



# Department of Navy (DON)

Small Business Innovation Research (SBIR)  
Small Business Technology Transfer (STTR)

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# DON SBIR/STTR At A Glance

- **Primary Program Goals:**
  - Use small business to develop innovative technology to meet the broad range of DON needs
  - Insert SBIR/STTR technologies and products in platforms and systems that help DON achieve its mission
- **About the Program:**
  - Acquisition-driven process with strong technology pull
  - ~\$300M in annual funding to support small business technology innovation
  - Wide range of SBIR/STTR topics driven by specific acquisition needs
  - Attracts significant non-SBIR program (mission) funds investment

**Providing Innovative Technologies to the Warfighter**



# What Role Does SBIR/STTR Play for the Navy and Marine Corps?



**We Need and Use Small Business Solutions**



# Participating DON SYSCOMs

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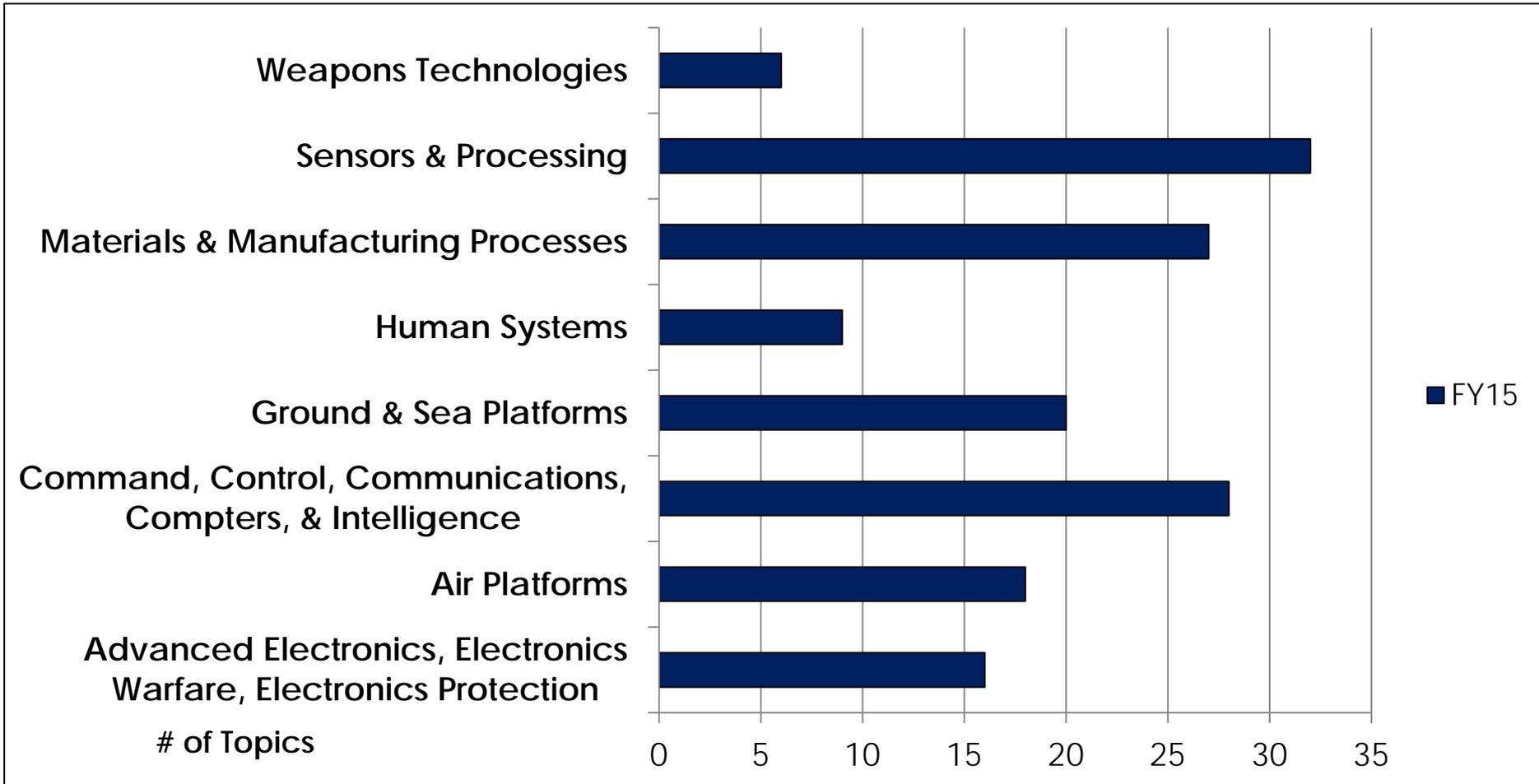


# Why Participate in SBIR/STTR?

- Largest source of early stage R&D funds for small businesses
- Builds credibility of company's research
- Data Rights retained for 5 years
  - STTR: small business must have data rights agreement with research institution
- Small business can maintain ownership of equipment purchased under Phase I and Phase II
- Better alternative than mortgaging the house...again!



