DEPARTMENT OF THE NAVY
SBIR/STTR
TRANSITIONS
2020 SPRING

FROM THE DIRECTOR

Bob Smith, Director DON SBIR/STTR

After many years with the program, I still find myself surprised by the ingenuity, speed, agility and dedication…of the whole team!

Those strengths were fully evident just days after I completed this column when we all had our lives abruptly altered by COVID-19. In the few short weeks since then the DoN SBIR team has gone into overdrive to do our best in support of the Defense Industrial Base (DIB). We accelerated the issuance of options and contracts. We increased the number of 19.3 Phase II awards, we increased the number of 20.1 Phase I awards, and have issued an out-of-cycle BAA solicitation in under two weeks! Our goal is to award over $250M within the next 90 days. Together we will prevail over COVID-19!

Government, industry and academia, along with our small business partners, are the building blocks of our successful program. When we collectively work together, we find ways to overcome obstacles, speed development and deliver capability to our warfighters.

Over the last 18 months we have taken the charge from leadership to get even more from the program—to deliver with impact through simplification of the process, increasing the aperture for new partners, moving faster to award while using innovative contracting vehicles and paying sooner. We hope to continue to be the partner of choice for American small businesses who have the solutions we seek for our warfighters.

This issue of Transitions is focused on one element of our reengineered program, the SBIR/STTR Transition Program (STP) and its Forum for SBIR/STTR Transition (Navy FST).

Navy FST is expanding its boundaries

We're continuing to expand the boundaries of the Forum for SBIR/STTR Transition (Navy FST) to different venues and groups that support Navy technology, and it's been pretty exciting.

We've provided more chances for our STP companies to get that exposure and make connections and find alignment with potential partners and customers, and that includes defense and commercial customers.

We presented our STP-participating companies at the Naval Submarine League's annual symposium last November, and the Consumer Electronics Show in January in Las Vegas. Naval Sea Systems Command hosted a Navy FST at the Washington Navy Yard in January. We were at the West2020 co-sponsored by AFCEA International and the

U.S. Naval Institute, in San Diego in March. We will also be at the Gold Coast Small Business Procurement Event in the summer, hosted by the San Diego Chapter of the National Defense Industrial Association (NDIA).

Small business outreach

The Department of the Navy Office of Small Business Programs participates in a number of small business events throughout the year, and we also join them to share the news about SBIR opportunities for entrepreneurs and small companies. These events are especially helpful because we're all trying to find better and best ways to reach underrepresented communities, such as woman-, veteran- or minority-owned companies. They don't know that we're a good partner, so it's our job to reach out and introduce ourselves and help them appreciate how the program can help them succeed. Together we can provide innovative solutions that help our warfighters. We are not customers, we are collaborative partners, and that's a stronger relationship than typical buyers and sellers. That's important to all of us. Today's SBIR company is tomorrow's second and third tier supplier. A generation from now they're going to be our new primes.

Navy Technology Accelerator

We're in the midst of our Navy Technology Accelerator, consisting of three topic areas:

- Machine Learning (ML) and Artificial Intelligence (AI) to Develop Capabilities and Impact Mission Success;
- Unmanned Surface Vehicle (USV) and Unmanned Underwater Vehicle (UUV) Autonomous Behavior Development; and
- Advanced Technologies (including AR/VR) for Manpower, Personnel, Training, and Education.

We spent months of prior planning working with the systems commands and leaning out the process. We had 347 submissions for the three topics, and within 28 calendar days we had made selections and awarded 79 Phase I contracts, totaling about $18 million. I couldn't be prouder of the team. We developed an eco-system that really excels. Those companies are now working feverishly to prepare to present their technology at our demonstration day. We have source selection teams for each of the three topic areas—they will be familiar with each Phase I. At the conclusion of the presentations, the companies will be notified if they've been selected for Phase II, and they will then go down the hall and get their contract on the spot.

But there's more. We will convene a group of acquisition program managers from all of the services, and industry and venture capital representatives on the second day. Each of the companies, whether they were selected for Phase II or not, will be able to stand up and pitch the technology, and maybe find a partner, customer or investor. After all, it's all about finding the right fit and customer match.

Based on the pilot, we've already made significant changes in the DON's SBIR/STTR program. We've changed the proposal length to 10 pages. And talk about streamlining things, you can now bill within the first 15 days.

As we reach out to small businesses, we also realize our program's success is due to our strong connection to and alignment with acquisition, and we are not changing that focus. Our efforts are delivering ways to move faster, make the process simpler, and deliver more impactful solutions. Our goal will always be to provide the best technology to our warfighter as quickly as possible while also being a dependable partner for our small business teammates.

