

AUSA Special Show Coverage

Day
2



Defense Daily®

Early Development MBDA Brimstone 2 Missile Makes 'Significant' Progress, Company Says

By Ann Roosevelt

MBDA said a series of successful firings of the Brimstone 2 development program in early October demonstrated "significant progress" in proving the performance of the latest guidance system upgrades being added to Brimstone via the U.K. Ministry of Defense program.

The trials involved firing five missiles at a series of targets moving at up to and including 70 mph, from a variety of launch conditions including long range and high off-boresight. The tests were against targets transiting representative cluttered road environments.

Every shot achieved a direct hit on the target, a company statement said.

The Brimstone 2 program builds on the combat proven Dual Mode Brimstone capability, providing significant performance enhancements including: A substantial engagement envelope increase--more than 200 percent increase in off boresight and maximum range capabilities; enhanced laser and dual mode performance against a range of static, fast moving and maneuvering targets at very long ranges against significantly lower reflectivity targets in highly cluttered environments; and increased maneuverability for release from fast moving and maneuvering platforms and to further increase the performance against highly dynamic targets in the end game.

All five missiles were fitted with a telemetry system instead of a warhead to provide the necessary performance evidence for the guidance chain.

The telemetry system confirmed that each missile performed perfectly throughout, the statement said. Each missile flew the optimum trajectory, immediately acquiring the laser returns confirming the enhanced long range laser performance, fused and correlated the laser and MMW RF radar target tracks and then used the MMW radar to ensure no escape and a direct hit.

Brimstone demonstrated its precision and low collateral capabil-

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Day 2 • Tuesday • October 22, 2013 Schedule Of Events

0730-1700

AUSA REGISTRATION DESK

Convention Center East and West Registration

0730-1700

AUSA TICKET PICKUP OPEN

Convention Center West Registration

0800-0900

**INTERNATIONAL MILITARY VIP INDUSTRY
NETWORKING BREAKFAST**

Room 150 A (By invitation only)

0800-1100

RETIREE AFFAIRS COMMITTEE MEETING

Room 103 B

0800-1100

**CHAPTER PRESIDENTS AND DELEGATES
WORKSHOP**

Room 147 A and B

0830-0930

CONGRESSIONAL STAFFERS BREAKFAST

Room 146 A, B, and C (By invitation only)

To be followed by tour of the Exhibit Halls

0830-1100

**THE SERGEANT MAJOR OF THE ARMY'S
PROFESSIONAL DEVELOPMENT FORUM**

Room 152 A and B

0900-1100

**WARRANT OFFICER PROFESSIONAL
DEVELOPMENT SEMINAR**

Room 150 B

0900-1200

AUSA MILITARY FAMILY FORUM II

Room 207 A and B

0900-1700

EXHIBITS OPEN

Halls A, B, C, D and E

1000-1130

ARMY NATIONAL GUARD SEMINAR

Room 145 A and B

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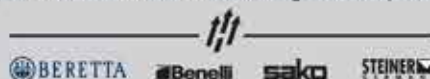
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ity against a range of armored, non-armored, static and fast moving and maneuvering targets in support of RAF operations in Libya and continues to do so in Afghanistan.

These capabilities to now engage targets at longer ranges, higher altitudes, and at high off-boresight angles, even with high platform bank angles, ensures optimum flexibility and survivability for the platform, while minimizing the process and time to engage time sensitive targets, the statement said. The aircrew can stand off at vastly longer ranges, engage targets from a Close Air Support (CAS) wheel without the need to revert to straight and level flight, and all the time have the confidence that the missile has the precision to hit the target irrespective of target speed and maneuver especially in real world cluttered environments.

MBDA is jointly held by **BAE Systems** with 37.5 percent, **EADS** with 37.5 percent and **Finmeccanica**, 25 percent. ■



On Alert in Kandahar with Kandahar

Expansion and Growth Are Watchwords For Textron Systems, Top Official Says

By Ann Roosevelt



Ellen Lord,
President and CEO
Textron Systems

Textron Systems [TXT] is finding it more and more important to expand its core products and services domestically and internationally while their first commitment remains fulfilling customer priorities and delivering value to shareholders, the top executive said.

