

An aerial photograph of a fleet of five Navy ships sailing in formation on the open ocean. The ships are arranged in a loose V-shape, with two large aircraft carriers in the front and three smaller ships behind them. The water is a deep blue, and the ships are leaving white wakes behind them. The text is overlaid on the center of the image.

Department of the
NAVY
SBIR/STTR
PROGRAMS

25.4 Release 11 BAA
Virtual Topic Workshops
August 25 - 28, 2025

Rules of Engagement

- Post all questions via the Q&A Component
- Session will be recorded and posted on navysbir.com

SBIR/STTR Program Authorities

- 15 U.S. Code §638. Research and development
- [*https://uscode.house.gov/view.xhtml?req=\(title:15%20section:638%20edition:prelim\)*](https://uscode.house.gov/view.xhtml?req=(title:15%20section:638%20edition:prelim))
- SBIR/STTR Policy Directive – provides guidance from SBA to the participating Federal agencies for the general operation of the SBIR and STTR programs.

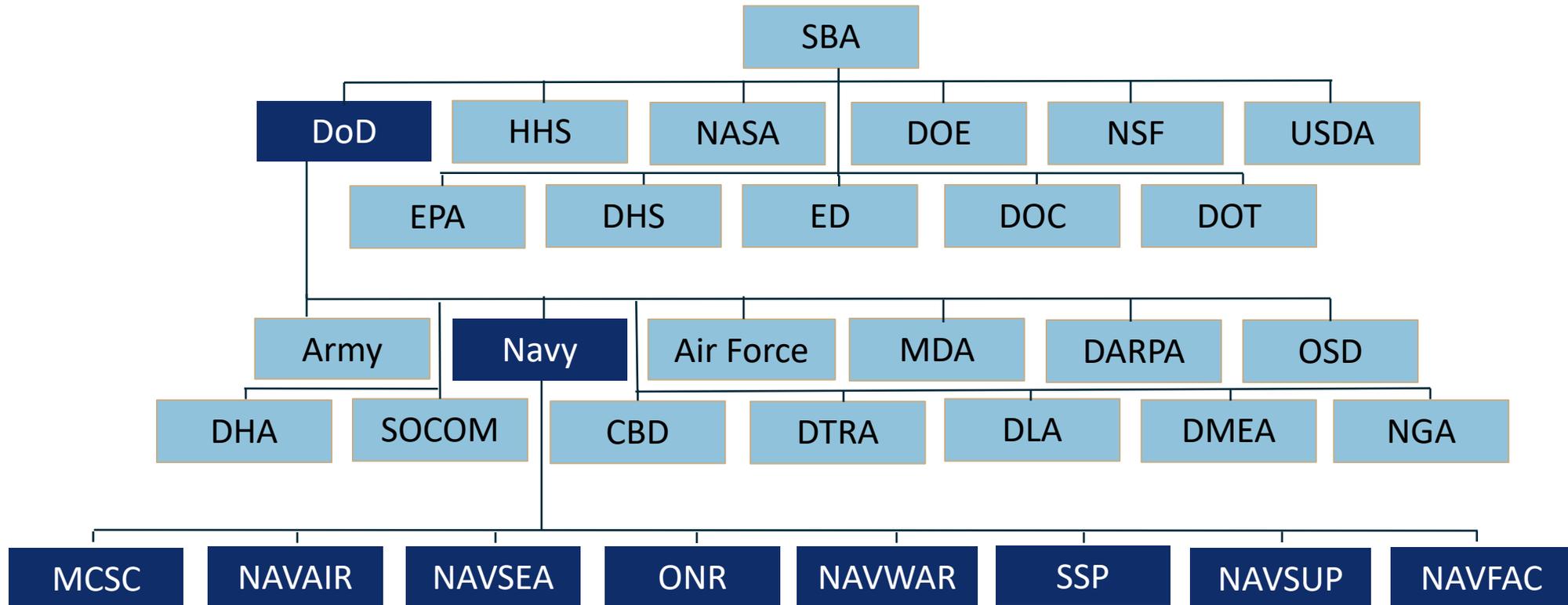
- [*https://www.sbir.gov/sites/default/files/2024-07/SBA%20SBIR_STTR_POLICY_DIRECTIVE_May2023.pdf*](https://www.sbir.gov/sites/default/files/2024-07/SBA%20SBIR_STTR_POLICY_DIRECTIVE_May2023.pdf)



