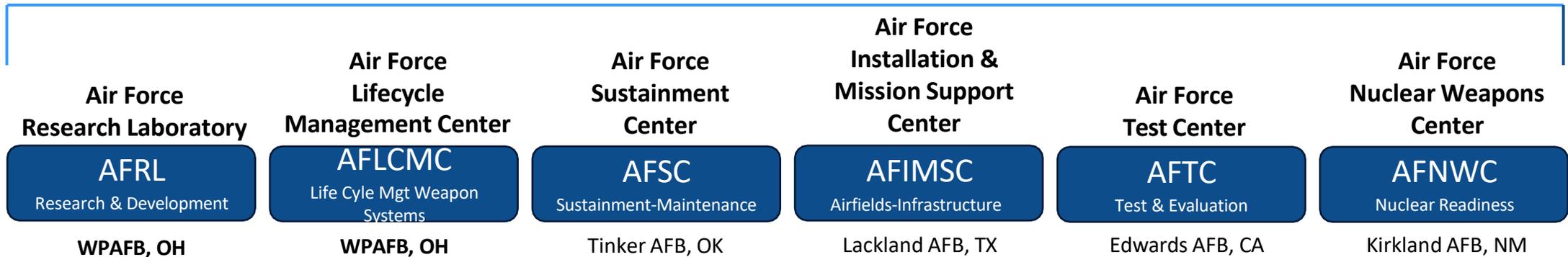
## AIR FORCE RESEARCH LABORATORY SMALL BUSINESS & STRATEGIC PARTNERING

BRIAN MCJILTON, DIRECTOR  
NOV 2025



# AF MAJCOM and Center Structure

Department  
of the  
Air Force  
Washington, DC





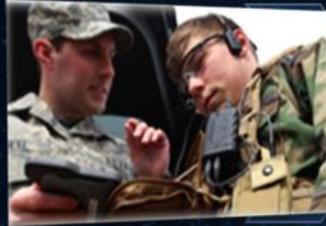
# Accelerating S&T Starts with a Strong Technical Foundation

AFRL



## BASIC RESEARCH

Engineering & Information Sciences, Physical & Biological Sciences



## HUMAN PERFORMANCE

Training, Adaptive Warfighter Interfaces, Bioeffects, Aerospace & Operational Medicine, and Bioengineering; Aerospace & Operational Medicine education, training, and consultation;



## INFORMATION

Processing & Exploitation, Connectivity & Dissemination, Autonomy, Command & Control and Decision Support, Cyber Science and Technology



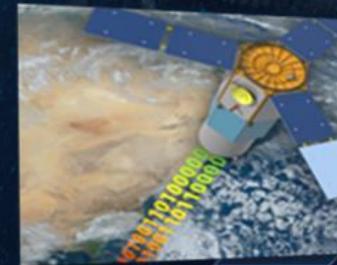
## MATERIALS & MANUFACTURING

Structural Materials, Functional Materials, Manufacturing Technology, Support of Operations



## SENSORS

Radio Frequency (RF) Sensing, Electro Optical (EO) Sensing, Spectrum Warfare, Trusted & Resilient Mission Systems, Multi-domain Sensing, Autonomy, Enabling Sensor Devices & Components



## SPACE VEHICLES

Advanced Space Resilience Technologies, Space Communication & Navigation Technologies, Space Awareness and Command & Control



## MUNITIONS

Munitions Airframe, Guidance, Navigation & Control, Terminal Seeker Sciences, Modeling & Simulation Evaluation Sciences, Ordnance Sciences



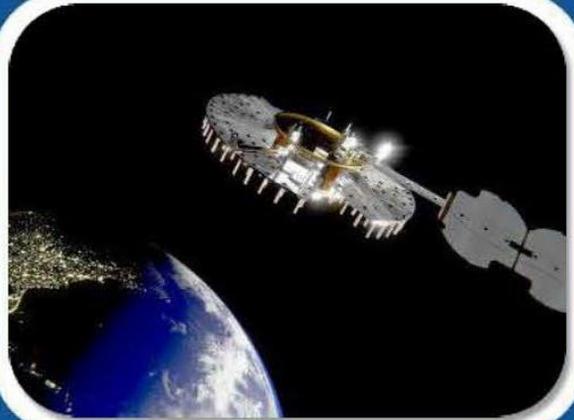
## DIRECTED ENERGY

Laser Systems, Weapons Modeling, Simulation & Analysis, High Power Electromagnetics (HPEM), Directed Energy and Electro Optics for Space Superiority



