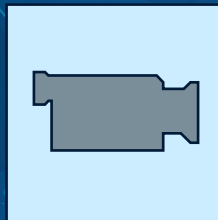




AFRL



Who We Are (video)



AFRL

AIR FORCE RESEARCH LABORATORY SMALL BUSINESS & STRATEGIC PARTNERING

BRIAN MCJILTON, DIRECTOR

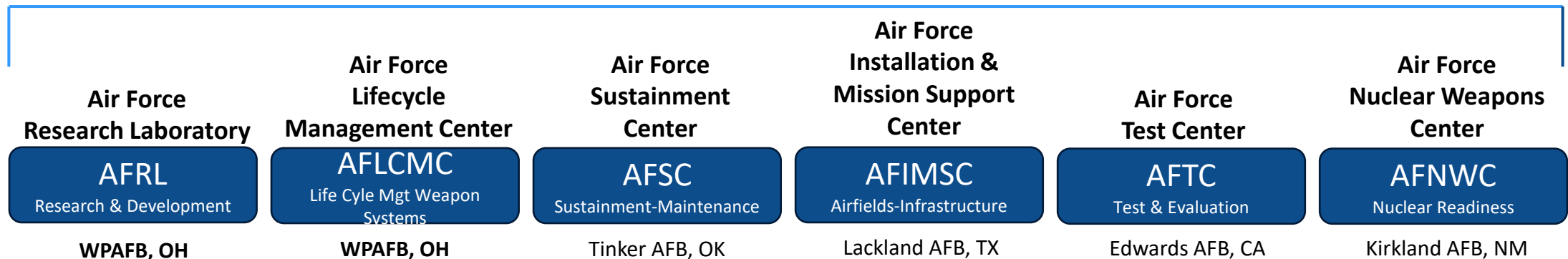
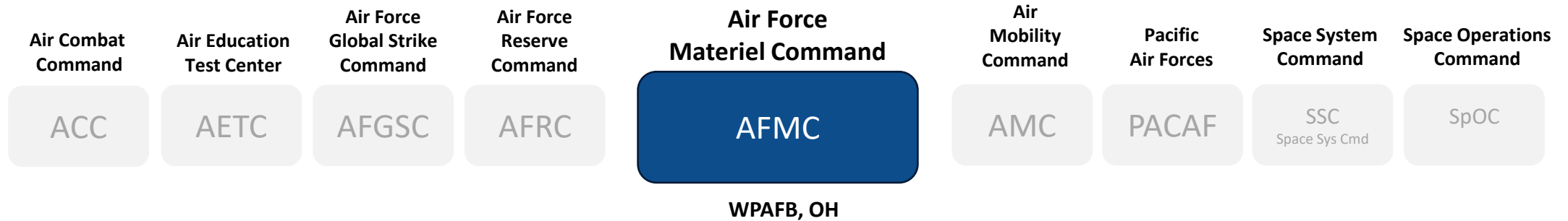
AUG 2025