Program Goals

- Stimulate technological innovation
- Use small business to meet Federal R/R&D needs
- Foster and encourage participation in innovation and entrepreneurship
- Increase private sector commercialization of innovations derived from Federal R&D funding
- Foster technology transfer through cooperative R&D between small businesses and research institutions

Federal SBIR/STTR Programs



Naval SBIR/STTR Systems Commands (SYSCOM) Contacts
<https://navysbir.com/poc.htm>

Eligibility

- Must qualify as a small business concern as defined by 13 CFR 121.702:
 - Organized for profit, with a place of business located in the United States
 - More than 50% owned and controlled by one or more individuals who are citizens or permanent resident aliens of the United States, or by other small business concerns that are each more than 50% owned and controlled by one or more individuals who are citizens or permanent residents of the United States; and
 - No more than 500 employees, including affiliates
- Must meet the commercialization and transition rate benchmark requirements as determined by the SBA
- Small business concern can be majority-owned by multiple venture capital operating companies, hedge funds, or private equity firms

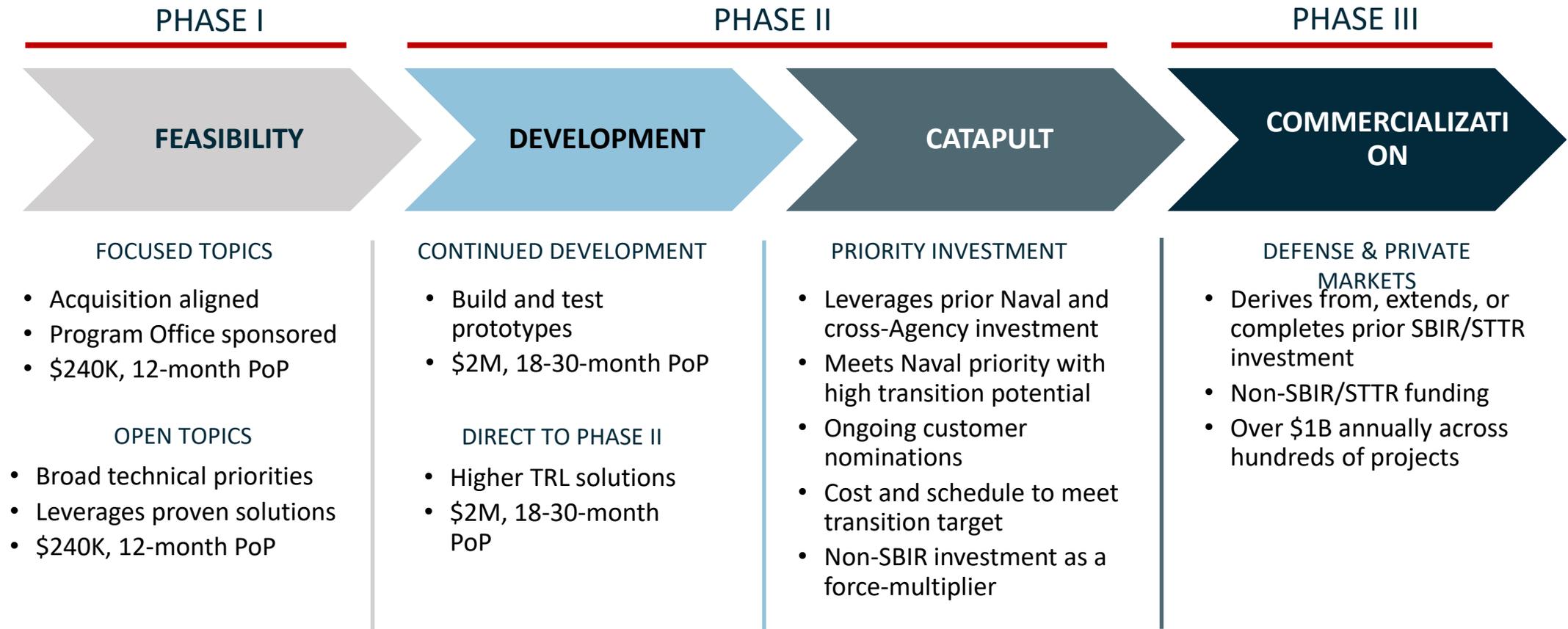
Differences between SBIR and STTR

	SBIR	STTR
Partnering Requirement	Permits partnering	Requires a non-profit research institution partner