Sincerely,

Robert L. Smith
Director DON SBIR/STTR

STP COMPANIES SHOWCASE THEIR TECHNOLOGIES AT THE CONSUMER ELECTRONICS SHOW

By Edward Lundquist, Navy STP Staff Writer

Two small companies that participate in the Navy SBIR/STTR Transition Program (STP) were selected to exhibit their technologies at the Consumer Electronics Show (CES) in Las Vegas in January.

SubUAS LLC of Bridgewater, N.J., and Propel LLC of Pawtucket, R.I., were two of the 13 SBIR-funded companies that were hosted within the U.S. government pavilion, sponsored by the National Science Foundation, U.S. Patent and Trademark Office and the Small Business Administration. The Navy SBIR program was represented, and helped fund the two Navy STP companies' participation.

CES showcases more than 4,400 exhibiting companies, including manufacturers, developers and suppliers of consumer technology hardware, content, technology delivery systems and more; a conference program with more than 250 conference sessions, and more than 170,000 attendees from 160 countries.

Propel was invited to showcase its smart integrated electrically-enabled textiles.

"We were able to show our textiles and explain our smart garment technology to a lot of consumer-facing companies in different market spaces on how our technology can monitor sleep, health or physical performance. Our electrically-enabled three-dimensional yarn can work with exoskeletons, or monitor human performance, brain activity and vital signs. We talked with automotive companies about car seats that will sense what's going on with the human in the car," said Clare King, Propel's president. "Several defense related companies came by to talk to us, and there are some serious opportunities as a result of our presence at CES. We met with DoD customers that we wouldn't have connected with if we weren't at this show. For example, we met with a large prime who saw us first at the Department of the Navy Forum for SBIR/STTR Transition. Now we're talking to the right person in the company who needs our technology."

Secretary of Commerce Wilbur L. Ross (left) and Francisco Diez CEO, of SubUAS, discuss SubUAS Navy innovative technology at CES 2020.

> ***"It was a one-time good deal. But we will go back at our own expense next year. That's how valuable it was."***
>
> Clare King
> President, Propel LLC

King said the invitation was short-notice. "This came up at the last minute, and we had to scramble to reschedule things. But we've got appointments set up as a result. The lesson here is that if you get an opportunity like this, you have to seize it."

Javier Diez, SubUAS CEO, said he had expected CES to be commercially focused. "I had expected most of the attendees would be representatives of companies selling to the consumer market, but there was a much broader audience. There were a lot of federal, state and local agencies there. To me, the biggest surprise was how many people from DoD stopped to talk with us."

Department of Navy SBIR/STTR Director Bob Smith (right) and Propel CEO Clare King at CES 2020

"We were the only company in the pavilion doing drones," said Diez. "Because our drone can fly in the air as well as underwater, we had a water tank that we used for demonstrations."

Diez said many people were unfamiliar with SBIR, and he was able to explain to them how it works, and how they can access the technology developed by these small businesses. "We met engineers from other companies, and we learned a lot from them. They asked us questions and offered us their opinions. The dialog gave us some new perspectives."

Both King and Diez were impressed with both the quantity and quality of the people who came into the pavilion and stopped to chat with them at their stand.

"I spent a long time talking with the secretary of commerce about our company and our technology," Diez said. "We made connections that we will follow up on, such as a couple of companies that may be able to do some manufacturing for us. We spent time talking with very senior people representing some of the biggest companies who have offered to collaborate with us. Was it worth being there? Absolutely. I would do it again."

"It was a one-time good deal. But we will go back at our own expense next year," said King. "That's how valuable it was."

These small companies are continuing to take advantage of opportunities to transition and commercialize technologies developed as part of Navy SBIR program. Large trade shows can offer great opportunities for small businesses to meet many decision makers in defense and government programs and large primes all in one place. SBIRs are meant to support research on projects that will be commercially viable and Propel and SubUAS are making good on that intention.

FOR SENVOL, STTR HAS BEEN GAME-CHANGING

By Edward Lundquist, Navy STP Staff Writer

Zach Simkin, president of New York City-based Senvol LLC, wasn't very familiar with the SBIR program until he was introduced to an Office of Naval Research (ONR) STTR topic on additive manufacturing (AM) and 3-D printing. "We submitted a Phase I proposal, which was selected. Then, from the three firms competing from the Phase I we were selected for Phase II. That Phase II Base was a two-year program, and while that was going on, we got two more Phase Is—one with Defense Logistics Agency and one with National Institute of Standards and Technology. That allowed us to develop some additional ancillary capabilities that tie in well with our original effort for ONR."

Simkin said his company, which provides various data-related products for the additive manufacturing and 3-D printing industry, had ideas about growing the business, but the SBIR investment was "game changing."

Senvol President Zach Simkin (right) with John O'Brien, a graduate assistant at Penn State University. Penn State served as Senvol's research institution partner on its Phase II ONR STTR.

