



SAF/SB Media Summary

Week of 23—29 July 2010

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ARTICLE SUMMARIES

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SMALL BUSINESS

Remember The Alamo, Then Fund It

Trading Markets

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Lawmakers Hit Impasse on Small Business Bill

The Hill

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Obama Calls for Small-Business Incentives

The Wall Street Journal

President Barack Obama, speaking at a sandwich shop in New Jersey Wednesday, urged Congress to pass legislation that would provide financial incentives to small businesses and said he expects it to be passed before mid-August. "We need to keep investing in our small businesses," Mr. Obama said in brief remarks at the Tastee Sub Shop in Edison, N.J. "America has always been a place where if you've had a good idea...you can see it through and you can succeed." A bill that would extend credit to small businesses and give them tax breaks is stalled in the Senate. Mr. Obama met with Republican House and Senate leaders Tuesday to discuss, among other things, the small-business legislation.



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Examiner

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Official Promotes Opportunities for Veterans

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On his second visit to Las Vegas in two weeks, Department of Veterans Affairs Secretary Eric Shinseki used a business conference to promote a plan that he says will open prime contracting opportunities for veteran-owned businesses. Borrowing a method employed by other agencies including the Army, where Shinseki was formerly chief of staff, the VA will put the private sector in charge of overseeing a \$7 billion information technology overhaul over the next five years. Fifteen prime contracts will be opened to small businesses that are certified as owned by regular veterans or those who incurred a disability during military service, with seven specifically reserved for those two categories.

Women-Owned Businesses Losing Ground

Louisiana Weekly

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AIR FORCE LEADERSHIP

Outside-the-Beltway Perspectives Welcome

Air Force Magazine

The Air Force leadership is reaching out to all of its organizations beyond its headquarters elements in Washington D.C., to come up with the best ideas for eliminating excess overhead, says Erin Conaton, the service's undersecretary. Defense Secretary Robert Gates has tasked the Air Force, Army, and Navy each with shedding \$28.3 billion in overhead costs from Fiscal 2012-16 as part of a defense-wide effort to free up \$102 billion for personnel and modernization initiatives.



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CYBERSECURITY

Military Wrestles with Cyber War Battle Planning

Defense Systems

The new consolidated Cyber Command faces unprecedented challenges as it forges the nation's policies and capabilities for cyber war. Led by Army Gen. Keith Alexander, Cybercom also oversees offensive cyber capabilities, and that involves developing weapons and the doctrine that governs when and how those weapons can be used. When he took command of Cybercom, Alexander retained his post as director of the nation's largest intelligence agency, the National Security Agency, which is responsible for signals intelligence and information assurance. Besides resolving previous gaps and shortcomings, the creation of a command with that level of authority also recognizes the unique and important role of cyberspace.

REMOTELY PILOTED AIRCRAFT

Air Force to Brief Industry on New Satellite Communications Program for Global Hawk ISR Data

Military and Aerospace Electronics

U.S. Air Force officials will brief industry on a program to transmit high-resolution data from newly installed intelligence, surveillance, and reconnaissance (ISR) sensors on the Global Hawk high-altitude, long-endurance unmanned aerial vehicle (UAV) during an industry day on 9 Aug. in Colorado Springs, Colo. The industry day briefings concern the High Data Rate Airborne Terminal (HDRAT) program in support of a milestone A decision planned for 2011. The HDRAT will receive ISR sensor data from the Global Hawk UAV at rates as fast as 274 megabits per second.



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Small Business

Remember The Alamo, Then Fund It

Trading Markets, July 29, 2010

The Alamo stands as a symbol of defiance in a fight for independence. Thanks to lax oversight, it would also stand as a business address for a taxpayer-funded federal loan.

This came to light Wednesday afternoon as an auditor of Small Business Administration programs testified before a Congressional committee. The top Republican on the panel, Northwest Missouri Rep. Sam Graves, cited frustration with the continuing fraud found in government efforts to help small businesses.

"The SBA does not seem to take an aggressive approach to fixing the problems identified by Congress, the GAO, and the inspector general," said Mr. Graves at a hearing of the House Small Business Committee. "Instead, it spends scarce resources studying these problems."

While the Capitol Hill hearing featured SBA administrator Karen Mills, some telling testimony came from Gregory Kutz, a forensic audits and investigations manager for the Government Accountability Office.

