

# Army Guide monthly



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## Defence Industry

### BAE Systems and Northrop Grumman Announce Teaming Agreement to Pursue Ground Combat Vehicle

ARLINGTON, Virginia -- BAE Systems and Northrop Grumman Corporation have announced a teaming agreement to pursue the Ground Combat Vehicle (GCV) program.

The GCV program is a development effort headed by the U.S. Army and is designed to develop the next generation Infantry Fighting Vehicle.

"BAE Systems and Northrop Grumman have been pre-eminent suppliers of combat systems to the U.S. Army for more than 50 years," said Mark Signorelli, BAE Systems' vice president and general manager of Ground Combat Vehicle. "Our team looks forward to working side by side with the Army and its Soldiers in the development of the new Ground Combat Vehicle. Collectively we bring the proven experience, the latest technology and cultures of innovation and service to the Army's effort to develop a new generation of fighting vehicles."

BAE Systems will serve as the prime contractor in this partnership. It is the world's largest producer of combat vehicles, having fielded more than any other company in the world. The company is the top supplier to the U.S. Army's Heavy Brigades, one of the largest suppliers to the U.S. Department of Defense and the second largest defense company in the world.

Northrop Grumman will serve as the C4ISR (command, control, communications, computers, intelligence, surveillance and reconnaissance) lead, responsible for integration of command and control hardware and software, computers and communications equipment, sensors and sensor suites for intelligence gathering and force protection, and other functionality that requires 'plug and play' with the internal network or provides situational awareness across external networks.

"We are very pleased to be a member of the BAE Systems-Northrop Grumman GCV team," said Maj. Gen. (Ret.) Joe G. Taylor, Jr., vice president, ground combat systems at Northrop Grumman. "Together we bring an experience level of combat platform production and C4ISR integration capabilities to the GCV program that is unsurpassed by our competitors. The GCV is an extremely important program for the Army. For the past 30 years BAE Systems has provided the infantry fighting vehicle which has successfully served the war fighter. We are proud to be a part of a team that will continue along that same path for the next 30 years."

The Army intends to award contracts to as many as three competitors this fall with production expected to begin in 2017.

The Army released last Thursday a request for proposal (RFP) for the technology development phase of the Infantry Fighting Vehicle being developed under the Ground Combat Vehicle (GCV) effort.

The Army has worked extensively with the Office of the Under Secretary of Defense for Acquisition, Technology and Logistics to develop this program. The GCV acquisition program will follow Department of Defense best acquisition practices and be a competitive program with up to three contract awards. The GCV development effort will consist of three phases: technology development, engineering and manufacturing design and low rate initial production. The Army anticipates awarding the first contracts for the technology development phase in the fourth-quarter of fiscal 2010.

The technology development phase involves risk reduction, identification of technology demonstrations, competitive prototyping activities, and planned technical reviews. Industry will have 60 days to submit proposals to the Army for this development effort.

The Ground Combat Vehicle effort is part of a holistic Army plan to modernize its combat vehicle fleet. This includes incorporating Mine-Resistant Ambush Protected (MRAP) vehicles into the fleet while modernizing current vehicle fleets including Stryker. The first Ground Combat Vehicle will be an Infantry Fighting Vehicle offering a highly-survivable platform for delivering a nine-man infantry squad to the battlefield. The GCV is the first vehicle that will be designed from the ground up to operate in an improvised explosive device (IED) environment. It is envisioned to have greater lethality and ballistic protection than a Bradley, greater IED and mine protection than an MRAP, and the cross country mobility of an Abrams tank. The GCV will be highly survivable, mobile and versatile, but the Army has not set specific requirements such as weight, instead allowing industry to propose the best solution to meet the requirements.

Prior to the release of the RFP, the Army engaged with industry through a series of industry days to inform them of the government's intent for GCV development and gain their feedback from potential contractors about GCV requirements and emerging performance specifications. In response to these initiatives the Army received significant feedback and insights on requirements, growth, training, test and the program at large thereby informing the requirements process and indicating the potential for a competitive contracting environment.

## Defence Industry

### Oshkosh Defense Awarded \$29 Million Contract to Supply Egypt With Next-Generation Trucks

OSHKOSH, Wis. -- Oshkosh Defense, a division of Oshkosh Corporation (NYSE:OSK), has received a contract modification valued at \$29 million from the U.S. Army TACOM Life Cycle Management

## Army

### Army Ground Combat Vehicle Request for Proposal Released

Command (LCMC) to supply more than 75 next-generation Heavy Expanded Mobility Tactical Trucks (HEMTT A4) to branches of the Egyptian armed forces.