## AEROSPACE SYSTEMS

Aerospace Vehicles, Control, Power & Thermal Management, High Speed Systems, Rocket Propulsion, Turbine Engines



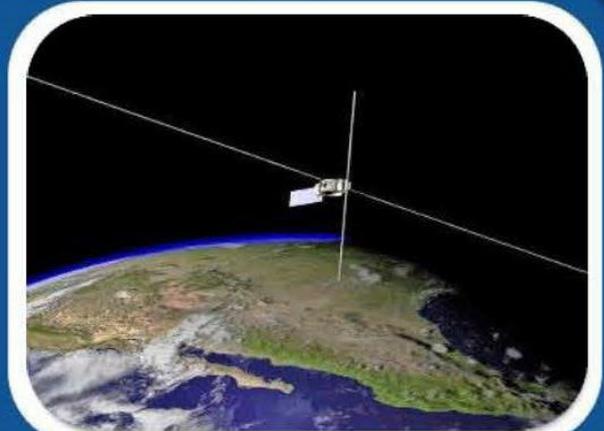
NAVIGATION TECHNOLOGY  
SATELLITE - 3 (NTS-3)



ADVANCED SPACECRAFT ENERGETIC  
NON-TOXIC (ASCENT) PROPELLANT



SPACE POWER BEAMING



DEMONSTRATION AND SCIENCE  
EXPERIMENTS (DSX) SATELLITE



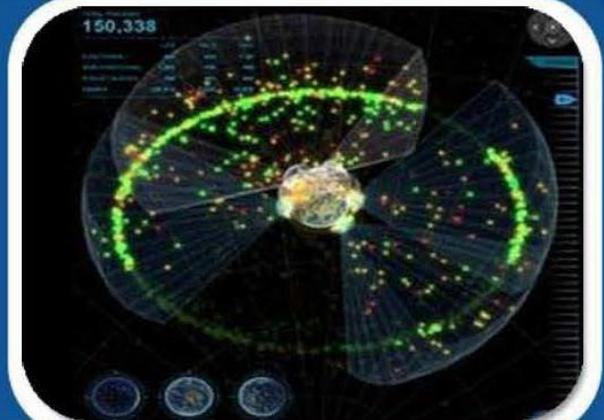
QUANTUM SENSING AND TIMING



SMALL SATS AND HYBRID  
ARCHITECTURES



SPACE LOGISTICS AND  
ADVANCED ROBOTICS



SPACE DOMAIN AWARENESS





# AFRL

SB SMALL BUSINESS

**Mission** - Maximizing innovative, cost-effective, and customer-focused small business solutions to maintain national security dominance through our Air & Space Forces.

**Vision** - Together, AFRL and small businesses, driving Air and Space Force innovation and excellence.

- Acquisition Team Member (Internal)
- Advocacy, Advisory, Training (Internal / External)
- Maximize prime & sub-contracting opportunities
- Outreach & Engagement
- Small Business Programs & Pilots (Opps / Growth)
- Connections internal to AFRL and to Large Business

## How to Connect:

AFRL Small Business Inbox - [afrl.sb.questions@us.af.mil](mailto:afrl.sb.questions@us.af.mil)

AFRL Small Business (SB) Hub - <https://afrlsbhub.com/> **! Temporarily Out of Service !**

