



NAVSEA Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Program

Open Topic AMA

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Navy SBIR/STTR

- Addresses Department of Navy needs by commercializing innovative R&D
- 8 Navy Organizations actively participate

NAVSEA	NAVWAR	NAVSUP	SSP
NAVAIR	NAVFAC	ONR	MCSC

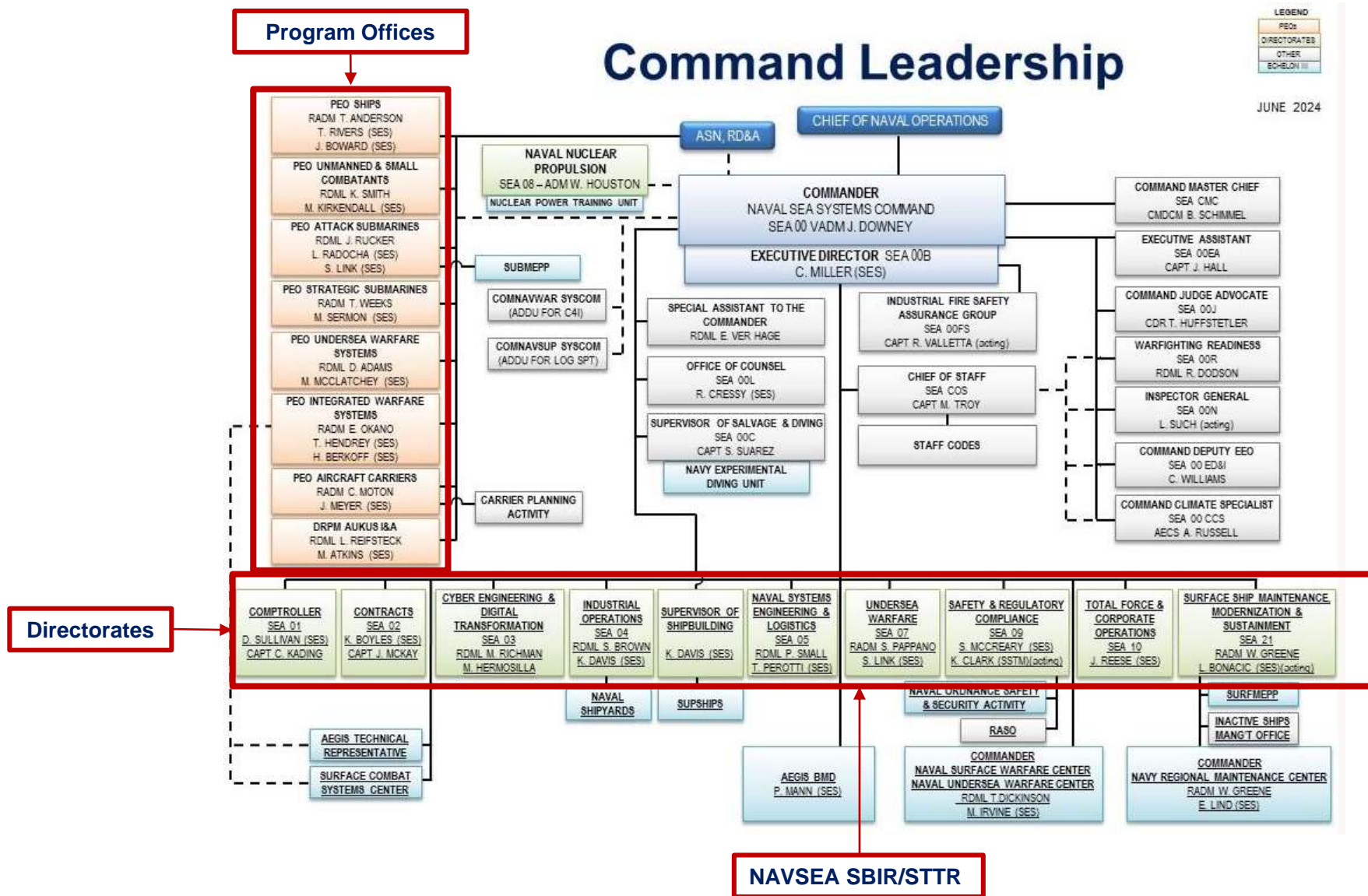


- NAVSEA has 6 SBIR/STTR Portfolios with a total budget exceeding \$100M per year

HQ & Directorates	Team Ships	PEO IWS
Team Subs	PEO CV	PEO USC

- Outcomes result in better, faster, cheaper products and processes for Navy use
 - Goal of SBIR/STTR is to commercialize innovations and transition them to the use of Navy warfighters
- NAVSEA awarded the following amounts in FY 2018 through FY 2022:

FY 2018-22	Phase I	Phase II	Phase III
Amount	\$109M	\$504M	\$2.4B
# of Businesses	311	203	67