His statement to the committee talked of bogus applications sent to the SBA's Historically Underutilized Business Zone program, known as HUBZone, from fake businesses located at the Alamo in San Antonio, a Florida storage unit and a city hall in a Texas town.

All were approved for funding.

"The SBA's failure to verify principal office locations, even through a simple Internet search, leaves the program vulnerable to firms misrepresenting their eligibility, preventing program benefits from going to intended targets," Mr. Kutz's statement said.

An additional review of records, the manager said, showed a construction company that had previously been caught misrepresenting its program eligibility getting \$600,000 in new non-competitive contracts and another \$10 million in federal stimulus contracts. Ms. Mills told the committee the SBA has worked to strengthen its certification process, its monitoring of loans and its pursuit of offenders. "An environment of integrity across all of our contracting programs is crucial," she said. "The president included more funds in SBA's proposed budget exactly for this purpose."

Mr. Graves remained skeptical.



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"If it is incapable of taking necessary corrective action, then it might be time to examine whether a complete overhaul of the SBA is needed to separate its regulatory functions from its mission to promote small businesses," he said.

http://www.tradingmarkets.com/news/stock-alert/sbcod_remember-the-alamo-then-fund-it-1073996.html

Lawmakers Hit Impasse on Small Business Bill

By Vicki Needham, The Hill, July 28, 2010

Senate Democrats and Republicans failed to reach an agreement Wednesday on a small-business lending and tax-cut measure over the number and type of amendments that each side wanted considered.

The Senate's leaders objected to each other's requests to move forward on the measure tonight. Without an agreement on amendments, there most likely aren't enough votes to end debate on the measure.

A cloture vote on the substitute amendment to the bill is planned for Thursday morning.

Senate Majority Leader Harry Reid (D-Nev.) said Republicans had initially asked for only three amendments but upped that number today on the floor.

"This is the proverbial stall of the year," Reid said.

Reid said Democrats agreed to consider three Republican amendments -- one by Sen. Orrin Hatch (Utah) one-year extension on research and development tax credits, a second by Sen. Chuck Grassley (Iowa) on the biodiesel tax credit and a third by Sen. Mike Johanns (Neb.) to nix a provision requiring any taxpayer with business income to issue 1099 forms to all vendors from whom they buy more than \$600 of goods or services in any year.

Senate Minority Leader Mitch McConnell (R-Ky.) also offered another amendment by Hatch to refer the bill to committee to prevent tax hikes, a Sen. Jeff Sessions (R-Ala.) on spending caps, a Sen. Kay Bailey Hutchison (R-Texas) on nuclear loan guarantees, a Sen. John McCain (R-Ariz.) on border security and a Sen. Jon Kyl (R-Ariz) amendment on the estate tax.

"Those amendments have nothing to do with the bill," Reid said. "Let's be serious, this is an effort to stall and not do this bill."

Senate Republicans requested four GOP amendments and four Democratic side-by-side amendments but the request was denied, according to a senior Republican aide.

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Reid said Democrats were planning to offer amendments on Medicaid funding to states, paying for a \$3.4 billion settlement in an Indian trust case that has been ongoing in a Washington court for more than 10 years, education funding for teachers, the larger tax extenders bill that hasn't been able to pass the Senate and a side-by-side to the Johanns amendment.

"Both sides are piling on here," McConnell said.

While the bill had broad bipartisan support it now has "substantial opposition" and "we have to figure out how to get the bill passed in a form agreeable to the Senate," McConnell said.

Senate Small Business Chairman Mary Landrieu (D-La.) said passage of an amendment to add a \$30 lending fund to the bill showed there is enough support for the measure.

"We got 60 votes so, like, we won," she said.

Both sides agreed to continue talks on the bill in an effort to reach an agreement before the Senate leaves at the end of next week for the August recess.

<http://thehill.com/blogs/on-the-money/banking-financial-institutions/111525-lawmakers-hit-impasse-on-small-business-bill->

Obama Calls for Small-Business Incentives

By Jared A. Favole, The Wall Street Journal, July 28, 2010

President Barack Obama, speaking at a sandwich shop in New Jersey Wednesday, urged Congress to pass legislation that would provide financial incentives to small businesses and said he expects it to be passed before mid-August.