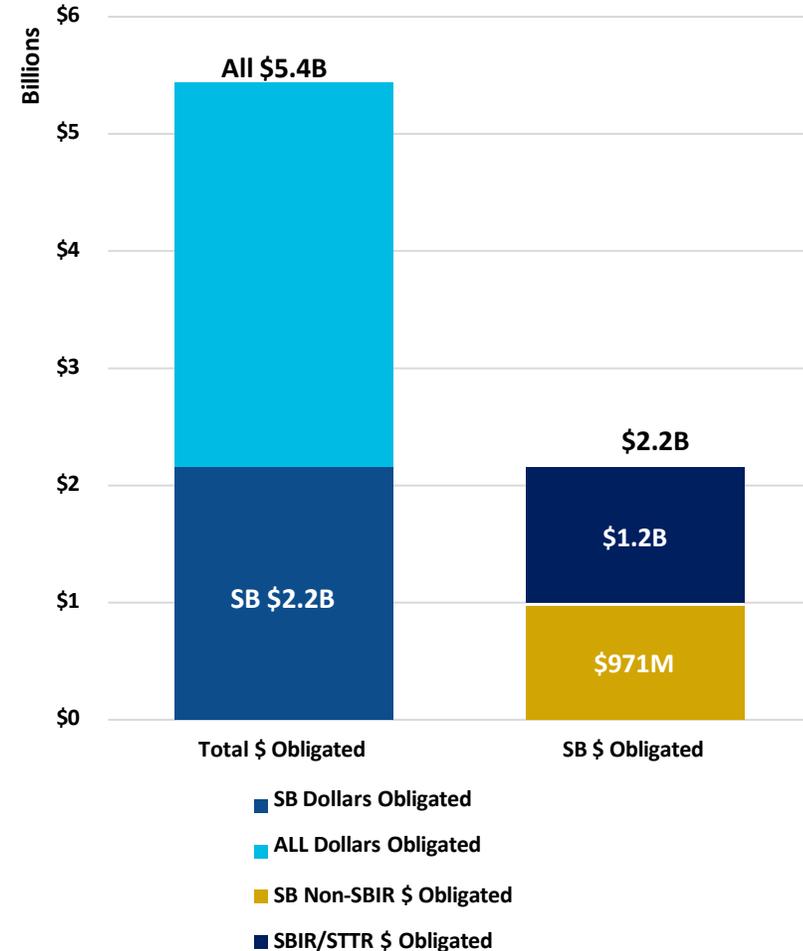
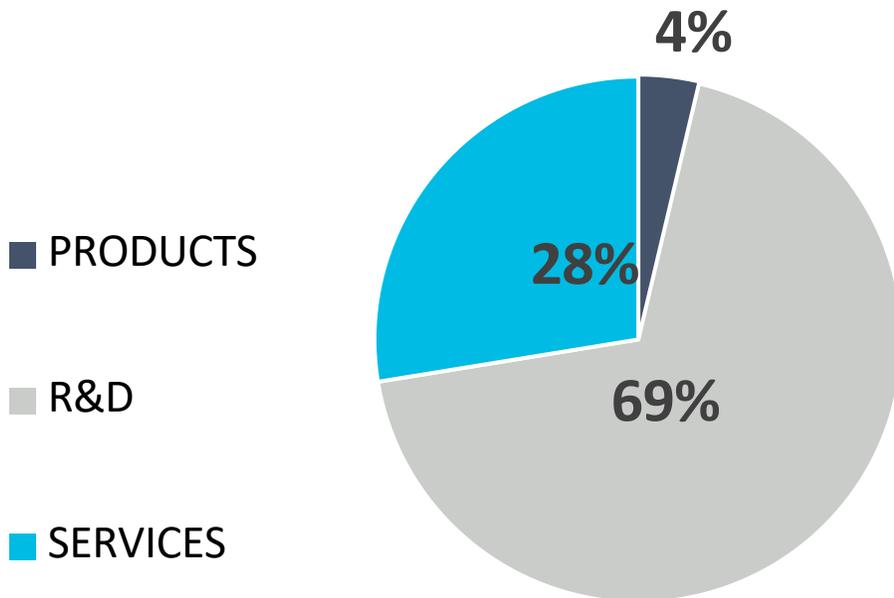




# AFRL SB Portfolio & FY24 Execution – What We Buy

## Procurements - R&D, Products, and Services Breakout

### Category % of Dollars Obligated (Non-SBIR)



Note: FY25 data will be finalized in mid-December 2025



# AFRL SB Portfolio & FY24 Execution (con't)

## *Industry & Procurement Data - R&D and Services*

### R&D

#### Top NAICS Codes

- 54 – Professional, Scientific, & Technical Services
- 928 – National Security & International Affairs
- 927 – Space Research & Technology
- 61 – Education Services