Senvol uses data to help companies implement AM. Different materials, processes and machines can lead to different outcomes to a designed part. “The topic was a natural extension of our capabilities,” said Simkin. “It gave us the funding to develop an entirely new product.”

AM helps fabricate needed parts that are no longer in production and time consuming to procure due to increased restart costs and low volume requirements—possibly allowing for intermediate production with AM. When a part is fabricated by AM, the material properties of that part—how strong, how flexible—are very much dependent on the settings selected on the AM machine. For each machine there are dozens and dozens of settings, and for each setting there are many options. Choosing the right settings, which are called process parameters, can be a trial-and-error process. Senvol's machine learning software, called Senvol ML, ties the processes that produce parts to their material properties to ensure the design of the right material for an application. Senvol’s software generates AM data to qualify additively manufactured parts more efficiently than current methods.

“The real challenge is the machine-to-machine variability, which exists in all manufacturing, but is a particular problem in AM,” Simkin said. “Even two machines of the exact same make and model could produce different results, so our software helps test and tune the machines.”

“The software has a capability called data collection protocol that intelligently recommends what experiments to generate when you’re starting from scratch to achieve the level of statistical confidence that you’re comfortable with. By using our machine learning software, you will have an understanding of how changing certain process parameters will impact certain types of results,” he said.

Senvol’s technologies help users select the right process parameters the first time, to achieve the desired outcome.

Simkin said the Senvol technology is an enabler for additive manufacturing, and not program specific. “It is a double-edged sword because it can help many programs, but there isn’t a single program that can uniquely benefit from it, which can make securing development funds a challenge.”

During Phase II, Senvol made its technology available in an alpha program, where select organizations were given access to the software’s capabilities to accelerate transition. Alpha participants included end users, AM machine manufacturers and AM material suppliers in the defense, automotive, aerospace and medical industries.

Starting in November 2019, Senvol’s technology became commercially available, coinciding with the conclusion of its ONR STTR Phase II Base. Since then, Senvol has already secured multiple transition agreements, including one with AFRL.

“We’re now a sub to the University of Dayton

Research Institute on contract to AFRL, thanks in part to our ONR TPOC, Dr. Jennifer Wolk, and her efforts in keeping the other services abreast of our progress," Simkin said.

Wolk said the STTR process has really enabled small business innovation with key collaborations with research institutions. "Senvol provides a different approach from conventional physics-based modeling and their academic partnership strengthened the company's ability to quickly develop the software. The STTR process quickly enabled deployment and use of the software to rapidly develop process parameter windows to support warfighter sustainment with AM."

Simkin said Senvol's participation in the SBIR/STTR Transition Program has been "Incredible."

"I have no DoD background or experience, but our business consultant, Paul Essig, has been terrific. He knows this stuff like the back of his hand," Simkin said. "He knows the systems commands, the programs, and which events are good for us to attend."

The company will also be represented at the Navy FST at the AIAA Aviation Forum virtual event in June.

"Senvol is an excellent example of how a company used SBIR investment resources, including the STP, to advance its technology and grow as a business," said Essig. "In addition to developing a great technology, Simkin and his team have been aggressive in developing contacts and marketing their capabilities, which has led to additional funding opportunities. By transitioning this technology, the Navy will realize increased mission capability rates due to the decreased cost and time to qualify additively manufactured parts."

"Our vision for the company is to continue to grow," Simkin said. "Last year was our best year yet."

NAVSEA HOSTS TRANSITIONING TECHNOLOGY EVENT

By Tara M. Clapper

Naval Sea System Commands hosted the Department of the Navy Forum for SBIR/STTR Transition (Navy FST) at Washington Navy Yard Jan. 29, providing commercialization and transition assistance to SBIR/STTR small businesses. NAVSEA is the first of the Systems Command to co-host the Navy FST, the Forum, which provides commercialization and transition to SBIR/STTR businesses.

The Forum featured 20 small business concerns (SBCs) showcasing 23 Navy SBIR/STTR technologies. SBCs gave tech talks, and the Navy FST facilitated SBC interactions with government and prime contacts who are interested in their Phase II technologies for transition.

