

# FY19.2 (SBIR) Topic Titles

PEO	Topic Title
HQ/DIR	Improved Propulsion Technologies for Mine Countermeasures Unmanned Undersea Vehicle Systems
SUB	Distributed Sensing of Unsteady Surface Pressure Fields
IWS	Threat Prioritization Decision Aid for Theater Anti-Submarine Warfare (TASW)
IWS	Multiplayer Serious Game for Anti-Submarine Warfare Sonar Operator Training
IWS	Multi-Instruction Set Architecture (ISA) Processing with a Peripheral Component Interconnect express (PCIe)
IWS	Undersea Acoustic Risk Analysis Decision Aid for Theater Anti-Submarine Warfare (TASW) Mission Planning
IWS	Combat System Dynamic Resource Management
SUB	Oxygen Delivery and Monitoring System
IWS	Advanced Video Compression Capability
HQ/DIR	Non-Explosive Wire Rope and Cable Cutter
HQ/DIR	3D Visualization Capability for Fleet Remotely Operated Vehicles (ROVs)

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PEO	Topic Title
CVN	Passive Cooling for Aircraft Carrier Jet Blast Deflectors (JBD)
SHIPS	Unmanned Vehicle Launch & Recovery (L&R) for MK VI Patrol Boats
SUB	Spatially Integrating Magnetometer
IWS	Blind Mating Connection for 19-inch Electronic Industries Alliance Racks in AEGIS Computing Infrastructure
IWS	Field Serviceable Non-Acoustic Data Logging Sensor Module for Towed Arrays
SUB	Large Instantaneous Bandwidth High Dynamic Range Digitizer
SUB	FireFly™ Based Network Switch
SHIP	Autonomous Collective Protection System (CPS)
SHIP	Innovative Helicopter Hangar Door Seals
SUB	Small-Scale Velocity Turbulence Sensors for Undersea Platforms
USC	Application Level Cybersecurity Threat Detection
SHIP	Durable Foreign Object Debris (FOD) Screens for Air Cushion Vehicles

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SUB	Quiet Launch for 6-Inch Externally Stowed Devices
SUB	Deep Submergence Tactical Acoustic Doppler Current Profiler (ADCP) and Doppler Velocity Logger (DVL)
IWS	Structurally Integrated Enclosure for AEGIS Combat System Computer Hardware
SUB	Undersea Sensor Network Performance Modeling and Cost Tool
SUB	Sensor for Ocean Wave Field Measurement from a Moving Submerged Platform
SUB	Torpedo Advanced Processor Build (APB) Algorithm Development
SUB	Metal Additive Manufacturing of Pressure Vessel Experimental Models
SUB	Underwater Explosion (UNDEX) Evaluation of Composite External Volumes (EVs)

PEO	Topic Title
IWS	Three Dimensional Field of Light Display
IWS	Universal Sensor Application Programming Interface (API) for Undersea Data