This is the first order for the HEMTT A4 in Egypt and it will integrate with Egypt's current HEMTT A2 fleet.

The Oshkosh® M978 HEMTT A4 fuel-servicing truck, or tanker, is designed to transport 2,500 gallons of fuel to forward-arming and refueling points (FARP). The vehicle, which is part of the U.S. Army's Family of Heavy Tactical Vehicles (FHTV), features a more powerful drivetrain, improved suspension and a fully air-conditioned and armor-ready cab.

"The HEMTT A4 is part of our full line of vehicles designed for international and off-road operations," said Ron Ziebell, Oshkosh Corporation vice president and general manager of international programs, Defense. "In addition to offering severe-duty, medium- and heavy-payload vehicles, our global aftermarket network ensures our customers have ready access to parts and support services."

In addition to supplying the vehicles, Oshkosh Defense will provide support and more than 25 spare engines to the Egyptian military. Aftermarket support includes a two-year fleet agreement, vehicle training and 12 months of Field Service Representative (FSR) support in Egypt.

Since 1990, Oshkosh has supplied Egyptian armed forces with tactical wheeled vehicles and aftermarket support. The HEMTT A4 is the latest Oshkosh vehicle in the Egyptian military fleet, which also includes the Heavy Equipment Transporter (HET) and the Medium Tactical Truck (MTT).

Oshkosh has produced more than 70,000 military-class vehicles at its facilities, including more than 30,000 FHTVs. The company has begun work on the Army's Family of Medium Tactical Vehicles (FMTV) as well and is currently working on an initial FMTV delivery order valued at \$280.9 million for the production and delivery of 2,568 trucks and trailers. Oshkosh has the available capacity, highly skilled workforce and proven manufacturing capability to deliver these and other vehicle orders for all Army and Defense programs, including the MRAP All Terrain Vehicle (M-ATV), as well as any surges in production.

Defense, a division of Oshkosh Corporation, announced today it has received three awards valued at more than \$35 million from the U.S. Army TACOM Life Cycle Management Command (LCMC) for MRAP All-Terrain Vehicle (M-ATV) upgrades and in-theater support.

The company received two awards for more than 6,400 M-ATV Self Protection Adaptive Roller Kits (SPARKS) upgraded interface brackets, as well as an award expanding Oshkosh Defense aftermarket support in-theater that will place 18 additional Oshkosh field service representatives (FSR) in Afghanistan and six in Iraq.

SPARKS are mine roller systems designed to be fitted to tactical wheeled vehicles and are used to protect soldiers from improvised explosive devices (IED). The roller system makes contact with the IED and causes the device to detonate away from the vehicle and crew. Oshkosh M-ATVs include an existing SPARKS interface. Recently, the SPARKS mine rollers have undergone revisions under U.S. government direction. These upgraded interface brackets will allow Oshkosh® M-ATVs to be fitted with the upgraded SPARKS.

Upgrade kits will be shipped to the Defense Distribution Depot Red River in Texarkana, Texas, in June 2010. The government will ship the brackets to receiving units in theater for installation on Oshkosh M-ATVs. Oshkosh FSRs will support with installation as necessary.

Oshkosh FSRs support the M-ATV and other vehicles in-theater, providing training and the complete spectrum of service and support in Iraq and Afghanistan. Oshkosh FSRs operate at any theater forward base that would support the M-ATV and that may require more access to Oshkosh Corporation than internal assets can provide.

Oshkosh has produced the M-ATV at a rapid pace, meeting the government's accelerated delivery schedule. To date, the aggregate amount of awards Oshkosh has received for 8,079

M-ATVs, upgrade kits, spare parts kits and aftermarket support is valued at more than \$4.74 billion. In addition to providing exceptional survivability, the M-ATV uses the Oshkosh-patented TAK-4® independent suspension system to deliver superior off-road mobility on Afghanistan's challenging mountainous terrain and unimproved road networks.

## Defence Industry

### Thales is selected to extend the French Army's RITA communications network

Colombes -- Thales has signed a €240M contract with the French Defence Procurement Agency (DGA) to extend the French Army's RITA (Reseau Integre de Transmissions Automatiques or Automated Integrated Communications Network).