Principal Investigator	Primary employment (>50%) must be with the small business	PI may be employed by either the research institution partner or small business
Work Requirement	May subcontract up to: 33% (Phase I) 50% (Phase II)	Minimum: 40% Small Business 30% Research Institution Partner
Program Size	3.2%	0.45%
Majority VC Ownership	Allowed by some agencies	Not allowed
Participating Agencies	11 Agencies (extramural R&D budget >\$100M)	5 Agencies (extramural R&D budget > \$1B)

The small business is ALWAYS the applicant and awardee.

Execution Aligned to Mission Requirements

How We Work



DoD SBIR 25.4 Release 11 - BAA Schedule

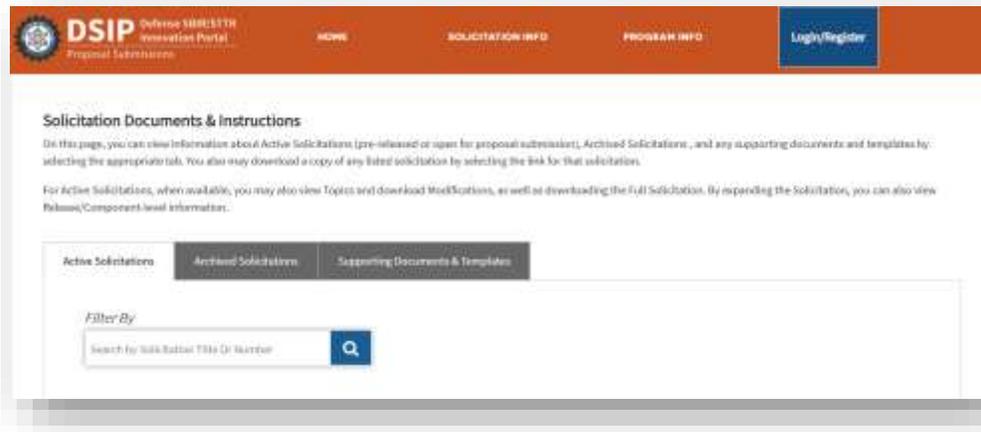
Pre-Release	Open	Close
August 6	August 27	September 24

SYSCOM	Topic
Open Topics	
MCSC	N254-P01: MCSC Open Topic for Non-Lethal Counter Personnel and Vehicle Stopping Technologies
NAVSEA	N254-P02: NAVSEA Open Topic for Modular Mine Warfare Components
NAVWAR	N254-P03: NAVWAR Open Topic for Post-Quantum Encryption for Commodity Hardware
Conventional Topics	
NAVFAC	N254-122: Artificial Hardwood Replacement for Dry Docking Blocks
NAVFAC	N254-123: Expeditionary Energy-Efficient Greywater Treatment for Reuse
NAVSEA	N254-124 TITLE: Non-Intrusive Sensing for Ship Space and Equipment Monitoring

Posting of Topics

DoD

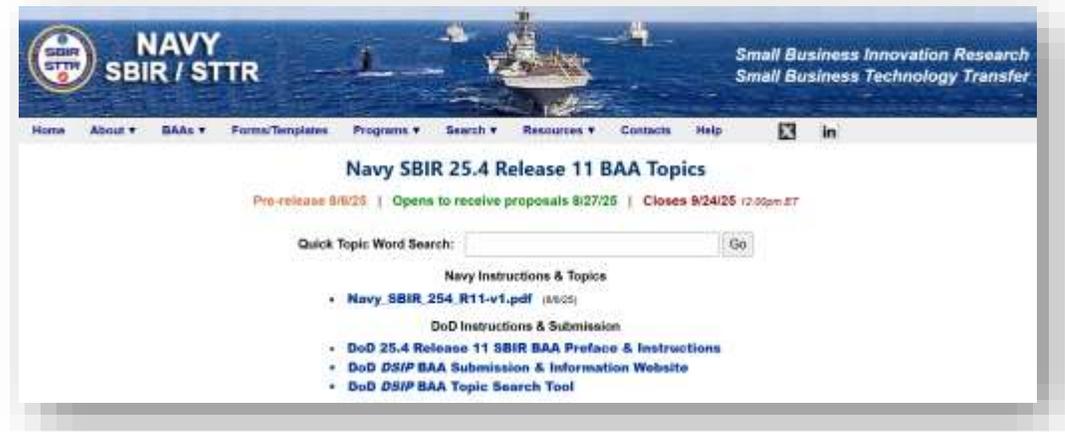
<https://www.dodsbirsttr.mil/submissions/login>