International sales of sensor-fused weapons, and the Commando family of vehicles, for example, keeps domestic production lines hot, Ellen Lord, president and CEO of Textron Systems, told *Defense Daily*.

International business has been very important-- "in 2013, now, it's about 35 percent of revenue and has been growing since 2008, so it's not new and we anticipate further significant growth," she said.

Right now, Textron Systems' armored vehicles program involves Afghanistan, Canada

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90mm Direct Fire Commando Variant

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and Colombia, and it is working with other countries.

Lord was in Afghanistan in May, where she saw firsthand how the U.S. investment has moved into an upgraded program for the Afghan National Army, providing not only hardware, but also training, with hundreds of employees in theater working shoulder-to-shoulder with the Afghan Army.

“It’s a great partnership; it keeps the production line growing, also including variants,” she said.

At the same time, Textron Systems is managing risk in multiple ways.

“We’re committed to being very, very close to our customers,” she said, constantly meeting with the acquisition and user communities. “We make very calculated investment in terms of where we are putting our discretionary funds.”

One change in the last year or so is that Textron Systems is no longer “depending on international business development people to hop on planes and fly. Now, they are embedding in the country,” Lord said.

That means while selling armored vehicles, like the Commando family, in Afghanistan, there is an office and hundreds of people on the ground. The same is true for Canada, where Textron is executing the Tactical Armored Patrol Vehicle (TAPV). The company is also putting a program manager in Colombia now that they are delivering vehicles there. It’s all to become close to and understand the country.

“We lean forward,” she said. “Dealing with the Afghan National Army, we heard what was needed and put our own money into the 90mm direct fire variant of Commando Select, and we are now getting orders.”

This direct fire variant is at the Textron exhibit at the Association of the United States Army. That variant was a targeted investment building on the Armored Security Vehicle. The Afghan National Army is ordering the vehicles to become part of its Mobile Strike Force Units. Textron personnel are in country training vehicle operators and maintainers.

The new 90mm Direct Fire vehicle is equipped with a CMI Defense Cockerill CSE 90LP weapon system, which offers day/night combat capability for tactical options ranging from counter-insurgency to conventional combat operations, the company said. The two-person, low profile turret is lightweight and simple to operate and maintain, and is outfitted with a Cockerill Mk3 90mm low-pressure gun.

Discretionary funding is also going into the Shadow M2 Tactical Unmanned Aerial Vehicle, providing it with new power, performance and payload. There was significant interest in a higher-end payload. It is also being marketed internationally.

“We’re spending money in a more focused way,” Lord said. There are lots of conversations on upcoming requirements and in this competitive environment the company is “being very serious about bringing fully capable systems to market to demonstrate and sell.”

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“We all need to be extremely cost conscious in this environment,” Lord said. “I think it’s causing us to

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be really, really smart on how to deploy our very precious resources--discretionary dollars or our talent.”

Textron Systems has been looking at international markets for some time. For example, since 2004 it has had a presence in Bangalore, India with an engineering group doing a lot of IT work. With global resources, and help from business development, there was a sale of the sensor fuzed weapon, due to good collaboration.

The way Textron Systems views the world is changing, she said.

“The one thing that I think has really changed, we’ve evolved to looking at security solutions versus just selling products, which is part of the reason for putting high level business development individuals in country,” she said. “So they can really understand what the requirements are and bring the whole variety of products to bear--wheeled vehicles, unmanned vehicles--and to be smart about our sister companies, such as Cessna and Bell Helicopter. We talk all the time and do a lot of cross marketing these days.”

Textron is not viewed as a giant defense contractor, and that is a good thing, she said. “Big enough to be extremely significant in the marketplace, but still small enough to work together...We meet eyeball to eyeball.”

The company is always looking for new opportunities to grow the business, whether by acquisition or partnerships.