As part of this contract, named RITA N4, Thales will provide the Army with high-performance IP communications systems for battalion Command Posts. This success further strengthens Thales's position as

## Contracts

### Oshkosh Defense Receives \$35 Million in Awards for M-ATV Interface Upgrades and Expanded Aftermarket Support

OSHKOSH, Wis. — March 8, 2010 — Oshkosh

prime contractor of secure tactical IP networks for the armed forces.



Having delivered RITA for levels 1 – 3, Thales proposes this new version of RITA, intended for Army level 4, or the “Groupement Tactique Inter-Armes” (GTIA) or Combined Arms Task Force, a new level of command to be networked with higher ranks thanks to RITA.

As a result, the GTIA will be continuously provided with services at all command levels, from 1 to 4, such as e-mail, attachments, Voice over IP.

“We are proud that the Army and DGA have once again put their trust in us. This RITA N4 system will assist the Army in their increasingly complex missions”, explained Jean-Michel Lagarde, Thales Vice President, in charge of Network & Infrastructure Systems. “This marks the first step towards an all-IP network, which is in keeping with the DGA’s ultimate ambition to equip all the armed forces with the same system, at all different levels of command.”

RITA N4 is an extension of the RITA 2G network, which Thales has been developing since the start of the decade. The transmission platforms implemented will include both the SYRACUSE satellite and CHF LOS (Line Of Sight) radio links.

The RITA network is currently deployed by the Army on several fields of operations.



### Contracts

#### General Dynamics Receives \$41 Million for RG-31 MRAP Spare Parts



LONDON, Ontario, Canada -- U.S. Marine Corps Systems Command (MCSC) has awarded General Dynamics Land Systems-Canada a USD\$41.5 million delivery order modification for spare parts in support of RG-31 Mk5E vehicles under the Mine Resistant Ambush Protected (MRAP) vehicle program.

General Dynamics Land Systems, the Canadian

company’s parent corporation, is a business unit of General Dynamics.

These parts will be used to support vehicles that are being manufactured under a delivery order awarded to General Dynamics Land Systems-Canada on February 17, 2010, for 250 RG-31 Mk5E vehicles for the MRAP program. In total, 1,652 RG-31 vehicles have been ordered under the MRAP program.

The contract was signed through the Canadian Commercial Corporation, a Crown Agency of the Canadian Government.



### Contracts

#### Togo relies on Panhard



Panhard has delivered 80 TC54 trucks and six PVP armoured vehicles to Togo's Armed Forces. These vehicles will mainly be used to facilitate the deployment of Togolese units engaged in the MINURCAT mission in eastern Chad.

Togo had already acquired 30 TC54 trucks at the end of 2008 for the purposes of that mission. The PVPs have been painted white, in the United Nations colours.

The PVP, more than 500 of which are now in service with the French Army, is deployed in major theatres of operation. It is worth noting that Togo is the second largest customer on export markets, after a Latin American country. One of the attractive features offered by the PVP is its roomy interior. Its architecture was designed to provide the crew with as much space as possible. In addition, its walls are fitted with rails to allow the easy installation of equipment or changes in the vehicle's configuration. With a payload of one tonne, the PVP can carry four equipped crew members. Several versions have been developed to cater for the needs of different army branches, with specific versions being designed for artillery corps and transmissions branches in addition to command and antitank versions. The PVP, which is in the 5-tonne class, is much easier to handle in urban environments than its competitors owing to its small size. Intended for use in conflict areas, it is very suitable for use in narrow streets. With its powerful engine and automatic gearbox, it is also perfectly at home on rough terrain and offers excellent obstacle crossing capability. The possibility of adjusting tyre pressures from inside the cab is also a major advantage on soft ground. Furthermore, the PVP's ballistic protection system has undergone extensive studies and tests. Its armour-plating, incorporating steel, aluminium and ceramic components in particular, provides

protection better than NATO STANAG level 2, which is unusual for vehicles of this tonnage. Special care was also taken to cater for the threat of improvised explosive devices. This protection makes the PVP very suitable for use in theatres of operation.

The TC54, a robust vehicle which is very much at home on rough terrain, is highly suitable for missions in desert regions where there are often long distances between a force's various components. This 4x4 truck, which is now mass produced, was developed to meet the specific needs of armed forces in the logistics field. The TC54 offers the best payload/vehicle weight ratio for this category of vehicle. In fact, its military payload of 5 tonnes is greater than the vehicle's empty weight (4.4 tonnes). This technical feat is achieved by employing innovative architectures to provide customers with substantial savings throughout the vehicle's service life and enhanced operational capability. The TC54 can be supplied in a variety of versions: command vehicle, shelter carrier, supply vehicle and troop carrier.

and Land Systems to manufacture and deliver approximately 240 armor protection kits for Armored Security Vehicles (ASVs).