# DON SBIR/STTR Topic Focus



Note: Research in areas of Cyber Security, Engineered Resilient Systems, Counter-IED, Autonomy, and Energy & Power Technologies were all funded during the period; however, these topics were included in other research categories based on prior taxonomies.



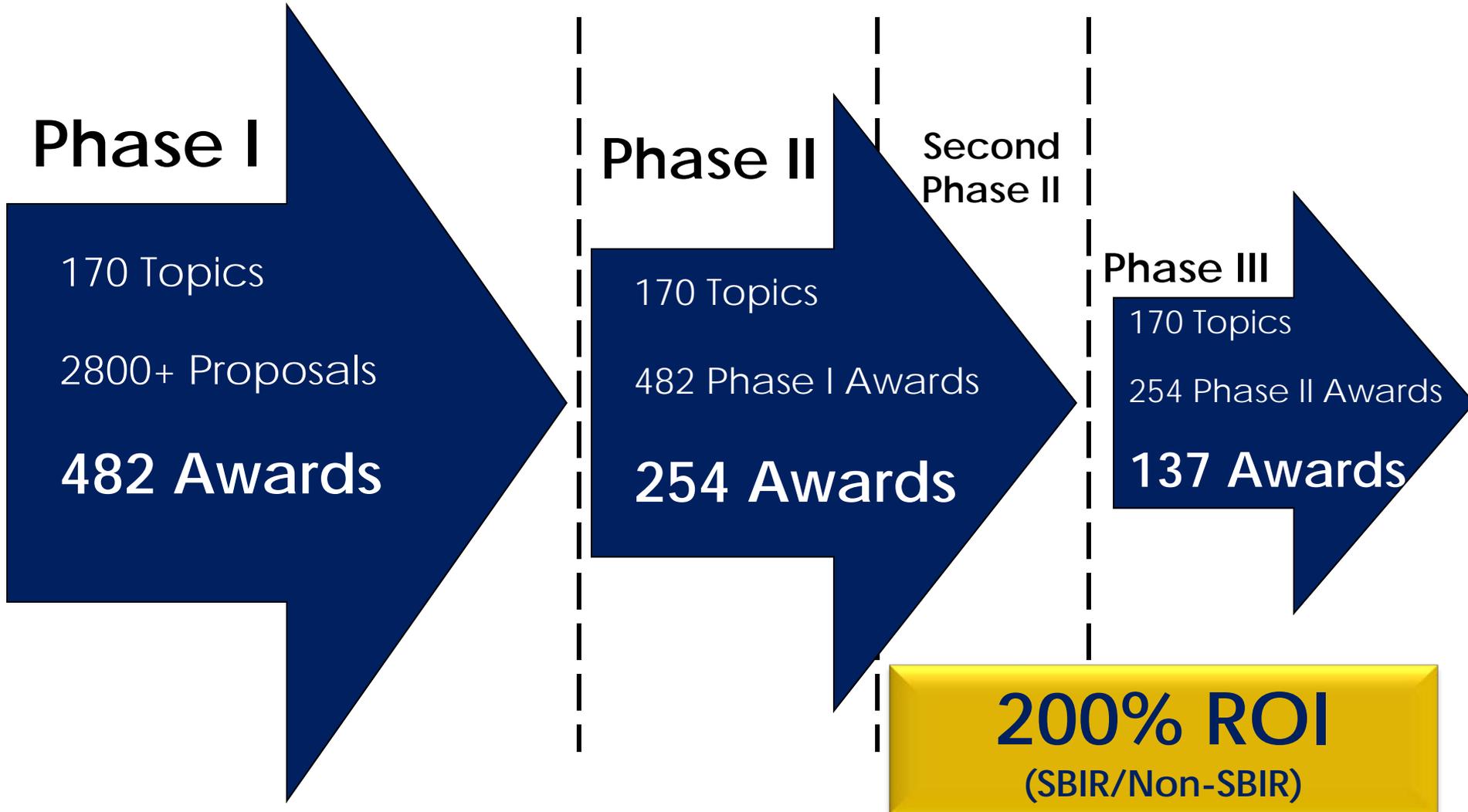
# Our Metrics

		FY12	FY13	FY14	FY15*
SBIR	Funding (\$M)	\$271	\$231	\$243	\$259
	Topics	160	149	129	132
	Phase I Awards (FY Solicitations)	434	378	346	205
	New Phase II Awards	279	232	212	152
STTR	Funding (\$M)	\$36	\$31	\$35	\$37
	Topics	26	29	25	23