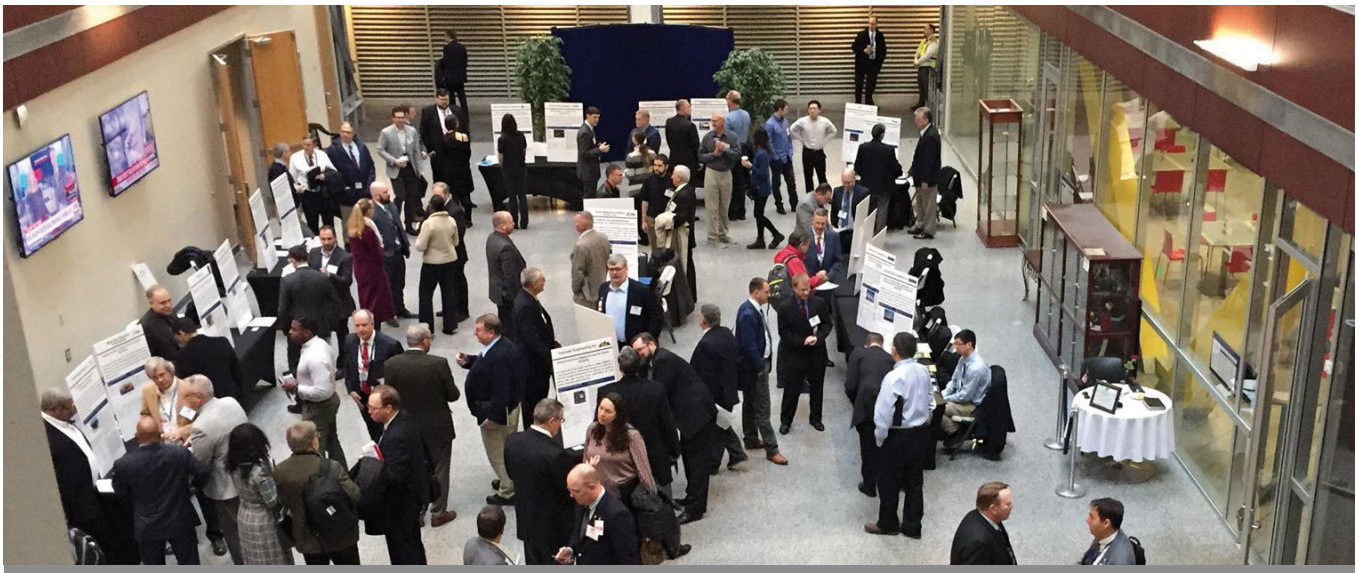
7 Hours = 23 Tech Talks, 139 SBC to Government / Prime Interactions

The day began with opening remarks from NAVSEA SBIR/STTR Program Manager Dean Putnam, DoN SBIR/STTR Director Bob Smith, and Deputy Commander for Ship Design, Integration and Engineering Rear Adm. Lorin Selby.

"There's a program office that needs your technology," Smith said, adding that the Navy has recently improved in turnaround time. "We figured out a way to do it in 23 calendar days. We used a different contracting vehicle. We want you to be a strong partner with us. We've simplified the process."

Expediency is important because of NAVSEA's focus on delivery of ships and equipment on time, and because improving technology at an accelerated pace can help save lives.

"The SBIR/STTR program has been re-engineered for faster technology development. The opened aperture inserts emerging technology into programs earlier and provides life-saving equipment to the warfighter faster," said Putnam.



Small businesses, Navy FST business consultants, and prime and government parties discuss transitioning innovative technology at the Jan. 2020 Navy FST event at NAVSEA, Washington Navy Yard, DC.

Selby further expanded on Smith's point regarding the speed of developing technology for the fleet, detailing specific transition goals and expanding upon what small businesses provide to the Navy customer.

"Historically, military and civilian technology have complemented one another, and this partnership to make our military more combat-effective continues to be strong," he said, adding that emerging technologies like artificial intelligence, unmanned systems, and data analytics are all critical to accomplishing America's strategic objectives.

In great power competition, data and technology will have a more pronounced role in U.S. Naval operations, Selby said. One way to achieve technological superiority with a sense of urgency is by building a relationship between the DoN and small businesses that can help it accomplish its goals.

One of Selby's goals is to reduce the technology testing and development phases' timelines. Although this might seem lofty, the admiral added that being open to outside perspectives will allow the DoN to innovate, thus helping to meet NAVSEA's goal of delivering ships on time and expanding warfighting capabilities.

The program was also attended and supported by DoN STTR Program Manager Steve Sullivan and a team of business consultants from the Navy FST, facilitating connections between small businesses and government interests. Immediately after the opening remarks, the Navy FST Tech Talks started with 23 presentations covering several technology categories, including: Ground and Sea Platforms, Structure and Protection, Maintainability / Sustainability, Survivability, Corrosion, Energy / Power, Sensors, and Energy Storage. A total of 343 government and prime contacts attended the 23 Tech Talk 10-minute presentations. In the second part of the Navy FST, the SBCs, government (NAVSEA, NAVAIR, ONR and DHS), and primes (HII, LMCO, Raytheon, and SAFRAN) participated in "Meet the Expert" to facilitate interactions. The Meet the Expert component resulted in 139 interactions discussing potential transition opportunities.