As part of the agreement, BAE Systems' Security & Survivability business will produce armor kits for the M1117 ASV—a turreted, armored, all-wheel drive vehicle—and armor kits for the M1200 Armored Knight—an ASV variant equipped with a sensor package that is used to locate and designate targets for indirect fire and laser guided weapons. After delivering the armor kits to Textron, BAE Systems' appliqué armor panels will be installed, and the armored up ASVs will be delivered to the U.S. Army Tank-Automotive and Armaments Command (TACOM).

Through its established relationship with Textron, BAE Systems has been building ASV armor panels for more than six years. "We are honored to once again have the opportunity to provide armoring systems for these important lifesaving vehicles," said Don Dutton, vice president of Platform Survivability for BAE Systems' Security & Survivability business. "We take great pride in knowing that the ASV is highly regarded as a safe, reliable and combat-proven vehicle that continues to protect our servicemen and women in Afghanistan, Iraq and throughout the world," added Dutton.

The ASV is often used to support Military Police missions, as well as a variety of other essential military operations.

Work on the contract is being performed at BAE Systems' facilities in Phoenix, Arizona. Deliveries of ASV armor kits will begin in March 2010 and are expected to be completed by July 2010.

BAE Systems' Security & Survivability business is a leader in protection, security and survivability systems for land, air and naval applications. It is a technology leader in lightweight materials, including composites, ceramic and transparent armor technologies; integrated vehicle armor systems; vehicle and aircraft survivability components and accessories; and soldier protection equipment, sold primarily to the government and other defense contractors.

### Contracts

#### Oshkosh Defense Awarded \$10 Million for M-ATV Remote Weapon System Kits

OSHKOSH, Wis. -- Oshkosh Defense, a division of Oshkosh Corporation, announced today it has received an award valued at more than \$10 million from the TACOM Life Cycle Management Command (LCMC) to supply more than 1,400 MRAP All-Terrain Vehicle (M-ATV) kits to support remote weapon systems, which will be controlled from inside the vehicle's crew capsule

The Oshkosh® M-ATV features exceptional survivability capabilities, as well as the off-road mobility, needed to operate on mountainous terrain and unimproved roads found in places like Afghanistan. To date, Oshkosh has received awards valued at more than \$4.75 billion for 8,079 M-ATVs, as well as spare parts kits, upgrade kits and aftermarket support. The M-ATV also is available in utility and ambulance variants.

Using the Oshkosh patented TAK-4® independent suspension system, the M-ATV has a 70 percent off-road profile capability and 16 inches of independent wheel travel. The TAK-4 system is being retrofitted on more than 2,400 legacy MRAPs for improved mobility in Afghanistan. It is featured on more than 10,000 Oshkosh Medium Tactical Vehicle Replacements (MTVR), as well as the Marine Corps' Logistics Vehicle System Replacement (LVSr) and the Army's modernized Palletized Load System (PLS), which are also built by Oshkosh.

### Contracts

#### BAE Systems Awarded \$10.5 Million Contract for Armor Panels

CINCINNATI, Ohio -- BAE Systems has been awarded a \$10.5 million contract by Textron Marine

### Contracts

#### Elbit Systems Awarded \$298 Million CONTRACT FOR THE SUPPLY OF command, control and communications system FOR THE AUSTRALIAN DEFENCE FORCES

Haifa, Israel -- Elbit Systems Ltd. announced that it was awarded a contract from the Department of Defence of the Commonwealth of Australia in the amount of approximately \$298 million U.S. dollars (approximately \$ 331 million Australian dollars) for the supply, integration, installation and support of a Battle Group and Below Command, Control and Communications (BGC3) system for the Australian Army's Land 75/125 program.



The BGC3 comprises a Battle Management System (BMS) for soldiers, Vehicle Mounted Commanders and Headquarters/Command Post Staff.

This project, to be performed over the next three years, will enable the Australian Army to achieve a major portion of its defence network centric warfare milestone of a networked brigade with cutting edge technology in battle management and communications systems.