#### Top PSC – R&D Services

- AC – National Defense
- AJ – General Science and Technology
- AG – Energy

### Services

#### Top NAICS Codes

- 54 & 56 – Professional & Business Services
- 517 – Telecommunications
- 238 – Specialty Trade Contractors

#### Top PSC

- Category R: Support - Professional/Administrative/Management
- Category D: Information Technology and Telecommunications
- Category Z: Maintenance, Repair, Alteration of Structures/Facilities



# AF Small Business MAJCOM Structure and POCs

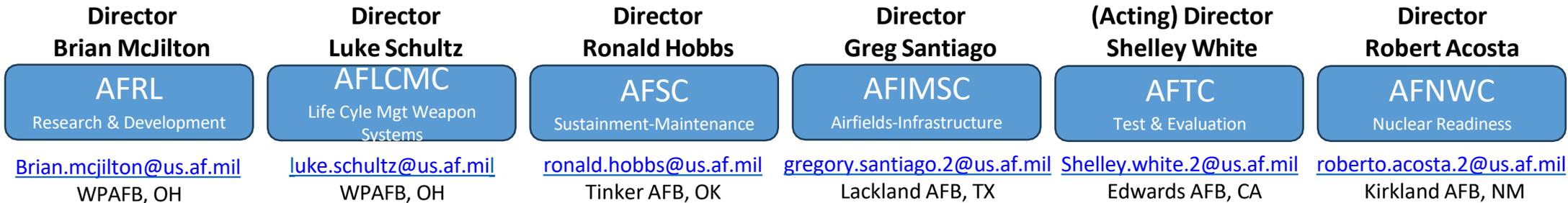
**Air Force  
Small Business  
HQ**  
Washington, DC



**Director  
Scott Kiser (SES)**



[luke.schultz@us.af.mil](mailto:luke.schultz@us.af.mil)  
WPAFB, Ohio



**FIND AF SMALL BUSINESS POC: <https://www.airforcesmallbiz.af.mil/Resources/Locate-Small-Business-Professional/>**



# Small Business – Opportunities to Engage

Advocate and advise small businesses towards engagement and opportunity pathways with AFRL & Air Force:

Temporarily  
Out of Service



AFRL Small Business Hub - [www.afrlsbhub.com](http://www.afrlsbhub.com)

Check out the  
Collider events!



## Contracts/Grants/Broad Area Announcements (BAAs)

- System for Award Management - [www.sam.gov](http://www.sam.gov)
- [www.grants.gov](http://www.grants.gov)
  - Small business can sub-contract with domestic/International universities



**Air Force Small Business Funding Programs** - *Small Business Innovation Research (SBIR), Small Business Technology Transfer (STTR), Strategic Funding Increase (STRATFI), & Tactical Funding Increase (TACFI)*

- AFWERX - [www.AFWERX.com](http://www.AFWERX.com)



## Ohio Federal Research Network (OFRN): [www.ohiofrn.org](http://www.ohiofrn.org)

A collaborative research hub designed to expand Ohio's cutting-edge research capability and create new economic opportunities in the areas of defense, aerospace, energy, and health



## Air Force Mentor-Protégé Program (MPP)

Pairs small businesses (protégés) with large businesses (mentors) to enhance protégé capabilities and competitiveness for Air Force contracts through project-based developmental assistance.



# Small Business – Opportunities to Engage (Cont)

*Advocate and advise small businesses towards engagement and opportunity pathways with AFRL & Air Force:*



**Notice:** Effective Oct. 1, 2025, SBIR/STTR authorization has lapsed, and AFWERX and SpaceWERX are pausing all external event attendance—including conferences, trade shows, panels, and speaking engagements—until program reauthorization.

For assistance, visit [afwerx.com/contact/](https://afwerx.com/contact/) and monitor [afwerx.com](https://afwerx.com) for the latest SBIR/STTR reauthorization updates.