The Navy FST at NAVSEA was a great success, getting information from Navy leadership to SBCs, and facilitating connections between small business innovators and the businesses and government offices that need them.

NAVY FST AT WEST 2020

By Jennifer Reisch, Navy STP Staff Writer

The Navy Forum for SBIR/STTR Transition (Navy FST) showcased 24 innovative Navy SBIR/STTR projects at the WEST 2020 naval conference and exposition, co-sponsored by AFCEA International and USNI, which brought military and industry leaders together in San Diego 2-3 March 2020.

About 8,000 people attended the event and had the opportunity to visit more than 400 industry exhibits. WEST 2020 content and discussions provided professional development and learning opportunities and addressed the critical role the U.S. Navy plays in the defense of our nation.

Small businesses delivered 24 Tech Talk presentations about their projects and met with representatives of both government (NAVSEA, NAVAIR, ONR, MCSC and NAVWAR) and primes (General Dynamics, Boeing, Northrop Grumman, Raytheon, Lockheed Martin, L3Harris and Huntington Ingalls Industries) at the Navy FST booth at "Meet the Expert." The Navy-funded SBIR/STTR technologies covered a broad spectrum of applications including: high-powered microwave and directed energy systems; advanced materials and 3D printing; and innovative devices and software for improved performance; RF and optical communications—from novel antenna technology to optical networks; and sensors, target recognition, and training systems.

"This Navy FST event brought our companies and their technologies face to face with potential partners and customers, so they could share how their Navy-funded developments can meet the current and emerging technology needs of our warfighters," said Department of the Navy STTR and STP Program Manager Steve Sullivan.

FST Team at West 2020: (left to right) Robin Dove, Kyle Mullen, Ian Roth, Chris Willisson, Joe Elder, Christine McCorkle and Paul Cole. Not pictured: Tara Clapper and Jim Ledford.

Phase III Listing

Phase III SYSCOM	Topic Number	Firm	Ph III Contract	Amount	Ph II Award SYSCOM
MCSC	N142-087	TDA RESEARCH, INC.	M6785419C5139	$610,116.01	MARCOR
	N162-078	NAVATEK LLC	M6785419C6700	$2,926,983.00	MARCOR
	N161-017	NEXTGEN AERONAUTICS, INC.	M6785419C6702	$2,862,466.00	NAVAIR
	N162-081	TRITON SYSTEMS	M6785419C6703	$2,950,000.00	MARCOR
MCSC Count			**4**		
MCSC Total				**$9,349,565.01**	
NAVAIR	N02-152	ADAPTIVE METHODS, INC.	N6833515G0018	$1,795,000.00	NAVAIR
	N03-074	ADVANCED ACOUSTIC CONCEPTS, LLC	N6134016C0004	$577,874.76	NAVSEA
	N093-164	AEROSPACE MASS PROPERTIES ANALYSIS INC	N6833518C0180	$2,986,254.18	NAVAIR
	N00-123	AMERICAN SYSTEMS CORPORATION	N6833514G0057	$6,491,228.29	NAVSEA
	N08-T004	APTIMA, INC.	N6134018C0020	$1,702,451.00	NAVAIR
	N091-037	ARCHITECTURE TECHNOLOGY CORPORATION	N6833516C0255	$77,788.00	NAVAIR
	N141-014	AREA I, INC.	N6833518C0004	$503,410.00	NAVAIR
	N06-002	ARETE ASSOCIATES	N6833515G0016	$700,000.00	NAVAIR
	N092-148	ATHENA GTX, INC.	N6833516C0085	$929,216.00	ONR
	N041-081	C3I, INC	N6833519F0105	$671,767.01	NAVSEA
	N151-021	CHESAPEAKE TECHNOLOGY INTERNATIONAL, CORP.	N6893618G0006	$510,000.00	NAVAIR
	N162-119	DIVERSIFIED TECHNOLOGIES, INC.	N6833518C0156	$350,000.00	ONR
	N142-101	FIRST RF CORPORATION	N6833519C0127	$2,997,544.00	NAVAIR
	MDA09-021	FRONTIER TECHNOLOGY INC.	N6833517G0025	$6,075,374.40	NAVAIR
	N132-096	FRONTIER TECHNOLOGY INC.	N6833518F0149	$12,884,152.00	NAVAIR
	OSD08-CR3, OSD08-T003	FRONTIER TECHNOLOGY INC.	N6833517G0024	$1,827,989.00	NAVAIR
	N04-174	GBL SYSTEMS CORPORATION	N6833515G0026	$4,592,252.33	NAVAIR
	N102-182	HYDRONALIX, INC.	N6833514G0039	$2,718,433.72	NAVAIR
	N07-034	INNOVATIVE DEFENSE TECHNOLOGIES, LLC	N6833515G0039	$1,446,620.57	NAVAIR
	N06-103	INNOVITAL SYSTEMS, INC.	N6833519C0124	$1,055,086.00	MARCOR
	N03-138	INSITU, INC.	N6833516G0046	$27,800,696.15	ONR
	N06-123	LAMBDA SCIENCE, INC.	N6833515G0033	$1,186,310.00	NAVAIR
	N02-139	LOCKHEED MARTIN ACULIGHT CORPORATION	N6893619F0427	$364,805.00	NAVSEA
	SB072-019	LOGOS TECHNOLOGIES LLC	N6833519F0378	$6,685,263.32	NAVAIR
	N06-036	MERCURY DEFENSE SYSTEMS, INC.	N6833517G0017	$41,394,098.46	NAVAIR
	N06-036	MONTEREY TECHNOLOGIES, INC.	N6833518G0034	$1,112,848.00	NAVAIR
	N08-008	NAVMAR APPLIED SCIENCES CORPORATION	N6833515G0013	$4,186,619.50	NAVAIR
	N06-125	NORTH STAR SCIENTIFIC CORPORATION	N6833518C0021	$2,805,879.00	SPAWAR
	N06-T007	P C KRAUSE AND ASSOCIATES INC	N6833519C0088	$1,470,662.38	NAVAIR
	N152-096	PHYSICAL OPTICS CORPORATION	N6833517G0032	$10,100,000.00	NAVAIR
	N96-278	PROGENY SYSTEMS CORPORATION	N6833519F0415	$914,812.09	NAVAIR
	N121-045	PROGENY SYSTEMS CORPORATION	N6833519F0129	$773,126.00	NAVAIR
	N131-017	RAM PHOTONICS LLC	N6893618G0005	$1,880,000.00	NAVAIR