Something else that’s changed over the past couple of years is that Textron Systems has become more aggressive about strategic workforce planning. “Moving people around, particularly high performers and those with geographic mobility,” she said. “We aggressively move them around so they get many types of experience, learn a lot of different products and can have a sense about what capabilities a customer requires and how to put things together to bring capability, not just sell a product.” ■

Army, Northrop Grumman Plan Major Air And Missile Defense Demonstration

The Army and Northrop Grumman [NOC] have made substantial progress toward a major integrated air and missile defense (IAMD) demonstration planned to begin Oct. 24 at Redstone Arsenal, Ala.

For the demonstration, Northrop Grumman will participate with IAMD Battle Command System (IBCS) software and hardware components to highlight critical capabilities tied to objectives established by warfighters.



IAMD Battle Command System

Photo: Northrop Grumman

IBCS will provide Air Defense Artillery (ADA) units one common battle command system for all Army air defense assets that are fully integrated with other Army and Joint IAMD systems.

“All IBCS components are in place for the IAMD demonstration and we look forward to helping the Army show how this open architecture, any sensor-any shooter system provides transformational capabilities while cutting total ownership costs,” said Linnie Haynesworth, vice president and general manager of Federal and Defense Technologies division for Northrop Grumman Information Systems. “We have

released enhanced software, delivered tactical EOCs (engagement operations centers) and network relays.”

Haynesworth added: “We’ve also completed the first hands-on training for soldiers from Fort Bragg and Fort Bliss during a weeklong event at IBCS facilities in Huntsville.”

Northrop Grumman conducted training on IBCS operations for soldiers from the 108th ADA Brigade. Those soldiers will return with air defenders from the First Armored Division to participate in the IAMD demonstration.

“Having soldiers participate from our operational units, conducting operational scenarios on the IAMD tactical hardware is a big deal,” said Col. Robert Rasch, project manager, Army Integrated Air and Missile Defense Project Office. “For the first time, users will get to see the actual implementation of their vision for an integrated air and missile defense capability.”

The company delivered two tactical integrated fire control network relays and three dismounted relays that let IBCS interface with remote weapons and sensors. The relays extend the IBCS integrated fire control network across the battlefield, and enables IBCS to establish a highly mobile, self-forming ad hoc network.

Northrop Grumman also delivered three tactical and three dismounted air defense EOCs for the Army’s system integration laboratory. Each EOC is a shelter for IBCS computers and radios and the necessary environmental control and power components. The hardware has been integrated with IBCS version 2.1 software that includes the ability to directly connect with the launcher component for the network.

In addition to showcasing capabilities, the IAMD demonstration serves as the mechanism to begin developing detailed test plans, procedures, processes and data collection plans for upcoming developmental and operational testing. Furthermore, the demonstration will continue the direct involvement of operational warfighters in the design as part of the IBCS warfighter-centered development process.

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The Army's 2014 plans for development and operational testing include flight tests using the IBCS EOCs and relays at White Sands Missile Range, N.M.

The IBCS program resulted from analysis of Desert Storm and Iraqi Freedom operations to improve mission command as a top priority. By implementing an open, network-centric, system-of-systems solution, IBCS optimizes battle management command and control and significantly improves cost effectiveness and flexibility. IBCS uses an enterprise, plug-and-fight approach to ensure that current and future sensors and weapon systems can be easily incorporated, allowing warfighters to take advantage of integrated Army and joint capabilities. The IBCS program also focuses on warfighter decision processes and tools to ensure intuitive situational understanding for time-critical engagements. ■

Protest Outcomes On Key Navy Programs Facing Possible Delay, GAO Says

By Mike McCarthy

Decisions that had been expected this month on protests over two major Navy contract awards could be delayed by more than two weeks because of the government shutdown that prompted the furloughing of the Government Accountability Office's (GAO) workforce.

Like most of the federal government, GAO employees were furloughed on Oct. 1 and didn't return to work until Thursday, hours after Congress voted to end the shutdown. The oversight agency that rules on industry protests is scheduled to issue determinations on the Navy's next-generation intranet by Wednesday and the next-generation jammer by Oct. 28, dates within the standard 100-day timeframe.

Ralph White, the head of the GAO's protest office, said that while the agency's goal remains to complete the protests on time, it also has the option of delaying the dates for protest decisions by the number of furlough days--in this case 16.