# Small Business – Other Pathways

Advocate and advise small businesses towards engagement and opportunity pathways with AFRL & Air Force:



## Air Force and Space Force Tech Connect –

<https://airforcetechconnect.org/>

## AFRL Regional Networks – Midwest (Purdue) & Mid-Atlantic (Cornell)

- <https://midwesthub.afresearchlab.com/>  
• [afrlmwst@purdue.edu](mailto:afrlmwst@purdue.edu)
- <https://www.midatlantichub.afresearchlab.com/>



**Dept. Air Force (DAF) Technology Transfer and Transition (T3)** – manages and supports Technology Transfer (T2) activities and mechanisms, to include the Partnership Intermediary Agreements (PIAs) [www.AFT3.af.mil](http://www.AFT3.af.mil)



Defense Innovation Marketplace: <https://defenseinnovationmarketplace.dtic.mil/>

Defense Innovation Marketplace Government Portal: <https://defenseinnovationmarketplace.dtic.mil/government-portal/>

DTIC registration: <https://discover.dtic.mil/dtic-registration/>

Team Email: [afrl.hq.irdpm@us.af.mil](mailto:afrl.hq.irdpm@us.af.mil)



## Closing Recommendations

- Leverage Helpful Tips (see following charts) on identifying opportunities
- Utilize the website links to research and learn more about AFRL
- Identify areas where your technology/services align to AFRL interest areas
- Educating your team on government acquisitions & their processes
  - Government acquisitions are not fast – stay patient and persistent
- Go to where your customers go (e.g., events, consortiums, innovation hubs)
- Have a strong Capability Statement – expressing value-add to target customer(s)

**WE ENCOURAGE YOU TO LEVERAGE YOUR AFRL SMALL BUSINESS STAFF – NO BUSINESS IS TOO SMALL!**



# Helpful Tips



# Contract Opportunities Examples

## NEW! DoDAAC – FA8652: AFRL Multi-Award Contract (AMAC)

AFRL Location	DoDAACs/Office	Opportunity
WPAFB	FA2377	Airborne Multifunction Unmanned Sensor for Exploration (AMUSE)
	FA2377	Autonomous Decisions, Algorithms, and Modeling (ADAM)
	FA2391	Pioneering Aerospace Capabilities, Engineering and Research
	FA2396	RFQ - Pipette Calibration Services
	FA2396	AFRL/DO Mobile Power Station for SkyVision Test Site
	FA2384	CHEERS MAA Open Period 1 - All Technical Areas, 10 U.S.C. 4001
	FA2384	Continuing Human Enabling, Enhancing, Restoring and Sustaining (CHEERS)
	FA8650	Manufacturing Research and Technology Development - Open BAA
	FA8650	Multi-Spectral Sensing Technologies Research and Development (MUSTER)
	FA8650	AFRL/RX Functional Materials Open BAA
	FA2385	Rocket Experimentation for Global Agile Logistics (REGAL)
	FA2385	Automated Air-to-Air Refueling



# Contract Opportunities Examples

AFRL Location	DoDAACs/Office	Opportunity
ELGIN (RW)	FA8651	Air Dominance Broad Agency Announcement (BAA)
	FA8651	Air Delivered Effects Broad Area Announcement
	FA2823	Dispenser Sump and Spill Buckets Replacement - AGE
	FA2823	EMCS (Energy Management Control System) COINv2 Server
ROME (RI)	FA8750	FORSAKEN JACKAL AUTONOMOUS RF SENSOR MESH NETWORK (FJACK+)
	FA8750	COMPOSABLE COLLABORATIVE PLANNING
	FA8751	High Frequency Radio System
	FA8751	Maintain-Repair Paving and Striping
KIRTLAND (RD & RV)	FA9451	TACTICAL Broad Agency Announcement (BAA)
	FA9451	High Power Electromagnetics (HPEM) Modeling and Effects BAA
	FA9453	Space Technology Advanced Research (STAR)
	FA9453	Research Options for Space Enterprise Technologies (ROSET)



# Contract Opportunities Examples

AFRL Location	DoDAACs/Office	Opportunity
AFOSR	FA9550	Basic Research Innovation and Collaboration
EDWARDS AFB	FA9300	Digital Test Procedure Software
	FA9300	AFRL Rocket Lab Hermes BAA
	FA9300	Logistics for Aerospace Research and Development Operations II (LAREDO II)
	FA9300	SPACE PROPULSION RESEARCH AND INNOVATION FOR NEUTRALIZING SATELLITE THREATS (SPRINT) BROAD AGENCY ANNOUNCEMENT (BAA)