Phase III SYSCOM	Topic Number	Firm	Ph III Contract	Amount	Ph II Award SYSCOM
NAVAIR	N98-035	RDA INC.	N6833514G0003	$6,668,826.04	NAVAIR
	N07-005	RESEARCH AND ENGINEERING DEVELOPMENT LLC	N6833516C0083	$229,440.57	MARCOR
	N112-127	SCIENTIFIC SYSTEMS COMPANY INC.	N6833515G0030	$645,635.20	NAVAIR
	N121-044	SENSORMETRIX, INC	N6833517C0260	$1,177,918.00	NAVAIR
	N101-005	SIGNAL SYSTEMS CORPORATION	N6833515G0032	$2,328,519.00	NAVAIR
	N08-006,	TECHNICAL DATA ANALYSIS, INC.	N6833516G0009	$422,958.07	NAVAIR
	N091-008	TOYON RESEARCH CORPORATION	N6833519F0084	$4,613,323.00	NAVAIR
	N111-016 AF01-106, OSD06-IA4, SOCOM03-004	TRIDENT SYSTEMS INCORPORATED	N6833514C0216	$265,000.00	NAVAIR
	N02-079	TRIVERUS, LLC	N0001919C0064	$1,083,290.43	ONR
	N91-165	VISTA RESEARCH, INC.	N6833514C0353	$30,720.00	NAVAIR
	N151-052	VRC METAL SYSTEMS, LLC	N6833519F0583	$406,198.02	NAVAIR
	N122-148	W5 TECHNOLOGIES INC	N6833519C0294	$1,090,000.00	SPAWAR
	N01-139	ZIVKO AERONAUTICS, INC.	N0042115C0051	$2,184,608.24	ONR
	N00-008	CORNERTURN LLC	N6833519C0126	$1,329,294.00	NAVAIR
	N04-255	CREARE LLC	N6833519C0123	$2,938,857.00	NAVAIR
NAVAIR Count			**48**		
NAVAIR Total				**$176,982,148.73**	
NAVSEA	N04-138	3 PHOENIX, INC.	N0002413C6264	$8,522,079.59	ONR
	N07-070, N06-138	3 PHOENIX, INC.	N0002411C6287	$1,063,901.00	ONR, NAVSEA
	N04-138	3 PHOENIX, INC.	N6339416C0016	$307,867.00	ONR
	N01-127, N03-146, N99-224	ADAPTIVE METHODS, INC.	N0002415C5252	$4,961,001.00	NAVSEA
	N06-109, N05-044, N05-043	ADAPTIVE METHODS, INC.	N0002415C5220	$4,799,000.00	NAVSEA
	N04-065	ADVANCED ACOUSTIC CONCEPTS LLC	N0002412C6311	$4,453,199.34	NAVSEA
	N05-149	ADVANCED SYSTEMS/SUPPORTABILITY ENGINEERING TECHNOLOGIES AND TOOLS, INC.	N0002416C6421	$4,803,151.53	NAVSEA
	N112-142	SEEMANN COMPOSITES, LLC	N0016719D0002	$31,356,837.63	NAVSEA
	N08-111	APTIMA, INC.	N0017818D9003	$200,000.00	ONR
	N06-013	ARETE ASSOCIATES	N6133118D0012	$20,059,076.48	NAVSEA
	N96-150	ARETE ASSOCIATES	N6133111C0007	$2,655,064.14	NAVSEA
	N122-141	ARETE ASSOCIATES	N0002415C4051	$355,000.00	ONR
	N02-042	3E TECHNOLOGIES INTERNATIONAL, INC.	N0017416C0046	$12,098,979.45	NAVSEA
	N04-065	ADVANCED ACOUSTIC CONCEPTS, LLC	N0002419C6311	$7,128,942.46	NAVSEA
	N01-150	CONSULTING NETWORK, INC., THE	N0002419C5228	$1,470,000.00	NAVSEA
	N131-042	FORWARD PHOTONICS LLC	N0002419C4004	$2,999,993.00	NAVSEA
	N07-010	FRONTIER TECHNOLOGY INC.	N6339417D0003	$7,072,389.83	NAVSEA
	N05-039	FRONTIER TECHNOLOGY INC.	N0017419D0006	$10,000.00	NAVSEA
	N05-163	INNOVATIVE DEFENSE TECHNOLOGIES, LLC	N0002417G4115	$13,163,074.29	ONR
	N112-142	MATERIALS SCIENCES LLC	N6133119C0002	$1,065,349.00	NAVSEA