"We need to keep investing in our small businesses," Mr. Obama said in brief remarks at the Tastee Sub Shop in Edison, N.J. "America has always been a place where if you've had a good idea...you can see it through and you can succeed."

Mr. Obama was in New Jersey to show his administration's support for the country's small businesses, which he frequently refers to as being the backbone of the American economy. He also planned to attend two Democratic fund-raising events in New York City.



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A bill that would extend credit to small businesses and give them tax breaks is stalled in the Senate. Mr. Obama met with Republican House and Senate leaders Tuesday to discuss, among other things, the small-business legislation.

The president said he told the lawmakers that Republicans in the past have supported providing financial incentives for small businesses. He urged them to support such measures again and said he expects the legislation to pass before Congress breaks for vacation at the end of next week.

http://online.wsj.com/article/SB10001424052748703940904575395501767483156.html?mod=googlenews_wsj

VA Promises Opportunities for Small Business Under its T4 Procurement

By Lenworth Henry, Examiner, July 23, 2010

The Secretary of the Veteran's Administration Eric Shinseki has announced that specific focus of the Transformation Twenty-One Total Technology (T4) will be to provide opportunities to small business particularly Veteran owned business.

In a speech at the 6th Annual National Veterans Small Business Conference & Expo in Las Vegas this past Tuesday, the Secretary revealed that:

- Of 15 prime contracts, four will be reserved for service-disabled Veteran-owned small business and at least three will be reserved for Veteran-owned small business.
- The large firms selected must meet a requirement for 35% subcontracted to small business.
- Evaluation credit will be given to big firms based on them teaming with small business.
- Task orders will be set aside to ensure that small business that are promised work by large firms will actually receive the work.

T4 is a \$12 billion dollar initiative for acquiring IT and telecommunications assets and services. Everything from desktop computers to software development is included.

<http://www.examiner.com/x-56644-DC-Technology-Research-Examiner~y2010m7d23-VA-promises-opportunities-for-small-business-under-its-T4-procurement>

SAF/SB internal document—not for public release.



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Official Promotes Opportunities for Veterans

By Tim O'Reiley, Las Vegas Business Press, July 26, 2010

On his second visit to Las Vegas in two weeks, Department of Veterans Affairs Secretary Eric Shinseki used a business conference to promote a plan that he says will open prime contracting opportunities for veteran-owned businesses.

Borrowing a method employed by other agencies including the Army, where Shinseki was formerly chief of staff, the VA will put the private sector in charge of overseeing a \$7 billion information technology overhaul over the next five years. Fifteen prime contracts will be opened to small businesses that are certified as owned by regular veterans or those who incurred a disability during military service, with seven specifically reserved for those two categories.

Including \$5 billion in work from elsewhere in the federal bureaucracy that uses the VA to meet veteran-owned small-business contracting quotas, Shinseki estimated the annual amount would total from \$80 million to \$1 billion.

"Hire veterans, team with veterans, think big, think like prime (contractors)s but obey the rules, and I'll work with you to build your business," Shinseki told the National Veterans Small Business Conference on Tuesday. Later, he added, "We have given you the opportunity, but we can't seize the initiative for you. You have to figure this out."

Already, the VA has extensive targets for getting contracts to veteran-owned small businesses. Shinseki did not quantify how much more work would be available under the new information technology contracting system, called Transformation Twenty-One Total Technology, than has been available in the past. But until now, he said, "They (small businesses) weren't getting the contracts."

A technicality could make a difference. If a contract is tagged as a set-aside, the contract winner must perform at least half of the work. This largely eliminates small businesses from consideration as prime contractors. The new approach eliminates that minimum threshold.

The plan was developed over several months and previewed to more than 300 potential bidders in June. Formal bid packages were to start going out July 26.

According to a May report by the Government Accountability Office, the program for allocating contracts to veteran-owned businesses had developed major shortcomings.



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The VA exceeded its goals set for contracts as set forth in a 2006 law, according to the report. During the year ended Sept. 30, 2007, 10.4 percent of contract dollars had gone to veteran-owned businesses compared with a goal of 7.5 percent. The numbers had grown to 19.7 percent of dollars versus a 10 percent goal last year.