# AFRL Example, How To SAM.gov

- Click "Search"

OR

- In Search field, enter respective AFRL DoDAAC to view available solicitation opportunities in Results window



AFRL LOCATION	DoDAAC - Department of Defense Activity Address Code
AFWERX (RG)	FA8649, FA2280
WPAFB	FA2377
	FA2391
	FA2396
	FA2394
	FA2384
	FA8650
	FA2385 FA8652
EGLIN (RW)	FA8651, FA2823
ROME (RI)	FA8750
	FA8751
KIRTLAND (RD & RV)	FA9451
	FA9453
AFOSR - WASHINGTON DC	FA9550
	FA8655
	FA2386
	FA4869
Edwards AFB (RQ)	FA9300



# AFRL Example, How To SAM.gov (con't)

**Searched an AFRL DoDAACs**

Search: All Words **FA2280** [X] [Q]

**Search Results – five solicitation opportunities**

Showing 1 - 5 of 5 results

**Small Hybrid Aerial Refueling Kit**

**Notice ID: FA2280-23-S-C001**

a small form factor fuel transfer mechanism that fits inside of a modular, platform agnostic, podded, outer mold line.

...

Awardee <b>DYNETICS, INC.</b>	Unique Entity ID <b>FH7ML8E9EWJ7</b>	
Department/Ind.Agency <b>DEPT OF DEFENSE</b>	Subtier <b>DEPT OF THE AIR FORCE</b>	Office <b>FA2385 USAF AFMC AFRL PZL AFRL PZLD</b>

**Business intelligence platform with robust data analytics, data visualization, and translation support for English to Japanese, and Japanese to English, that can pull public information and allows large data file upload**

Contract Opportunities

Notice Type  
**Original Award Notice**

Updated Date  
**Aug 29, 2024**

Published Date  
**Aug 29, 2024**

Contract Opportunities

Current Response Date  
**September 09, 2024 at**



<b>AFRL Directorate/Wing</b>	<b>Announcement/Opportunity</b>	<b>Title</b>	<b>Addt. Information</b>
711 <sup>TH</sup> Human Performance Wing (HPW)	Multiple Authority Announcement (MAA)	Continuing Human Enabling, Enhancing, Restoring, and Sustainment (CHEERS)	<a href="mailto:AFRL.711HPW.MAA@us.af.mil">AFRL.711HPW.MAA@us.af.mil</a>
	Broad Agency Announcement (BAA) (FA2384-24-S-2334)	CHEERS MAA Open Period 1 - All Technical Areas, 10 U.S.C. 4001 Broad Agency Announcement	<a href="#">LINK</a>
	Advanced Research Announcement (ARA) (FA2384-24-S-2335)	CHEERS MAA Open Period 2 - All Technical Areas, 10 U.S.C. 4023 - Procurement for Experimental Purposes	<a href="#">LINK</a>
	Commercial Solutions Opening (CSO) (FA2384-24-S-2336)	CHEERS MAA Open Period 3 - All Technical Areas, 10 U.S.C 3458 - Commercial Solutions Opening (CSO)	<a href="#">LINK</a>
	BAA (FA8650-20-S-6008)	Airman Readiness Medical Research (ARMR)	<a href="#">LINK</a>
	ARA - Hybrid (FA8650-21-S-6005)	Advanced Development of Enhanced Operator Capabilities (ADEOC)	<a href="#">LINK</a>
Air Force Office of Scientific Research (AFOSR)	BAA (FA9550-23-S-0001)	Research Interests of the AFOSR	<a href="#">LINK</a>
	Grant (NOFOAFRLAFOSR20250001)	Fiscal Year (FY) 2025 Directors' Research Initiative (DRI) – Energy for Agility	<a href="#">LINK</a>
Integrated Capabilities Directorate (AFRL/RS)	MAA (FA2385-24-S-9701)	Rapid Advanced Capability Transition (ReACT)	<a href="#">LINK</a>
	MAA (FA2385-24-S-9760)	Ephemeral Paragon (E-Gon)	<a href="#">LINK</a>