Phase III SYSCOM	Topic Number	Firm	Ph III Contract	Amount	Ph II Award SYSCOM
NAVSEA	N121-066	KARAGOZIAN & CASE	N0002419C4005	$1,839,478.00	NAVSEA
	N95-209, N05-147, N03-117, N91-130	L-3 CHESAPEAKE SCIENCES CORPORATION	N6660416D0845	$2,722,813.60	NAVSEA
	N05-125	L-3 CHESAPEAKE SCIENCES CORPORATION	N0002415C6275	$346,736.00	NAVSEA
	N05-054	MATERIALS SCIENCES CORPORATION	N6554015D0011	$311,271.00	NAVSEA
	N151-055	METRON, INCORPORATED	N0002419C4006	$2,835,174.00	NAVSEA
	N04-073	MIDE TECHNOLOGY CORPORATION	N6449816P5041	$18,596.12	NAVSEA
	N02-039	MIKROS SYSTEMS CORPORATION	N0016417DWP00	$1,524,859.68	NAVSEA
	N02-039	MIKROS SYSTEMS CORPORATION	N6339416D0018	$900,000.00	NAVSEA
	A03-070	MONTEREY TECHNOLOGIES, INC.	N0002417C5244	$402,901.00	NAVAIR
	N04-051	NEXGEN COMPOSITES, LLC	N6133116C0008	$1,363,738.57	NAVSEA
	N132-109	PHYSICAL OPTICS CORPORATION	N0002419C4007	$2,993,841.00	NAVSEA
	N161-017	SEEMANN COMPOSITES, LLC	N6133119C0004	$293,968.00	NAVSEA
	N151-036	PROGENY SYSTEMS CORPORATION	N0002419C6201	$19,926,669.00	NAVSEA
	N00-049, N96-274, N96-278, N98-122	PROGENY SYSTEMS CORPORATION	N0002414C6220	$15,231,819.00	NAVSEA
	N96-278	PROGENY SYSTEMS CORPORATION	N0002418C6410	$10,731,597.00	NAVSEA
	N96-278	PROGENY SYSTEMS CORPORATION	N0002418C6265	$9,853,920.00	NAVSEA
	N96-278	PROGENY SYSTEMS CORPORATION	N0002414C5209	$4,645,214.79	NAVSEA
	N00-049	PROGENY SYSTEMS CORPORATION	N0002419C6267	$5,520,196.00	NAVSEA
	N98-115	PROGENY SYSTEMS CORPORATION	N0002419C6115	$3,579,127.88	NAVSEA
	N02-024	PROGENY SYSTEMS CORPORATION	N0002419C6118	$2,944,614.00	NAVSEA
	N98-115	PROGENY SYSTEMS CORPORATION	N0002415C4050	$1,406,915.00	NAVSEA
	N98-115	PROGENY SYSTEMS CORPORATION	N0002416C4021	$510,401.00	NAVSEA
	N00-049	PROGENY SYSTEMS CORPORATION	N0002419C4009	$2,964,742.00	NAVSEA
	N03-048	PROGENY SYSTEMS CORPORATION	N0002413C6283	$244,356.00	NAVSEA
	N05-149	RITE-SOLUTIONS, INC.	N0002416C6422	$1,076,797.00	NAVSEA
	N131-054	ROBOTIC RESEARCH LLC	N0002419C4001	$2,103,203.00	NAVSEA
	N05-059	SEDNA DIGITAL SOLUTIONS, LLC	N0002418C6264	$7,162,856.00	NAVSEA
	SOCOM96-002	SEEMANN COMPOSITES INC	N6554015D0015	$1,327,872.48	NAVSEA
	N05-053	SIMVENTIONS, INC.	N0017815D3001	$1,504,482.00	NAVSEA
	N95-208	SYSTEMS ENGINEERING ASSOCIATES CORPORATION	N6660411D0558	$200,000.00	NAVSEA
	N021-0084	TELEDYNE INSTRUMENTS, INC.	N0025319D0005	$5,352,061.00	ONR
NAVSEA Count NAVSEA Total			**51**	**$240,385,125.86**	
NAVWAR	N191-130	L-3 CHESAPEAKE SCIENCES CORPORATION	N0003918C0024	$2,687,971.00	NAVSEA
	N99-171	MAKAI OCEAN ENGINEERING, INC.	N0003918C0016	$650,000.00	SPAWAR
	N02-207/1	SCIENTIFIC SOLUTIONS, INC.	N0003919C0062	$430,000.00	ONR
	A04-132	SCALABLE NETWORK TECHNOLOGIES, INC.	N6600117D5201	$1,090,004.17	SPAWAR
	N02-207/1	SCIENTIFIC SOLUTIONS, INC.	N0003914C0024	$114,300.00	ONR