	Phase I Awards (FY Solicitations)	62	70	61	60
	New Phase II Awards	23	41	23	22
SBIR/ STTR	Phase I Proposals (FY Solicitations)	2,883	2,588	2,321	1,758
	Avg. time to award Phase I (mos.)	4.3	4.5	4.3	4.2
	Phase III Awards	121	146	142	**

\* Only includes data as of September 2015; \*\* Phase III data captured in January 2016



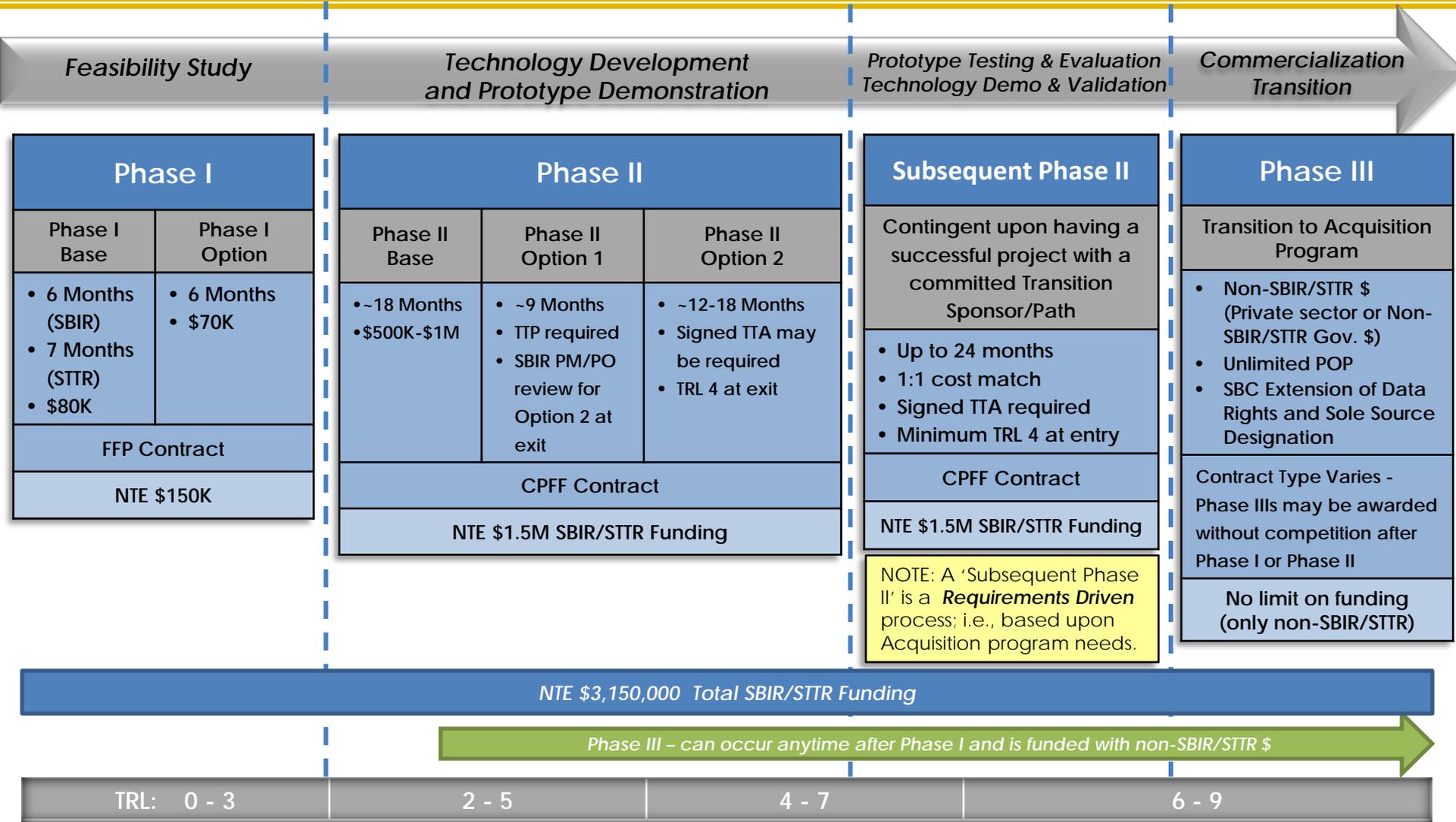
# Life of a Topic





# SBIR/STTR Program Award Structure

## DON SYSCOMs tailor as needed



NOTE: A 'Subsequent Phase II' is a **Requirements Driven** process; i.e., based upon Acquisition program needs.