"We are trying to meet the hundred-day deadline on every case in progress that we can," he told *Defense Daily*. "But if we can't meet that 100 days deadline because we were not here, we will consider extending the deadline for every day that the government was closed."

At stake are protests filed by partners **Harris Corp [HRS]** and **Computer Sciences Corporation [CSC]** over the Navy's award



An EA-18G Growler in foreground.

Photo by Boeing

of the Next Generation Enterprise Network (NGEN) to **Hewlett-Packard [HP]**, and **BAE Systems'** protest against **Raytheon's [RTN]** win in the competition to supply the Navy's Next Generation Jammer (NJG).

The cases are among the roughly 280 that were underway at GAO when the shutdown began, White said. An additional 200 cases were electronically filed during the shutdown but could not be processed until the furloughs ended, White said.

Work on both Navy programs has been on hold since the protests were lodged in July. The Navy awarded a \$320 million NGEN contract to HP on June 28 that could reach a value exceeding \$3 billion, and around the same time awarded Raytheon an initial contract of \$280 million for NGJ that could also

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stretch into the billions.

NGEN is the follow-on to the Navy Marine Corps Intranet (NMCI), which is currently operated by HP, and provides secure, net-centric data and services to 800,000 Navy and Marine Corps personnel and connects 400,000 workstations.

Raytheon also defeated **Northrop Grumman** [NOC] for NGJ, but the latter chose not to protest. The next-generation jammer is to replace the Northrop Grumman-built ALQ-99 and be installed on EA-18G Growler electronic attack aircraft. The first NGJ is set to arrive in 2020. ■

Obama's Surprise DHS Pick Brings Strong Legal Background, Solid DoD Ties

By Calvin Biesecker



Jeh Johnson

Jeh Johnson, President Barack Obama's nominee to head the Department of Homeland Security, will bring a solid working knowledge of the Defense Department that combined with his strong legal background should help strengthen the relationship between the two departments which work together on a regular basis to fulfill homeland security and defense missions, according to an industry official.

Johnson, who must be confirmed by the Senate to be the next Secretary of Homeland Security, worked as general counsel at DoD from 2009 through 2012, a job that allowed him to see the entire department, Rick "Ozzie" Nelson, vice president of Business Development for **Cross Match Technologies** and a senior affiliate specializing in homeland security issues for the Center for Strategic and International Studies, told *Defense Daily* on Friday.

DHS relies on its relationships with DoD, particularly in areas such as disaster response, use of the National Guard for disaster response and border security missions, homeland defense missions, and infor-

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1000-1200

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1130-1215

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1230

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Room 207 A and B

1430-1600

CHIEF, ARMY RESERVE SEMINAR
Room 145 A and B

1430-1630

ILW CONTEMPORARY MILITARY FORUM
Room 151 A and B

1500-1700

ILW CONTEMPORARY MILITARY FORUM
Room 202 A and B

1500-1700

CSM, ARNG BREAKOUT SESSION
Room 150 A

1500-1700

CHAPTER OPERATIONS COMMITTEE MEETING
Room 208 B

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mation sharing, Nelson said. A lot of the challenges in getting DoD support for DHS are legal and bureaucratic, which play into Johnson's strengths, he said.

Johnson's nomination was a surprise to just about everyone as he wasn't on any of the lists compiled by homeland security watchers and analysts to succeed former secretary Janet Napolitano, who departed last month.

Johnson also spent more than two years as the top Air Force lawyer at the end of former President Bill Clinton's second term and was a federal prosecutor from 1989 to 1991. He has also spent a number of years as a lawyer for the New York-based law firm of **Paul, Weiss, Rifkind, Wharton & Garrison**.

Nelson believes that the nomination of Johnson to lead DHS shows that Obama, and before him President George W. Bush, see the department as law enforcement agency. If confirmed, Johnson would be the fourth secretary of the department. His predecessors were all lawyers and also served as federal prosecutors.

But where Johnson stands on some of the hot button issues such as border security and immigration reform is anybody's guess at the moment but Nelson expects him to be in step with Obama on the need for immigration reform.