However, the GAO also found numerous shortcomings in the program's execution, notably with how thoroughly veteran qualifications were reviewed and enforced.

"The agency has been slow to implement a comprehensive program to verify the veteran status, ownership and control of small businesses and maintain a database of such businesses, also required by the 2006 act," the report concluded.

A random audit of 112 files of businesses that the VA certified as meeting veteran-owned status found that nearly half of them did not include the documentation to back it up. As of April, the VA conducted field visits of 71 companies and found that 40 percent of them could not back up their veteran-owned status, yet none of them have been dropped from the program.

More than 650 companies have been pinpointed as probably not meriting veteran-owned status and the GAO expects that number to grow.

Shinseki pointed to the arrest earlier this year of a New York contractor who obtained contracts by falsifying veteran status as a sign that the department was moving to address the shortcomings.

"VA is finally baring its teeth on this issue and taking steps to discipline both the process and the actors who stray from the rules," he said.

Also, the VA has filled some senior management positions that sat empty for a year or more and stepped up field audits, although at a pace that the GAO concluded would not decrease the backlog.

New enforcement powers will also help ensure only veterans win work, Shinseki said.

http://www.lvbusinesspress.com/articles/2010/07/28/news/iq_37045952.txt

Women-Owned Businesses Losing Ground

Louisiana Weekly, July 26, 2010

The U.S. Women's Chamber of Commerce released an important report to Congress titled; "Women's Businesses Struggle for Market Share," (www.uswcc.org/marketshare) which finds, during a decade of strong growth in the number of women-owned firms, women's revenue-based market share shrank ten percent.

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Newly released data from the Preliminary Estimates of Business Ownership by Gender, Ethnicity, Race and Veteran Status: 2007, from the U.S. Census Bureau's 2007 Survey of Business Owners alarmingly finds, even though the number of women's business grew 44 percent between 1997 and 2007, our already small revenues-based market share declined over 10 percent — dropping from 4.41 percent in 1997 to 3.95 percent in 2007.

“Women own over 7.8M firms, (28.75% of all firms in the U.S.) but secure only 3.95 percent of all revenues. The opportunity loss and unrewarded risk, loss of job creation, market demand, tax revenues, and potential retirement assets greatly impacts America's financial future,” says U.S. Women's Chamber of Commerce CEO, Margot Dorfman.

“The media hype about the growth of women's businesses continues to emphasize the number of women-owned firms, rather than our grossly stunted financial success,” continues Dorfman. “This report highlights the growth challenges women business owners face and the opportunity loss our country experiences as we fail to support women as entrepreneurs and business leaders. One third of all businesses — a huge segment of our total business base — are declining instead of growing. We cannot afford to not help women business owners.”

The U.S. Women's Chamber of Commerce finds failure to access affordable capital, failure to access markets, and segregation from mainstream business development and leadership have contributed to the failure of women's businesses to achieve acceptable market share growth and has contributed to America's economic decline.

The USWCC has provided a full report to Congress with a detailed list of recommendations and is initiating aggressive regional activities to support women's businesses and fuel revenue growth. “We're taking women to the heart of economic development, to the sources of business funding, and to the mainstream business marketplace to turn the tide and bring new revenue and market share growth,” says Dorfman.

Women and community leaders interested in supporting women's business revenue growth are encouraged to contact the chamber through the USWCC web portal (www.uswcc.org).

<http://www.louisianaweekly.com/news.php?viewStory=3069>



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[Air Force Leadership](#)

Outside-the-Beltway Perspectives Welcome

Air Force Magazine, July 26, 2010

The Air Force leadership is reaching out to all of its organizations beyond its headquarters elements in Washington D.C., to come up with the best ideas for eliminating excess overhead, says Erin Conaton, the service's undersecretary.

"One of the things we've done . . . is to engage not only our major command commanders [but also] folks who are not in Washington, who are out in command and with responsibility for our numbered air forces," she told the House Armed Services Committee. Doing so is helping "to get their views of how we can do things better," she noted during the July 22 oversight hearing.

Defense Secretary Robert Gates has tasked the Air Force, Army, and Navy each with shedding \$28.3 billion in overhead costs from Fiscal 2012-16 as part of a defense-wide effort to free up \$102 billion for personnel and modernization initiatives.