# Commercialization Readiness Program (CRP)

- Created by Congress in FY06
- Goal: Accelerate transition of SBIR/STTR technology to Phase III
- DON sets aside approximately 20% of its annual SBIR funding
- Selection process is very rigorous
  - Validation of DON requirement, technology maturity & firm capabilities
  - Matching funds (non-SBIR/STTR \$) investment is required
- DON CRP invested over \$510M into 276 projects since FY06
  - Return on Investment since FY06:
    - \$327M in direct government funding (Phase III); and
    - \$526M in non-government funding (reported in CCR)



Small Business Innovation Research **NAVY** Small Business Technology Transfer

Supporting Technological Innovation - Providing Cutting-Edge Solutions - Stimulating Economic Growth

Search

General Search | DTIC Categories

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electromagnetic

Query Refinement: > [electromagnetic](#) [Show Help](#)

**Data Sources**

- All Data Sources
- Navy Awards (3909)

**Concept Cloud** Display Type: [Cloud](#) | [Clusters](#)

boats and watercraft + conceptual framework + dozens of RF + electromagnetic interference + electromagnetic launcher + electromagnetic shielding + electromagnetic solver + electromagnetic spectrum + formulations without sacrificing + High-Power Microwave + HPM attack + inertial navigation + Large-scale Electromagnetic + radar and SATCOM + radar clutter + rail gun + shipboard electromagnetic

<< Previous      Displaying 1 - 15 out of 3909 Total Results      Next >>

**95.35% Active Motion-Compensation Technology for Roll-On/Roll-Off Cargo Vessel Discharge to Floating Platforms**

Summary: Active Motion-Compensation Technology for Roll-On/Roll-Off Cargo Vessel Discharge to Floating Platforms, The overall goal of this Phase II project is to develop a motion compensating platform (MCP) technology for the 32MJ **Electromagnetic (EM)** railgun aboard the Joint High Speed Vessel (JHSV). Ship motion for the catamaran is significantly different from a monohull such as the DDG 51.. Active Mot...

Topic Number: N112-137  
Firm Name: Advanced Technology & Research Corp.  
Phase: II  
Award Start Date: 01/20/2015  
Award End/Mod Date: 01/20/2017  
Source: Navy Awards

**94.83% Tunable Nanoscale UltraViolet Absorber Particle Technology**

Summary: Tunable Nanoscale UltraViolet Absorber Particle Technology, Physical Sciences, Inc. We have demonstrated chaff cloud formation using both a Capco pyrotechnic burster and a PSI designed and built burster that uses compressed CO2 driven dissemination. At the end of the Phase II Option program, PSI will deliver 240 devices to NSWC/Crane for testing.

Topic Number: N132-100  
Firm Name: Physical Sciences Inc.  
Phase: II  
Award Start Date: 12/23/2014  
Award End/Mod Date: 12/31/2015  
Source: Navy Awards

**94.83% A Novel, Low Cost and Handheld Microwave Sensor for the Detection and Evaluation of Incipient Composite Heat Damage**

Summary: A Novel, Low Cost and Handheld Microwave Sensor for the Detection and Evaluation of Incipient Composite Heat Damage. Due to their high specific strength and light weight properties, polymer matrix composites (PMCs) are increasingly used in a wide variety of military

Information Sources:  
 Navy Awards  
 Virtual Showcase Awards  
 Navy Success Stories

Phase:

Firm DUNS:   
Firm Name:   
Firm ZIP(s):   
State Code:   
Topic Number:   
Award TPOC:   
Fiscal Year:   
Contract No:   
Keyword(s):

If unsure of firm name spelling, check to perform fuzzy search

Number of Results: 15   
Sort By: Relevance + Date   
Federate Search to DTIC?   
Search on Award Start Date?

Done      Internet | Protected Mode: On      100%



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Check for the most up to date information about the program, topics, awards, and more!



# Questions

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