The capability will increase the commander's battlespace awareness, automate combat messaging and assist in the execution of operations. Importantly, this capability will significantly reduce the risk of casualties resulting from friendly fire. This high priority acquisition will assure improved protection and coordination for Australian Defence Forces personnel, allowing missions to be carried out more efficiently, safely and effectively.

Elbit Systems, a leading supplier of tactical Battle Management Systems, has been selected by the Australian Department of Defence following a world-wide competitive open tender.

Joseph Ackerman, President and CEO of Elbit Systems, commented: "Australia is a very important market for Elbit Systems, and we are extremely proud to be selected by the Department of Defence for this major program, one of the largest and most prestigious BMS programs in the world. The selection of our systems by the Australian Army, considered among the world's most advanced and modern fighting forces, reflects the quality and maturity of our systems, resulting from the fact they are currently in operational use by more than 20 armed forces worldwide".

## Contracts

### Metal Storm Weapons Participate in UGV Live-Fire Scenario

Metal Storm has received video footage from the US Navy of Metal Storm weapon systems taking part in an unmanned systems-based live-fire demonstration. This footage is now being made available on the Metal Storm website.

China Lake, located on the edge of California's Mojave Desert, was chosen to provide a realistic environment for the demonstrations. With temperatures reaching 110 degrees Fahrenheit, its hot, dry, dusty environment is very similar to that encountered in Afghanistan, providing a harsh but realistic field-test for equipment.

Metal Storm demonstrated a FireStorm™ 40mm 4 barrel 24 shot remote weapons system mounted to an iRobot® 710 Warrior® unmanned ground vehicle for a crowd control and road clearing demonstration.

The trial culminated in Metal Storm's FireStorm™ producing a series of live fire volleys in semi-automatic fire modes. The less lethal frangible nose ammunition delivered both blunt force trauma and a simulated irritant accurately to each target.

On the video the viewer will see projectiles accurately hit the target producing a cloud of simulated irritant, while the plastic sabot that protects each frangible nose splits and falls away harmlessly as each projectile leaves the barrel.

Metal Storm Inc. (MSI) General Manager Peter D. Faulkner said that participating in the event was important as it allowed a broad, influential international military audience to see what the technology was capable of. "Public demonstrations of this type are important to us as they allow potential customers to see firsthand, the maturity and readiness of our products in an operationally relevant environment," said Faulkner.

Metal Storm Limited CEO Dr Lee Finniear lauded the iRobot team for the successful outcome.

"Our work with iRobot since 2007 has been very productive for Metal Storm as it has allowed us to demonstrate FireStorm as a complete system solution. The companies have worked well together over the last two years, and we are proud to have worked with them once again on this exciting project."

## Defence Industry

### AT Military Computers



AT Electronic and Communication International is

proud to release comprehensive range of Military Computers, Notebooks and Displays for use in tactical environments.

Systems are available for portable, fixed and vehicular mounted operations and are compatible with a range of computer peripherals. Each system manufactured undergoes a series of stringent performance and environmental tests to ensure a consistent quality product suitable for rugged environments.

- Military Computer System MLCOMM-4000  
Build-in 1553 Bus A & B ,Build-in RS232 / RS422 ,Build-in CF card slot ,All housing safety angle design
- Military Notebook MLCOMM 10MMK  
Plug & Play (no software or drivers required) Built-in Smart Pad Touchpad with Left & Right mouse buttons:-use 1 finger to activate Left click -use 2 fingers to activate Scroll-use 3 fingers to activate Right click 77 keys with Embedded Numeric Keypad
- Military Computer MLCOMM-11M  
Build-in 1553 Bus A & B 10.4" LCD low Power 10.4" LCD low Power , Intel® Pentium® M 1.6GHz CPU
- Military Panel PC MLCOMM-15M  
15" LCD Low Power, Intel® Pentium® M 1.6GHz CPU DDR 266/200 SO-DIMM memory up to 2GB LCD bonding with no air gap design Resistive touchscreen solution
- Military Monitor MLCOMM-1004  
Strengthen of the anti-reflection glass: 6H No steam & air between glass and LCD design Absolutely Sunlight readable
- Military Multi Mission Monitor MLCOMM-17K  
Low Reflection through Anti-Reflection Technology Wide Temperature Range All housing is IP65 waterproof
- Military Monitor MLCOMM-2000  
Low Reflection through Anti-Reflection Technology Design in Safety Angle and Handlers Wide Temperature Range Optical bonding technology
- Rugged Panel PC MLCOMM 07  
7" Wide screen with resistive touchscreen function Fanless cooling design All Housing IP64 protection
- Military Monitor MLCOMM 7850  
Provide extra DC9V power to external thermal Camera Strengthen of the anti-reflection glass: 7H Optical LCD bonding design. Absolutely Sunlight readable

**Contracts**

**Navistar Defense to Retrofit 1,222 MRAPs with DXM Independent Suspension**



WARRENVILLE, Ill., -- Navistar Defense, LLC received a \$178 million contract today to retrofit 1,222 International® MaxxPro® Dash Mine Resistant Ambush Protected (MRAP) vehicles with

the DXM™ independent suspension.