AF MAJCOM and Center Structure

AFRL

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



MATERIALS & MANUFACTURING

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



MUNITIONS

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



HUMAN PERFORMANCE

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



SENSORS

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



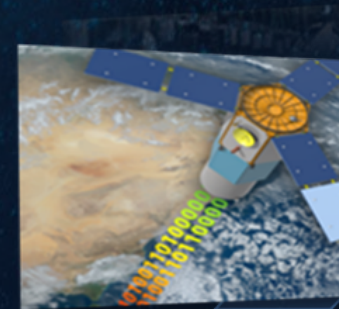
DIRECTED ENERGY

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



INFORMATION

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



SPACE VEHICLES

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



AEROSPACE SYSTEMS

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



AFRL on the Forefront of Space Technology

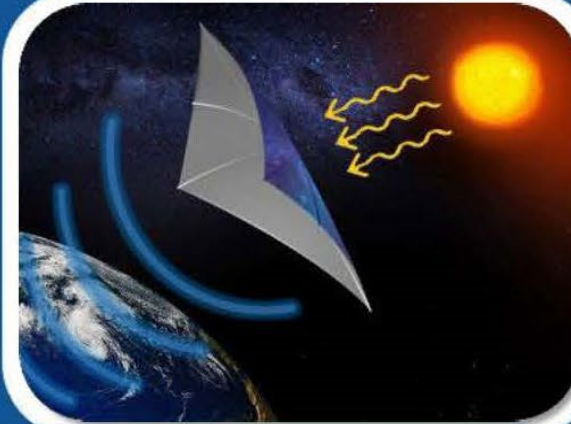
AFRL



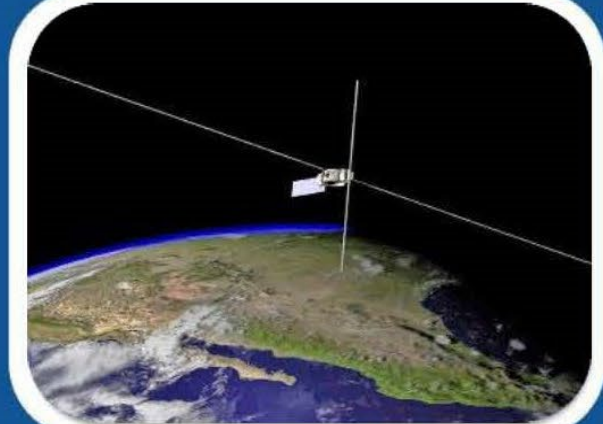
NAVIGATION TECHNOLOGY
SATELLITE - 3 (NTS-3)



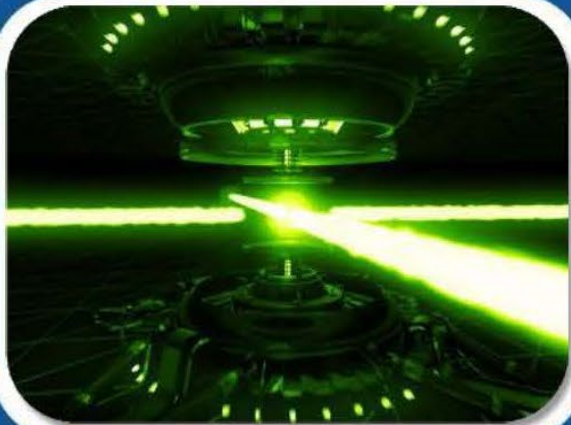
ADVANCED SPACECRAFT ENERGETIC
NON-TOXIC (ASCENT) PROPELLANT



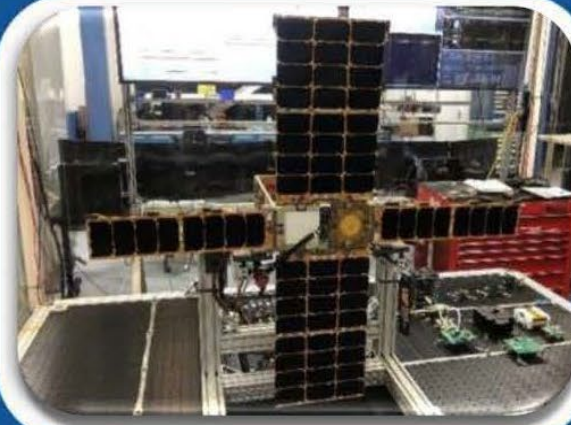
SPACE POWER BEAMING



DEMONSTRATION AND SCIENCE
EXPERIMENTS (DSX) SATELLITE



QUANTUM SENSING AND TIMING



SMALL SATS AND HYBRID
ARCHITECTURES



SPACE LOGISTICS AND
ADVANCED ROBOTICS



SPACE DOMAIN AWARENESS



AFRL Locations





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.