<http://www.airforce-magazine.com/DRArchive/Pages/2010/July%202010/July%2026%202010/Outside-the-BeltwayPerspectivesWelcome.aspx>

[Cybersecurity](#)

Military Wrestles with Cyber War Battle Planning

By Ben Bain, Defense Systems, July 26, 2010

The new consolidated Cyber Command faces unprecedented challenges as it forges the nation's policies and capabilities for cyber war.

Many historians maintain that it was the ability to decipher Japanese code and not the creation of a new bruising battleship that turned the tide for the U.S. Navy in the Pacific theater during World War II. Meanwhile, in the Atlantic, Allied bombers tried to conceal their aerial attacks by dropping tiny strips of metal foil to sabotage German radar.



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Militaries have long sought to seize the advantages and exploit the vulnerabilities that information technology brings to the battlefield. Now, more than ever, that duality of advantage and vulnerability sums up the U.S. military's deep dependence on IT.

The advanced weapons and communications systems that underpin U.S. military superiority rely on the uninterrupted functioning of that IT backbone and protection of the information it contains — a fact plainly understood by adversaries ranging from other nations to terrorist groups. Defense Department systems are probed by unauthorized users roughly 250,000 times an hour, or more than 6 million times a day, according to DOD officials.

The IT systems that form the backbone of the nation's industrial base play a similarly critical role, with similar vulnerabilities. To compound the challenge, the military, civilian sector and even adversaries use many of the same commercial computer products, which makes them a double-edged sword.

Yet when it comes to providing security in this complex new world of risks and opportunities, the military's past efforts have not been as well coordinated as they could have been. For example, their efforts have focused mostly on the defensive side of the equation.

DOD was "unorganized for the cyber threat for the 21st century," said Paul Kurtz, a cybersecurity expert who served on the White House's National Security and Homeland Security councils during the Clinton and George W. Bush administrations. But, Kurtz said, the military has come to the realization that "cyber weaponry would be a very important arrow in the quiver."

DOD publicly recognized its needs in that area in June 2009, and this past May, it activated the Cyber Command, which is part of the Strategic Command. Cybercom is intended to integrate and coordinate DOD cyber defenses that previously were based in the individual military services.

Led by Army Gen. Keith Alexander, Cybercom also oversees offensive cyber capabilities, and that involves developing weapons and the doctrine that governs when and how those weapons can be used. When he took command of Cybercom, Alexander retained his post as director of the nation's largest intelligence agency, the National Security Agency, which is responsible for signals intelligence and information assurance.

Besides resolving previous gaps and shortcomings, the creation of a command with that level of authority also recognizes the unique and important role of cyberspace.

"As a doctrinal matter, the DOD has declared this a domain, the cyberspace domain," said Air Force Maj. Gen. Suzanne Vautrinot during a speech in Washington last month at a conference that Symantec hosted. Vautrinot is director of plans and policy at Cybercom. "This is the only [domain] that's not controlled by God or Mother Nature, depending on your proclivities."



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It's also a domain without precedent, which poses a challenge in setting objectives, organizational structures, resources and capabilities. Cyberspace involves air, space, land and sea, but it doesn't fall neatly within any of them. As Cybercom moves into its third month, devising clear policies and rules of engagement is high on the to-do list.

Cyber Ops

Although the new command just came online, the military's focus on cyberspace is hardly new. Each of the services has or is in the process of setting up an operational cyberspace command. Alexander recently referred to the Army Forces Cyber Command, Marine Corps Forces Cyberspace Command, 24th Air Force and Navy's Fleet Cyber Command as Cybercom's boots on the ground. However, until now, those assets haven't been controlled in a coordinated fashion.

One of Cybercom's main objectives is to better integrate and coordinate those commands' operations, Vautrinot said. It also includes the staffs from DOD's Joint Functional Component Command for Network Warfare and the Joint Task Force-Global Network Operations.

Prescott Winter, a former chief technology officer and chief information officer at NSA, said there are long-standing concerns about cyber doctrine. He said those concerns hinge on having someone who could review all the options and understand how to coordinate available capabilities in the context of a larger military engagement.

"What you don't want to do is start an operation and then suddenly discover that armed forces are tripping all over each other out there in cyberspace somewhere," said Winter, now CTO of ArcSight's public-sector business.