In addition to the major political and policy issues that will confront Johnson if he is confirmed, he also has pressing internal issues to face.

"Even with this prospective nominee, over 40 percent of senior leadership positions at DHS are either vacant or have an 'acting' placeholder," Rep. Michael McCaul, chairman of the House Homeland Security Committee, commented last Thursday.

Rich Cooper, a principal with the consulting firm **Catalyst Partners**, wrote in a blog on Friday that filling these leadership vacancies will be difficult in the second half of Obama's final term.

Moreover, Johnson would inherit a department notorious for its low morale.

"The job Johnson might inherit, however, is probably now an even worse position to hold than it was when Napolitano left it a month and a half ago," Cooper wrote. "Why? First off, for a department that is already at the bottom of the barrel in the morale department, the past 16 days of the government shutdown have done nothing to move the morale needle in a positive direction."

Cooper also pointed out that through Johnson's work at DoD on various hot-button issues, including cyber security, he has a "pretty good basis to start with for the DHS job." ■



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Oshkosh Showing Integrated Vehicle C4 Network

Oshkosh [OSK], a maker of armored military vehicles, is demonstrating its integrated network for C4 systems on all-terrain vehicles such as the Mine-Resistant Ambush Protected (MRAP) vehicle at the Association of the U.S. Army exposition in Washington this week.



Oshkosh's JLTV offering. Photo by Oshkosh

Oshkosh said the integrated approach allows the installing of the C4 and weapons capability during the production of the vehicles to help avoid potential system conflicts while eliminating the costs associated with the tearing of a vehicle apart and reassembly that is required to install the systems after production.

“Oshkosh’s ‘first pass’ systems integration approach optimizes the overall vehicle and C4 package design to deliver a fully integrated solution that puts the network at the soldiers’ fingertips to support their missions,” said John Urias, executive vice president of Oshkosh Corporation and president of Oshkosh Defense.

“This integrated approach, which we utilized for our JLTV EMD vehicles, offers greater value for our military customer, a more ergonomic design for the soldier and enables rapid fielding of vehicles with integrated C4ISR suites,” he added.

Oshkosh is one of three firms, including **Lockheed Martin** [LMT] and AM General, competing for the Army and Marine Corps’ Joint Light Tactical Vehicle [JLTV] program, which is intended to replace the HUMVEEs. All three companies submitted a group of vehicles to the government last summer for testing and evaluation as part of the competition.

The 22 JLTV prototypes Oshkosh handed over included the integrated C4 configuration as well as multiple JLTV mission package configurations, the company said. Oshkosh began installing the wiring required for C4 integration in the MRAPs when they were developed under an urgent need for the war in Afghanistan and production rates were at 1,000 monthly. ■

Lockheed Martin Continues Work On Blimp-Based Surveillance

Lockheed Martin [LMT] said it is continuing to work on a tethered blimp designed to provide real-time reconnaissance and surveillance 24 hours a day to soldiers in Afghanistan. The company is under a \$345 million-contract with the Army to operate and sustain the Persistent Threat Detection Systems (PTDS).

PTDS is an aerostat-based system equipped with multiple sensors that provides low-cost, continuous communications and persistent surveillance capabilities that cannot be performed by manned or unmanned aircraft, Lockheed Martin said. It carries different types of surveillance equipment to deliver constant day and night, 360-degree detection, surveillance, monitoring and force protection.

“PTDS has proven to be a critical asset for the protection of our forces and those of our allies,” Jim Quinn, vice president of C4ISR Systems with Lockheed Martin Information Systems & Global Solutions, said during the Association of the U.S. Army exposition this week in Washington. “We will work in theater with the Army to ensure that PTDS continues to provide mission critical support directly to our warfighters,” he added.

PTDS is designed to cover large areas and can remain aloft for more than 25 consecutive days, Lockheed Martin said.

“The PTDS has proven quite effective providing coalition forces with real-time situational awareness of insurgent and other illegal activity,” the company said. “It is used to protect soldiers deployed at forward operating bases, as well as in cities to safeguard the general public.”

PTDS is run out of the Army’s program executive office for intelligence, electronic warfare and sensors. ■



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