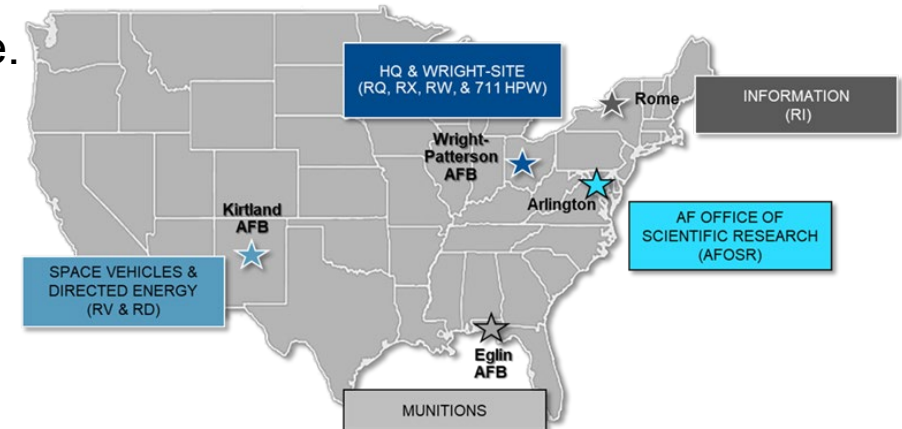
Vision - Together, AFRL and small businesses, driving Air and Space Force innovation and excellence.

- 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

AFRL Small Business (SB) Hub - <https://afrlsbhub.com/>

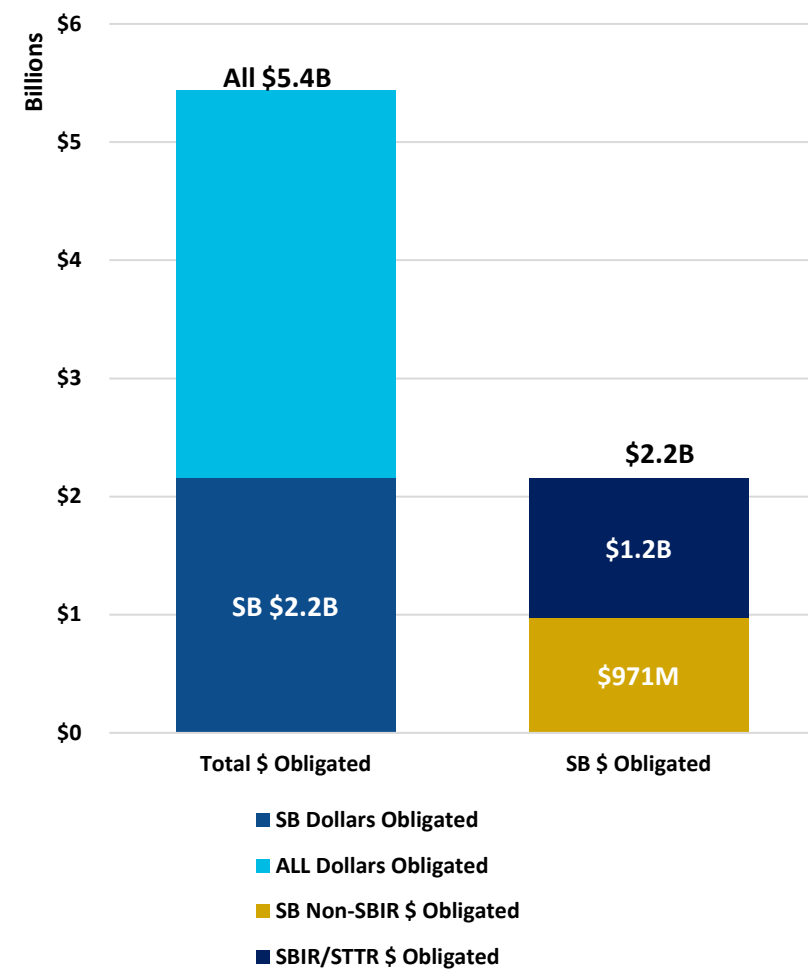
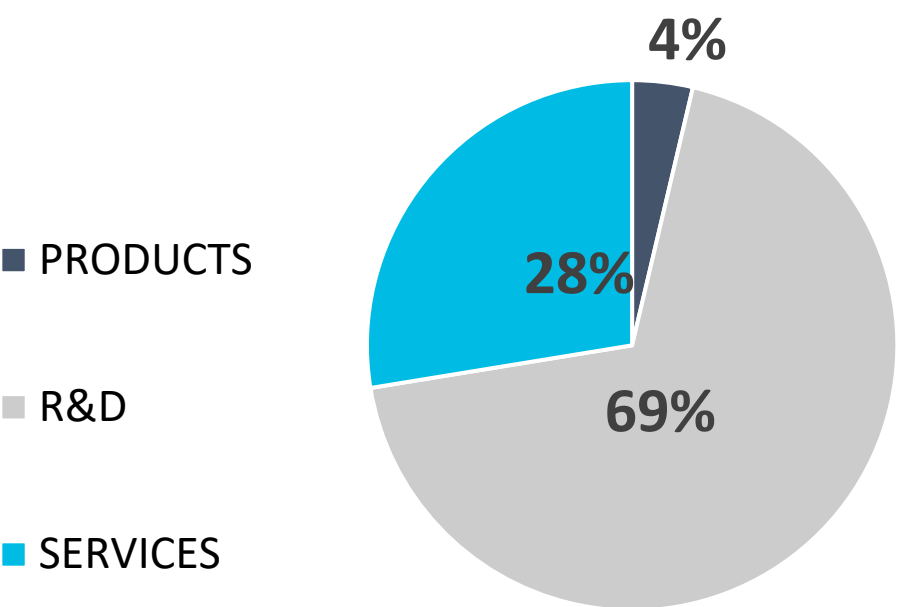