Cybercom's creation is an effort to keep that from happening. As part of its mission, Cybercom plans, coordinates, integrates, synchronizes and conducts activities to defend DOD information networks and, when necessary, help conduct military cyberspace operations.

The last part of its mission statement refers to the ability to go on the cyber offensive, a mode of operation that many cybersecurity experts have long thought of as necessary, but one that is seldom discussed by DOD officials publicly or in detail. Cybercom's launch hasn't loosened many lips when it comes to talking about the tools in the United States' offensive cyber arsenal.

"We're doing what you would expect us to do," said Navy Rear Adm. Michael Brown, deputy assistant secretary of cybersecurity and communications at the Homeland Security Department. "We're developing a framework across the spectrum of conflict."



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Experts say cyber capabilities can allow the military to use computer keystrokes to achieve objectives that in the past required advanced weaponry or air power to accomplish.

For example, a cyberattack could include turning off an adversary's power grid and then turning it back on later without needing to spend time and money to rebuild it, as would be the case if the military had used conventional weapons to destroy it.

"That's certainly one attack that I think we're likely to see in future conflicts because it'll be much more surgical than even the smartest bomb," said Robert Knake, an international affairs fellow in residence at the Council on Foreign Relations.

Knake and Richard Clarke, former counterterrorism adviser for Democratic and Republican presidential administrations, have co-authored a new book, "Cyber War: The Next Threat to National Security and What to Do About It." In it, Knake and Clarke cite a 2007 incident in which they said Israel used light and electric pulses to control what Syrian air defense radar saw. That allowed Israeli aircraft to destroy a structure believed to be a clandestine nuclear facility.

Cybercom will likely have cyber weapons at its command that can similarly blur the line between offensive and defensive modes. In a military context, the difference between being able to probe and penetrate an adversary's computer network or attack it comes down to a couple of keystrokes, Knake said.

Likewise, Kurtz, now a managing partner based in the United Arab Emirates for Good Harbor Consulting, said, "You can have a small piece of code that can do a whale of a lot of damage or just a little bit of damage depending on how you choose to use it."

Just as important as the cyber weapons — offensive or defensive — are the people who will wield them. So organizing those human resources is also high on Cybercom's agenda.

"Offense and defense are there at the same time, so you've got to plan a strategy in advance, you've got to be able to work as an integrated team being able to play with each other and recognize the talents and skills of the entire team," Vautrinot said.

Others agree that properly managing the people will be crucial. "The big take-away here should be it's about capability: how well trained, how disciplined, how broad is your capability within your offensive organization," Knake said.

Uncharted Territory



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Just as decades ago the military recognized the need for special skills to operate in the air, officials now understand that a specific skill set is necessary for cyberspace. In that context, Cybercom's creation represents a logical progression, said Dan Kuehl, a military historian and professor of information operations at National Defense University's iCollege.

"This is a brand-new domain," he said. "We're learning how to do it. It's not the same as the other domains, and so the development of expertise and capabilities in this domain are best served not by burying it within some existing structure but by going to something new and unique."

Noah Shachtman, a nonresident fellow at the Brookings Institution and editor of Wired magazine's national security blog, "Danger Room," said it remains to be seen what the exact scope of Cyber Command's mission will be.

As Alexander noted during his confirmation hearing before the Senate Armed Services Committee in April, "We can stand up the command under existing authorities, but there is undoubtedly much uncharted territory."

Indeed, the command faces unprecedented questions about personnel, policy, law, doctrine and rules of engagement.

One vexing issue is the role the military should play in protecting private-sector networks if they come under attack, particularly a peacetime attack that originates abroad but is routed through computers owned by U.S. residents.

Alexander said that in such a scenario, DHS would lead because it has responsibility for critical infrastructure. But it could ask for and receive DOD's support. "If asked to do that, we'd get an execute order, and we'd have the standing rules of engagement that we operate under all the time," Alexander said. "The issues now, though, are far more complex because you have U.S. persons [involved]. Civil liberties, privacy — all come into that equation."

Another potential wrinkle, for privacy and operational issues, is the role of NSA, which Alexander also directs. NSA and Cybercom are located at Fort Meade, Md.