- NAVSEA requests proposals for existing technology demonstration platforms, prototypes, and commercial products to that will reliably and safely get Navy assets back in the field as quickly as possible. For Phase I awardees, NAVSEA will provide an operational context which technologies will be assessed against and provide feedback and guidance on enhancements to align with the Fleet's warfighting objectives. The proposing small business concern should have an existing solution, either hardware and/or software, which can be evaluated through operational experimentation with end users.
- As stated in the instruction, only one proposal from a single small business concern will be accepted for this topic.
- Areas of focus for potential projects include, but are not limited to:
 1. Material Readiness and Availability
 2. AI/ML Generated Work Instructions
 3. Additive Manufacturing Tools and Processes Advancements
 4. Cold Spray Technology Advancements
 5. Shipyard and Maintenance Operational Logistics Improvements
 6. Rapid Manufacturing to address urgent part obsolescence needs

- NAVSEA Open Topic for Sustainability and Obsolescence: Seeking commercial solutions to meet specific mission critical Naval needs in specific areas
- Improve infrastructure and system sustainability across all major Navy lines of effort
- Meet NAVSEA’s Sustainability goals
- Implementing best practices across shipyards and maintenance centers to provide uniformity

“Deliver on time, every time, to preserve our national security”

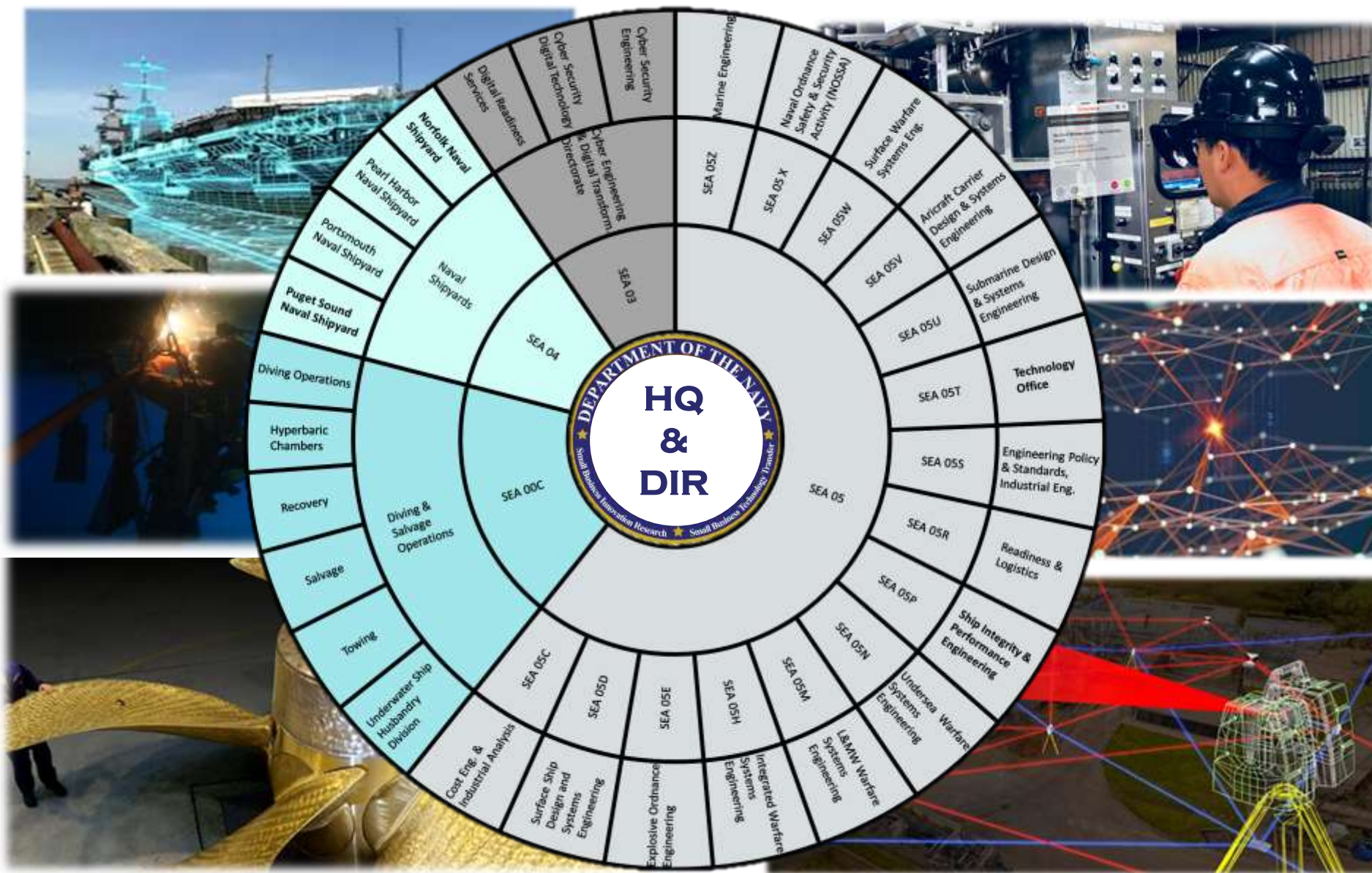
- Reduce environmental impacts/increase sustainability
- Lower costs
- Improve operator usability and/or throughput
- Mature testing and acceptance of materials
- Provide equipment/methods/materials that adapt to different maintenance environments
- Improve coordination and expedite planning and material readiness across maintenance centers
- Reduce degradation and/or increase live span of parts/material



Back Up Slides



HQ & DIR Stakeholders



- Digital Twins
- Extended Lifespans for parts
- Operator Comfort and Endurance Improvements
- Shipyard logistics operations