AFRL SB Portfolio & FY24 Execution – What We Buy

Procurements - R&D, Products, and Services Breakout

Category % of Dollars Obligated
(Non-SBIR)





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

AFRL

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



**Director
Scott Kiser (SES)**

**Director
Tonney Kawuh**

ACC

**Director
Harry Loughran**

AETC

**Director
Regina Blue**

AFGSC

**Director
Myaleca Malone**

AFRC

**Director
(Acting) Luke Schultz**

AFMC

luke.schultz@us.af.mil
WPAFB, Ohio

**Director
Elizabeth Cardenas**

AMC

**Director
Ailie Souriolle**

PACAF

**Director
Aaron Parra**

SSC
Space Sys Cmd

**Director
Reggie Selby**

SpOC

**Director
Brian McJilton**

AFRL

Research & Development

Brian.mcjilton@us.af.mil
WPAFB, OH

**Director
Luke Schultz**

AFLCMC

Life Cycle Mgt Weapon
Systems

luke.schultz@us.af.mil
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**Director
Ronald Hobbs**

AFSC

Sustainment-Maintenance

ronald.hobbs@us.af.mil
Tinker AFB, OK

**Director
Greg Santiago**

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gregory.santiago.2@us.af.mil
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**(Acting) Director
Shelley White**

AFTC

Test & Evaluation

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Edwards AFB, CA

**Director
Robert Acosta**

AFNWC

Nuclear Readiness

roberto.acosta.2@us.af.mil
Kirkland AFB, NM

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

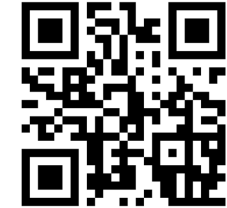


Small Business – Opportunities to Engage

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



AFRL Small Business Hub - www.afrlsbhub.com



Contracts/Grants/Broad Area Announcements (BAAs)

- System for Award Management - www.sam.gov
- 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



Ohio Federal Research Network (OFRN): 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.

U.S. AIR FORCE



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
- <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



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

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”

Search

All Words

e.g. 1606N020Q02

Q

OR

Keyword Search

For more information on how to use our keyword search, visit our [help guide](#)

Simple Search

Search Editor

☐ Any Words

☒ All Words

☐ Exact Phrase

e.g. 1606N020Q02

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



AFRL LOCATION	DoDAACs
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)