AFRL Directorate/Wing	Announcement/Opportunity	Title	Addt. Information
Information (AFRL/RI)	Notice ID (AFRL-BAA-GUIDE)	AFRL BAA Guide for Industry and Proposal Preparation Instructions for the Information Directorate, AFRL, Rome NY	<a href="#">LINK</a>
		Connectivity and Dissemination (CAD)	
	Funding Opportunity Announcement (FOA) (FA8750-21-S-7007)	AFRL Regional Research Convergence Hub (ARRCH)	<a href="#">LINK</a>
	BAA (FA8750-22-S-7006)	Adaptive Waveform Generation for Extreme RF (AWGER)	<a href="#">LINK</a>
	BAA (FA8750-23-S-7001)	Quantum Information Sciences	<a href="#">LINK</a>
	BAA (FA8750-23-S-7002)	Aerial Layer Networking & Transmission Technologies	<a href="#">LINK</a>
	ARA (FA8750-24-S-7007)	Signals Intelligence Focused Technologies for Exploitation and Reporting (SIFTER)	<a href="#">LINK</a>
	BAA (FA8750-23-S-7009)	Ultra-broadband Terahertz Radio Development	<a href="#">LINK</a>
		Processing and Exploitation (PEX)	
	BAA (FA8750-20-S-7014)	Collaborative Sensing & Exploitation	<a href="#">LINK</a>
	BAA (FA8750-20-S-7015)	Electronic Intelligence Information Exploitation	<a href="#">LINK</a>



AFRL Directorate/Wing	Announcement/Opportunity	Title	Addt. Information
Information (AFRL/RI)		Processing and Exploitation (PEX) – con’t	
	BAA (FA8750-20-S-7018)	Advanced Tracking Architectures using Artificial Intelligence (ATA-AI)	<a href="#">LINK</a>
	BAA (FA8750-20-S-7019)	Low Size, Weight and Power (SWaP), Cross-Domain System Architectures	<a href="#">LINK</a>
	BAA (FA8750-21-S-7002)	SIGINT Solutions for Evolving Scenarios (SESS)	<a href="#">LINK</a>
	BAA (FA8750-21-S-7004)	Multi-Source, Multi-Domain Data Exploitation for Battlespace Awareness and Decision	<a href="#">LINK</a>
	BAA (FA8750-21-S-7006)	Geospatial Intelligence Processing and Exploitation (GeoPEX)	<a href="#">LINK</a>
	BAA (FA8750-22-S-7002)	Signals Information Exploitation Technology Enhancements	<a href="#">LINK</a>
	BAA (FA8750-23-S-7004)	Extreme Computing	<a href="#">LINK</a>
	BAA (FA8750-23-S-7008)	Adaptive Fusion & Reasoning of Multi-Source Data (AFAR)	<a href="#">LINK</a>
	BAA (FA8750-23-S-7005)	Signals Intelligence (SIGINT) Solutions for Evolving Scenarios (SESS)	<a href="#">LINK</a>
		Autonomy, Command & Control, & Decision Support (AC2)	
	BAA (FA8750-23-S-7006)	Artificial Intelligence and Next Generation Distributed Command and Control	<a href="#">LINK</a>
	BAA (FA8750-24-S-7003)	Coordinating Austere Nodes through Virtualization and Analysis of Streams (CANVAS)	<a href="#">LINK</a>
<small>THE AIR FORCE RESEARCH LABORATORY</small>	BAA (FA8750-22-S-7001)	Fight Tonight	<a href="#">LINK</a>