- Active solicitations & Topic Q&A
- Archived solicitations
- Training materials available on DSIP

DON

<https://navysbir.com/>



- DON instructions
- DON topic list and descriptions
- Copy of DSIP Topic Q&A

Everything you need to know is in the BAA!

DON SBIR 25.4 Release 11 Topic Workshop August 28, 2025

NAVSEA Program Executive Office

Unmanned and Small Combatants (PEO USC)

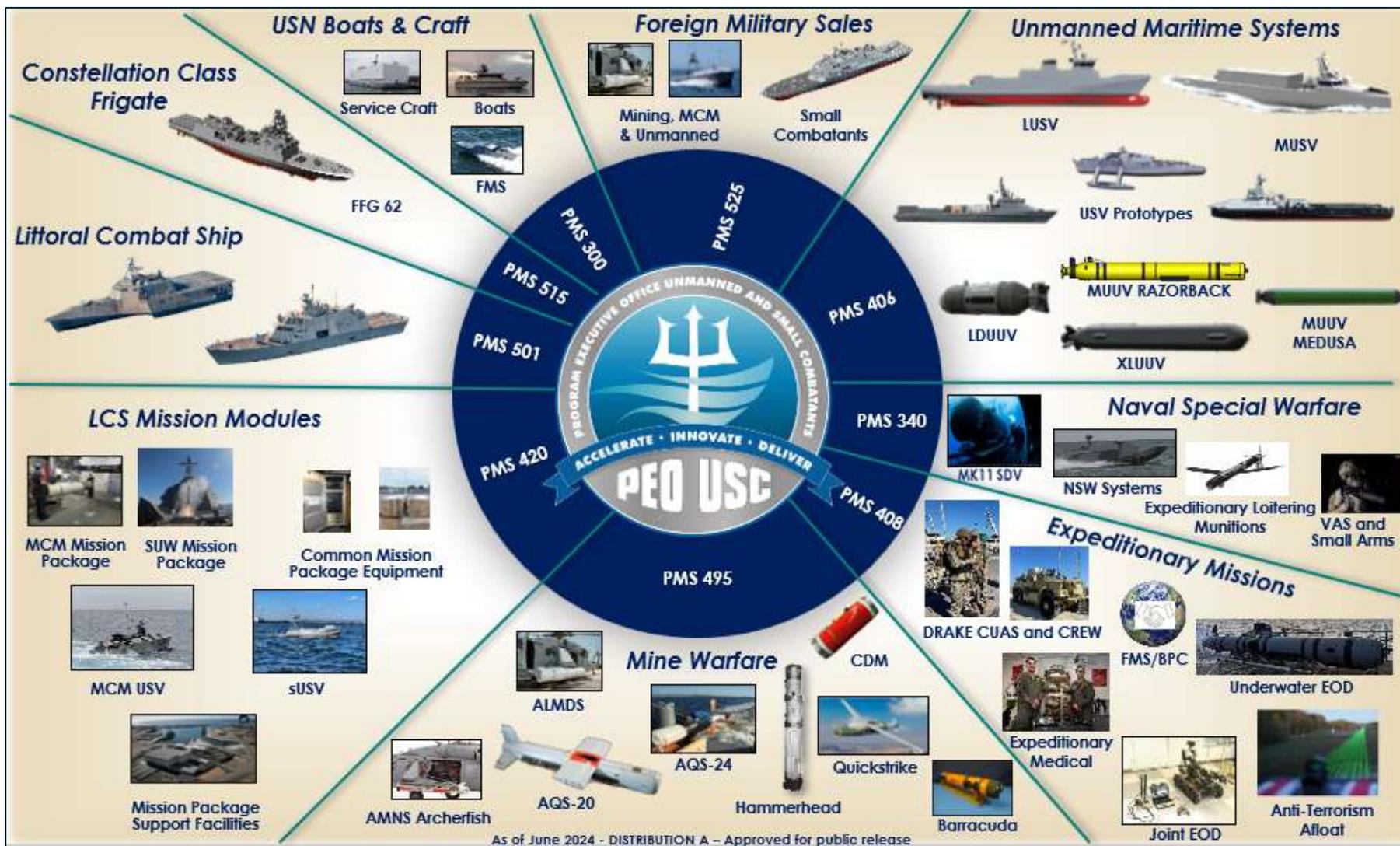
N254-P02, Modular Mine Warfare Components