The screenshot shows the SAM.gov homepage. At the top left is the SAM.gov logo. To the right is a 'Sign In' button. Below the logo is a navigation bar with 'Home' and 'Search' links. A yellow callout box points to the 'Search' link with the text 'Searched an AFRL DoDAACs'. Below the navigation bar is a search bar. The search bar has a dropdown menu set to 'All Words' and a search input field containing 'FA2280'. A yellow circle highlights the search input field. To the right of the search bar is a magnifying glass icon. Below the search bar, on the left, is a 'Filter By' section. A yellow callout box points to this section with the text 'Search Results – five solicitation opportunities'. Below the 'Filter By' section is a 'Keyword Search' section. It contains a link to a help guide and two buttons: 'Simple Search' and 'Search Editor'. Below these buttons are three radio button options: 'Any Words', 'All Words' (which is selected), and 'Exact Phrase'. Each option has an information icon. To the right of the search bar is a 'Sort by' dropdown menu set to 'Date Modified/Updated'. Below the search bar, the main content area displays search results. A yellow circle highlights the text 'Showing 1 - 5 of 5 results'. Below this text is the title 'Small Hybrid Aerial Refueling Kit'. Underneath the title is the 'Notice ID: FA2280-23-S-C001'. Below the notice ID is a description: 'a small form factor fuel transfer mechanism that fits inside of a modular, platform agnostic, podded, outer mold line. ...'. Below the description is a table with three columns: 'Awardee', 'Unique Entity ID', and 'Office'. The 'Awardee' column contains 'DYNETICS, INC.'. The 'Unique Entity ID' column contains 'FH7ML8E9EWJ7'. The 'Office' column contains 'FA2385 USAF AFMC AFRL PZL AFRL PZLD'. Below the table is a link to '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'. To the right of the search results is a 'Contract Opportunities' button. Below the button is the 'Notice Type' 'Original Award Notice'. Below the notice type are the 'Updated Date' 'Aug 29, 2024' and the 'Published Date' 'Aug 29, 2024'. At the bottom right, there is a 'Current Response Date' 'September 09, 2024 at'.

Searched an AFRL DoDAACs

Search

All Words FA2280

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	Unique Entity ID	Office
DYNETICS, INC.	FH7ML8E9EWJ7	FA2385 USAF AFMC AFRL PZL AFRL PZLD

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

Current Response Date
September 09, 2024 at



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



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	LINK
		Connectivity and Dissemination (CAD)	
	Funding Opportunity Announcement (FOA) (FA8750-21-S-7007)	AFRL Regional Research Convergence Hub (ARRCH)	LINK
	BAA (FA8750-22-S-7006)	Adaptive Waveform Generation for Extreme RF (AWGER)	LINK
	BAA (FA8750-23-S-7001)	Quantum Information Sciences	LINK
	BAA (FA8750-23-S-7002)	Aerial Layer Networking & Transmission Technologies	LINK
	ARA (FA8750-24-S-7007)	Signals Intelligence Focused Technologies for Exploitation and Reporting (SIFTER)	LINK
	BAA (FA8750-23-S-7009)	Ultra-broadband Terahertz Radio Development	LINK
		Processing and Exploitation (PEX)	
	BAA (FA8750-20-S-7014)	Collaborative Sensing & Exploitation	LINK
	BAA (FA8750-20-S-7015)	Electronic Intelligence Information Exploitation	LINK



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)	LINK
	BAA (FA8750-20-S-7019)	Low Size, Weight and Power (SWaP), Cross-Domain System Architectures	LINK
	BAA (FA8750-21-S-7002)	SIGINT Solutions for Evolving Scenarios (SESS)	LINK
	BAA (FA8750-21-S-7004)	Multi-Source, Multi-Domain Data Exploitation for Battlespace Awareness and Decision	LINK
	BAA (FA8750-21-S-7006)	Geospatial Intelligence Processing and Exploitation (GeoPEX)	LINK
	BAA (FA8750-22-S-7002)	Signals Information Exploitation Technology Enhancements	LINK
	BAA (FA8750-23-S-7004)	Extreme Computing	LINK
	BAA (FA8750-23-S-7008)	Adaptive Fusion & Reasoning of Multi-Source Data (AFAR)	LINK
	BAA (FA8750-23-S-7005)	Signals Intelligence (SIGINT) Solutions for Evolving Scenarios (SESS)	LINK
		Autonomy, Command & Control, & Decision Support (AC2)	
	BAA (FA8750-23-S-7006)	Artificial Intelligence and Next Generation Distributed Command and Control	LINK
	BAA (FA8750-24-S-7003)	Coordinating Austere Nodes through Virtualization and Analysis of Streams (CANVAS)	LINK
THE AIR FORCE RESEARCH LABORATORY	BAA (FA8750-22-S-7001)	Fight Tonight	LINK



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



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



Air Force Command & Center Small Business Offices

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

Inbox - SAF.SB.workflow@us.af.mil

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

Inbox - 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

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

Inbox - 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

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

Inbox - 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