

Opportunity Review

System for Flight Control of Extremely Fast (Hypersonic) Aircraft (LAR-TOPS-363)

 **ACTIVE**

Who:

- U.S. companies interested in licensing rights to commercialize, manufacture, and market a NASA-developed flight-control technology for hypersonic aircraft or spacecraft.

What:

- **Technology Transfer Opportunity**
- NASA-developed hypersonic flight-control technology based on magnetohydrodynamics (MHD)
- This is a technology transfer/licensing opportunity rather than a procurement for funded work

Where:

- **SAM.gov**
- **Primary POC:** agency-patent-licensing@mail.nasa.gov

Why:

- To bring a NASA-developed hypersonics flight system to market

When:

- **Released:** 10 AUG 2026
- **Due:** 10 AUG 2027
- **Link:** <https://sam.gov/opp/2f72eaa7e1fe41648adb8d01215e740c/view>

SOURCES SOUGHT FOR COOPERATIVE RESEARCH & DEVELOPMENT PARTNERSHIPS HYPERSONIC INFRARED TARGET SENSING – TRANSITION OPPORTUNITY (HITS-TO)



Who:

- This sources sought notice is seeking U.S. partners for Cooperative Research and Development Agreement (CRADA) transition partnerships with Department of Defense laboratories to mature hypersonic infrared target sensing technologies for eventual infrared seeker integration on hypersonic weapons. The effort is aimed at advancing optical/IR technologies into hardware and software demonstrations at TRL 6+ and establishing transition pathways with industry, national labs, UARCs, and FFRDCs.

What:

- **Transition Opportunity**
- HITS-TO will mature transformational innovations and jointly create the leap-ahead technologies required to place an infrared seeker on a hypersonic weapon as rapidly as possible.

Where:

- **SAM.gov**
- **Primary POC:** HITS_RFI@army.mil

Why:

- The emergence of maneuvering hypersonic threats requires aggressive development of hypersonic interceptor technology to counter them.

When:

- **Released:** 29 JUL 2026
- **Due:** 30 SEP 2026
- **Link:** <https://sam.gov/opp/21f46ddaa13b49ba8504633abc71dd4d/view>

Manufacturing Research and Technology Development Open Period

 **ACTIVE**

Who:

- U.S. industry with emerging solutions to improve Air Force and defense manufacturing capability

Where:

- **SAM.gov**
- **Primary POC:** tristan.lyle@us.af.mil
- **Alternate POC:** elizabeth.mcnutt@us.af.mil

What:

- Open-period call for white papers and follow-on proposals
- 12 to 40 month period of performance

Why:

- To develop advanced manufacturing innovations across high-impact technology domains, making it relevant for firms with scalable prototype-to-transition manufacturing solutions

When:

- **Released:** 23 JUN 2026
- **Due:** 22 JUN 2031
- **Link:** <https://sam.gov/opp/437f9d065b494196bb124668a8b186f9/view>

Air Force Research Laboratory (AFRL) Enterprise Commercial Solutions Opening

 **ACTIVE**

Who:

- U.S. industry looking for an enterprise-level entry point for R&D and prototyping opportunities

Where:

- **SAM.gov**
- **Primary POC:** afrl.cso.mailbox@us.af.mil

What:

- Innovative commercial technologies, services, studies, and prototype efforts across the full AFRL mission space

When:

- **Indefinite opening**
- **Link:** <https://sam.gov/opp/7eb9a38284da4f59a18a742d3d160205/view>

Why:

- To develop Innovative commercial products, commercial services, new capabilities, studies and analysis, and prototype projects
- To source proof-of-concept efforts, model/process development, agile development, technical or operational utility demonstrations, and pilot applications of commercial technologies

Golden Dome for America Commercial Solutions Opening

 **ACTIVE**

Who:

- Golden Dome for America is using a long-duration Commercial Solutions Opening to identify and rapidly award innovative commercial technologies, prototype projects, and support services that can close mission gaps in homeland defense against advanced aerial threats.

What:

- This CSO is a full and open acquisition. White Papers will be considered from all sources capable of addressing the objectives of this CSO, consistent with statute and regulation, including the security requirements of this effort.

Where:

- **SAM.gov**
- **Primary POC:** osd.pentagon.ousd-r-e.mbx.gda-contracting@mail.mil

Why:

- The Homeland is currently at risk and is relatively undefended from a new generation of advanced weapons being actively developed by adversaries.

When:

- **Released:** 02 APR 2026
- **Due:** 01 APR 2031
- **Link:** <https://sam.gov/opp/c5343568646d4e748946ed7b77a00d1e/view>

DoW Research BAAs and Open Research Announcements

BAA Call N0001426SBC05

Focus: Maturing and demonstrating critical subsystems, materials, design tools, and test articles needed to advance hypersonic vehicle development

Agency: Navy

Timeline: Open through **September 30, 2026**

Link: <https://sam.gov/opp/e8385dd96aae4c2dac8625b74934fc1d/view>

Structural Materials Open BAA

Focus: Advanced materials, modeling, characterization, and extreme-environment structural solutions across air, space, propulsion, hypersonics, and munitions

Agency: AFRL

Timeline: Open through **September 2027**

Link: <https://sam.gov/opp/abab07daf3a94514b546c32e33c3dc84/view>

Helpful Links

1. [SAM.gov](#) – Contract opportunities
2. [GRANTS.gov](#) – Federal funding opportunities
3. [SBIR.gov](#) – SBIR/STTR information and solicitations
4. [defensesbirsttr.mil](#) – DoD-specific solicitation information
5. [dodsbirsttr.mil](#) – DoD-specific solicitations
6. [sbir.nasa.gov](#) – NASA-specific solicitations
7. [ohiofrn.org](#) – Help with identifying opportunities, matchmaking, and proposal development
8. [apex-innovates.org](#) – Help with SBIR/STTR process navigation and matchmaking

Upcoming Events

Turbine Engine Technology Symposium (TETS)

August 31- Sept. 3, 2026

Dayton, OH

<https://tets.us/index.html>

AFA Air Space & Cyber Conference

Sept. 14-16, 2026

National Harbor, MD

<https://www.afa.org/air-space-cyber-conference/>

Glenn Space Technology Symposium

Sept. 15-16, 2026

Cleveland, OH

<https://astronautical.org/events/john-glenn-memorial-symposium/>

Ohio Space Forum

September 17, 2026

Cleveland, OH

<https://www.orbitohio.com/>

AI Horizons

September 17-18, 2026

Pittsburgh, PA

<https://aihorizonspgh.com/>

Ohio Defense and Aerospace Forum

Sept. 21, 2026

Dayton, OH

<https://www.ohiodefenseforum.org/>

AFA Air Space & Cyber Conference

Sept. 14-16, 2026

National Harbor, MD

<https://www.afa.org/air-space-cyber-conference/>

IEEE International Conference on Intelligent Robots and Systems (IROS)

Sept. 27-Oct. 1, 2026

Pittsburgh, PA

<https://2026.ieee-iros.org/>

Keystone Space Conference

October 27, 2026

Pittsburgh, PA

<https://keystonespace.org/2026-conference/>