Alexander stressed during his confirmation hearing that there would be significant synergy between the two organizations, but each would have its own mission. "There will be two distinct staffs, with distinct authorities and responsibilities for how we operate for intelligence, for information assurance on the NSA side and, for Cyber Command, how we defend and secure our networks and conduct cyberspace operations if directed," he said.



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For Knake, the most important question is how Cybercom officials will decide when to respond to state-sponsored cyber threats against civilians and companies. “What are the thresholds for the military to engage in offensive cyber activity in defense of the United States?” he asked. “That’s really the biggest question: When should that take place?”

Even with clear rules, knowing whom to target with cyber operations will not be easy. A sophisticated adversary can make it nearly impossible to identify where a cyberattack came from.

“Attribution is a huge problem right now,” said Arthur Wachdorf, senior adviser for intelligence and cyber operations at the 24th Air Force, the service’s component command for Cybercom. “Attribution is inexorably linked to how we come up with these terms and policies dealing with attack, espionage or what we’re going to do about that. We have to be able to do it fast enough that it’s militarily relevant.”

None of these are easy questions, but Cybercom officials and supporters understand the challenges they face.

“The easy and simple stuff was done long ago,” Alexander said during a recent speech. “We got the rest.”

<http://fcw.com/articles/2010/07/26/feat-cyber-command-tackles-cyber-war.aspx>

Remotely Piloted Aircraft

Air Force to Brief Industry on New Satellite Communications Program for Global Hawk ISR Data

By John Keller, Military and Aerospace Electronics, July 25, 2010

U.S. Air Force officials will brief industry on a program to transmit high-resolution data from newly installed intelligence, surveillance, and reconnaissance (ISR) sensors on the Global Hawk high-altitude, long-endurance unmanned aerial vehicle (UAV) during an industry day on 9 Aug. in Colorado Springs, Colo.

The industry day briefings concern the High Data Rate Airborne Terminal (HDRAT) program in support of a milestone A decision planned for 2011. The HDRAT will receive ISR sensor data from the Global Hawk UAV at rates as fast as 274 megabits per second.

The HDRAT satellite communications (SATCOM) system will use commercial Ku-band, commercial Ka-band, Wideband Global SATCOM (WGS) Ka-band, WGS X-band, and commercial X-band satellite links to send ISR



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sensor data from Global Hawk to ground forces, which U.S. military leaders want available for flight testing by 2017 timeframe.

HDRAT will include SATCOM antenna chain sub-systems such as radome, antenna, amplifiers, waveguide, and power supplies, as well as modems and waveforms necessary to conduct operations.

A terminal architecture supporting these kinds of capabilities has not yet been selected. The HDRAT analysis of alternatives program will recommend cost effective alternatives that meet requirements.

Air Force Space Command is hosting the industry day briefings, which will be from 9 a.m. to noon on 9 Aug. at Serco-NA, 1050 North Newport Road in Colorado Springs, Colo. Attendee in-processing will start at 8:15 a.m.

The general industry day session will include government programmatic briefings with explanations of the HDRAT program and goals, the purpose of the analysis of alternatives (AoA) program and goals, AoA market research requirements, and request for information (RFI) synopsis, assistance requested from industry, and projected timelines. A question-and-answer session will follow the briefings.

The industry day is unclassified. Those who would like to attend must RSVP no later than 3 Aug. to the Air Force's Joanne Schissel by phone at 719-554-5057, or by e-mail at Joanne.Schissel@peterson.af.mil. Responses should include company name and the full names of those planning to attend. Attendance is limited to no more than three representatives per company, who all must be U.S. citizens.

Companies also may schedule 45-minute one-on-one sessions with briefers from 1 to 5 p.m. on 9 Aug., and from 8 a.m. to 5 p.m. on 10 Aug. to ask follow-up questions, and to provide brief synopses of company capabilities.

More information is online at <https://www.fbo.gov/spg/USAF/AFMC/ESC/R2486/listing.html>.

[http://www.militaryaerospace.com/index/display/mae-defense-executive-article-display/9852887662/articles/military-aerospace-electronics/executive-watch-2/2010/7/air-force to brief.html](http://www.militaryaerospace.com/index/display/mae-defense-executive-article-display/9852887662/articles/military-aerospace-electronics/executive-watch-2/2010/7/air-force+to+brief.html)