PHASE III LISTING ... CONTINUED

Phase III SYSCOM	Topic Number	Firm	Ph III Contract	Amount	Ph II Award SYSCOM
NAVWAR	N02-146	ADAPTIVE METHODS, INC.	N0003917C0043	$3,050,875.00	SPAWAR
	N05-160	BEACON INTERACTIVE SYSTEMS LLC	N0003918C0034	$650,000.00	NAVSEA
	N10A-T045	SOLUTE	N0003919D0002	$1,698,186.80	SPAWAR
	N112-170	BASCOM HUNTER TECHNOLOGIES, INC.	N0003919C0020	$4,154,034.29	SPAWAR
	N121-103	PROGENY SYSTEMS CORPORATION	N0003916D0006	$6,772,977.28	SPAWAR
	N122-148	W5 TECHNOLOGIES INC	N0003919C0015	$2,142,294.44	SPAWAR
	N122-149	HARMONIA HOLDINGS GROUP, LLC	N0003919C0008	$968,000.00	SPAWAR
	N96-273	PROGENY SYSTEMS CORPORATION	N6523616D8013	$6,310,149.97	SPAWAR
NAVWAR Count			**13**		
NAVWAR Total				**$30,718,792.95**	
ONR	N123-152	BLACKBOX BIOMETRICS, INC.	N0001418C2020	$509,922.00	MARCOR
	N08-T030	BOSTON ENGINEERING CORPORATION	N0001419C2013	$125,452.00	ONR
	N132-135	COMMONWEALTH COMPUTER RESEARCH INC	N0001416C1005	$608,145.00	ONR
	N113-181	DIVERSIFIED TECHNOLOGIES, INC.	N0001419P1001	$1,229,288.00	NAVSEA
	N131-039	LASERMOTIVE, INC.	N0001419C2006	$1,845,199.00	NAVSEA
	N07-139	H S OWEN LLC	N0001416C3067	$100,703.00	SPAWAR
	N132-135	HARMONIA HOLDINGS GROUP, LLC	N0001416C1022	$600,379.00	ONR
	N05-163	INNOVATIVE DEFENSE TECHNOLOGIES, LLC	N0001419C1054	$18,701,964.00	ONR
	N15A-T020	INTELLIGENT AUTOMATION, INC.	N0001419C2062	$109,937.00	ONR
	N08-077	PROGENY SYSTEMS CORPORATION	N0001419C2074	$1,185,344.00	ONR
	OSD09-H26	MIMOSA ACOUSTICS INC.	N0001417C7032	$388,250.00	ONR
	N152-101	NAVATEK LLC	N0001417C2035	$1,519,471.00	NAVSEA
	N08-077	PROGENY SYSTEMS CORPORATION	N0001419F2006	$2,026,106.43	ONR
ONR Count			**13**		
ONR Total				**$28,950,160.43**	
SSP	N141-082	ATA ENGINEERING INC.	N0003019C0238	$2,998,211.00	SSP
SSP Count			**1**		
SSP Total				**$2,998,211.00**	
Grand Count			**130**		
Grand Total				**$489,384,003.98**	