Ms. Jennifer Greenwood

Deputy CTO, PEO USC



PEO USC Portfolio





N254-P02 – Modular Mine Warfare Components

Seeking mature (TRL 5 or higher) technologies to enhance modularity, capability and adaptability in naval mines.

Proposed solutions must adhere to specified cylindrical form factors, support interoperability via standard interfaces, and be watertight.

The overall system level architecture consists of a set of modules across five categories:

- Sensing Module
- Energy Supply Module
- Power and Data Bus Module
- Core Computing and Processing Module
- Electric Safe and Arming Device (ESAD) Module





N254-P02 – Modular Mine Warfare Components

Develop modular mine components to facilitate configurable mining capability adaptable for various environmental and operational conditions.

Key Requirements

- TRL 5+
- Modular design across five categories
- Standardized interfaces for interoperability
- Watertight cylindrical form factors
- Space, Weight, Power, and Cost (SWAP-C) for the modules are found in the BAA

Five Module Categories*

- Sensing Module
- Energy Supply Module
- Power and Data Bus Module
- Core Computing and Processing Module
- Electric Safe and Arming Device (ESAD) Module

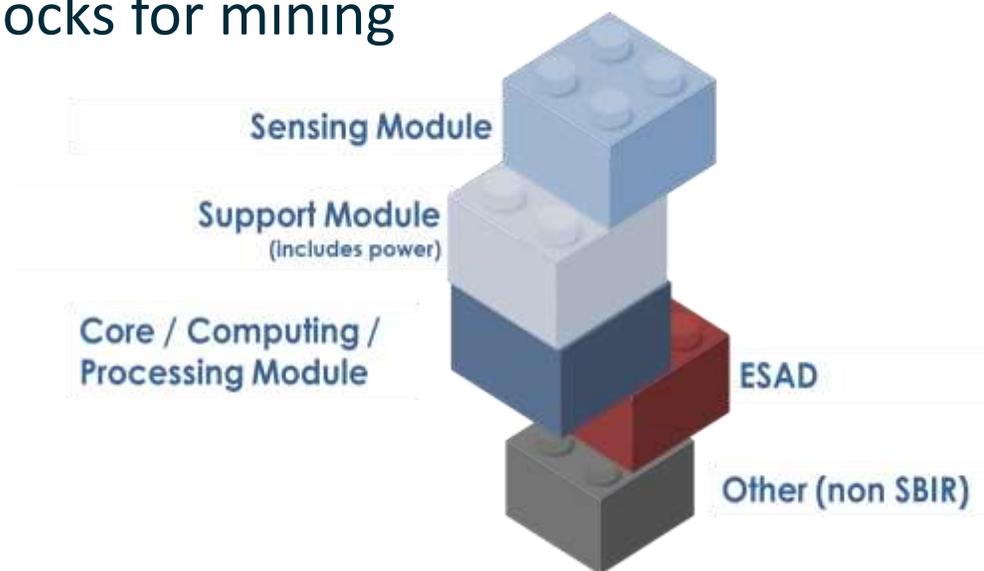
* Proposals can be for 1 or more modules



N254-P02 – Modular Mine Warfare Components

Development Strategy

- Modular design across five categories are building blocks for mining capability
- Targeting capabilities that are currently TRL 5+
- Standardized interfaces for interoperability
- Highly collaborative SBIR development



The Goal is to have a Fieldable Capability at the End of Phase II