<b>AFRL Directorate/Wing</b>	<b>Announcement/Opportunity</b>	<b>Title</b>	<b>Addt. Information</b>
Munitions (AFRL/RW)	BAA (FA8651-25-S-0001)	Air Dominance	<a href="#">LINK</a>
	BAA (FA8651-22-S-0001)	Air Delivered Effects	<a href="#">LINK</a>
Materials & Manufacturing (AFRL/RX)	MAA (FA2394-24-R-B003)	Materials and Manufacturing Directorate Multiple-Authority Announcement (MAA)	<a href="#">LINK</a>
	BAAs (FA8650-21-S-5001)	Manufacturing Research and Technology Development	<a href="#">LINK</a> <a href="#">LINK- 2</a>
	ARA (FA8650-18-S-5008)	Government Requirement for Advanced Power and Energy (GRAPE)	<a href="#">LINK</a>
Sensors (AFRL/RV)	BAA (FA8650-21-S-1180)	Multi-Spectral Sensing Technologies Research and Development (MUSTER)	<a href="#">LINK</a>
	ARA (FA8650-20-S-1958)	Trusted and Elastic Military Platforms and Electronic Warfare (EW) System Technologies (TEMPEST)	<a href="#">LINK</a>
	BAA (FA8650-22-S-1004)	Kaiju	<a href="#">LINK</a>
	ARA (FA8650-19-S-1932)	Microelectronics Innovation for Next-generation System Advancement and Validation (MINSAV)	<a href="#">LINK</a>
Directed Energy (AFRL/RD)	BAA (FA9451-22-S-0001)	High Power Electromagnetics (HPEM) Modeling and Effects	<a href="#">LINK</a>
	BAA (FA9451-24-S-0001)	Tactical – reference #14 Topic Area Groups (TAG)	<a href="#">LINK</a>
	ARA (FA9451-21-S-0001)	Directed Energy Technology Experimentation Research (DETER)	<a href="#">LINK</a>



<b>AFRL Directorate/Wing</b>	<b>Announcement/Opportunity</b>	<b>Title</b>	<b>Addt. Information</b>
Space Vehicles (AFRL/RV)	ARA (FA9453-23-R-A004)	Neutron Strategic Technology Advanced Research (Neutron-STAR)	<a href="#">LINK</a>
	ARA (FA9453-19-S-0002)	Space Technology Advanced Research (STAR)	<a href="#">LINK</a>
	ARA (FA9453-21-S-0001)	Space Technology Advanced Research-Fast-Tracking Innovative Software and Hardware (STAR-FISH)	<a href="#">LINK</a>
Aerospace Systems (AFRL/RQ)	BAA (FA2391-23-S-2403)	Pioneering Aerospace Capabilities, Engineering and Research (PACER)	<a href="#">LINK</a> Email - <a href="mailto:AFRL.RQ.PACERBAA@us.af.mil">AFRL.RQ.PACERBAA@us.af.mil</a>
AFRL/RQ – West (Edwards AFB)	BAA (FA9300-19-S001/BAA-RQR-2019-0001)	Space Propulsion Research and Innovation for Neutralizing Satellite Threats (SPRINT)	<a href="#">LINK</a>
AFRL/RQ – West (Edwards AFB)	BAA (FA9300-20-S-0001)	AFRL Rocket Lab Hermes	<a href="#">LINK</a>



# Air Force Command & Center Small Business Offices

**AF** - <https://www.airforcesmallbiz.af.mil/>

Inbox - [SAF.SB.workflow@us.af.mil](mailto:SAF.SB.workflow@us.af.mil)

**AFMC** - <https://www.afmc.af.mil/About-Us/Small-Business/>

Inbox - [afmc.sb.workflow@us.af.mil](mailto:afmc.sb.workflow@us.af.mil)

**AFIMSC** – <https://www.afimsc.af.mil/About-Us/Doing-Business-with-AFIMSC/>

Various SBO Teams, see website

**AFLCMC** - <https://www.aflcmc.af.mil/Small-Business-Office/>

Inbox - [aflcmc.sb.org.mailbox@us.af.mil](mailto:aflcmc.sb.org.mailbox@us.af.mil)

**AFNWC** – <https://www.afnwc.af.mil/Weapon-Systems/>

Inbox - [AFNWC.SB.Workflow@us.af.mil](mailto:AFNWC.SB.Workflow@us.af.mil)

**AFRL** – <https://www.afrl.af.mil/About-Us/Fact-Sheets/Fact-Sheet-Display/Article/2326713/afrl-small-business-office/>

Inbox - [afrl.sb.questions@us.af.mil](mailto:afrl.sb.questions@us.af.mil)

**AFSC** – <https://www.afsc.af.mil/Units/SBO/>

Inbox - [afsc.sb.workflow@us.af.mil](mailto:afsc.sb.workflow@us.af.mil)

**AFTC** - <https://www.aftc.af.mil/About-Us/AFTC-Headquarters/Small-Business-Office-SB/>

Inbox - [AFTC.DesertOpportunities@us.af.mil](mailto:AFTC.DesertOpportunities@us.af.mil)