The order from the U.S. Marine Corps Systems Command calls for the vehicles to be upgraded in theater with suspension kits.

“Today’s warfighters require both high survivability protection and off-road mobility to complete their missions safely,” said Archie Massicotte, president, Navistar Defense. “The addition of the DXM suspension helps bridge both those capabilities on the MaxxPro Dash while the suspension’s design also allows for quick vehicle integration and rapid delivery.”

MaxxPro Dash vehicles will be retrofitted in theater with the DXM solution provided by Hendrickson Truck Suspension Systems and AxleTech International. Under the contract, retrofits are scheduled to begin by the end of April with work to be completed by the end of March 2011. Navistar is coordinating the installation of the DXM retrofits with the Joint Program Office. Currently, the company has more than 275 field service representatives (FSRs) in Iraq and Afghanistan to provide in-theater vehicle support for the MaxxPro fleet.

“Our continued efforts to improve performance paired with our manufacturing capability allow us to deliver the most advanced equipment to those who need it most - when they need it,” said Bob Walsh, vice president, Navistar Defense. “Navistar is also prepared to retrofit the remaining MaxxPro fleet, as well as the Afghan National Army and Afghan National Police vehicle fleets with DXM kits and rolling chassis if needed.”

The award follows the company’s contract announced February 16 to provide 1,050 enhanced MaxxPro Dash vehicles. To date, the company’s total MaxxPro MRAP orders equate to 7,494 vehicles. Approximately 2,272 vehicles in the MaxxPro fleet will be enhanced with the DXM independent suspension solution. Additionally, Navistar has provided more than 8,100 International® 7000 Series vehicles to the Afghan National Army and Afghan National Police.

**Defence Industry**

**BAE Systems Engineers Deliver on FRES Demonstrator Contract for UK MoD**



Farnborough, UK -- The BAE Systems FRES Scout contender and common base platform has completed mobility performance trials which verify it meets demanding UK Ministry of Defence growth targets for its top-priority FRES SV programme.

BAE Systems engineers completed initial proving tests at the vehicle's planned 40.4 Tonnes gross vehicle

weight. It was put through a series of trials which proved that its drive train, brakes and suspension components operate as predicted, verifying the inherent growth potential of the CV90 platform.

The demonstrator will go on to complete endurance trials during March of this year as required by the UK MoD FRES risk mitigation contract.

The trials have shown that the BAE Systems FRES Scout contender can successfully operate with well over 15 tonnes of add-on protection.

"These trials, in common with every other aspect of our bid, were designed to provide hard evidence to show that we can meet MoD requirements within the timescale our soldiers deserve," said Chief Engineer Malcolm Robinson. "All along we have taken a rigorous test-based approach with sound engineering to back up our claims, including investing five years and BJ50m in world-beating turret technology for FRES Scout and the related Warrior upgrade programme to deliver the best solutions for the British Army."

operational needs around the world.

## Defence Industry

### New contract for more armoured fighting vehicles



A contract which will lead to the delivery of a new fleet of medium weight armoured fighting vehicles has been announced by Defence Secretary Bob Ainsworth today, Monday 22 March 2010.

The first tranche of the Specialist Vehicle (SV) programme should deliver around 600 vehicles to the front line, with the possibility of further purchases in the future.

The Ministry of Defence has selected General Dynamics UK as the preferred bidder for the demonstration phase of the new SV programme.

This will include development of Scout, the principal reconnaissance vehicle that will replace the Scimitar vehicle currently deployed in Afghanistan.

The Specialist Vehicle fleet will provide improved protection against a wide range of threats and bring significant benefits to the Army, including greater firepower, longer range sensors and sighting systems and a higher level of reliability.

Under the proposed solution, around 70 per cent of the work on the vehicles would take place in the UK, which would ensure the creation or sustainment of over 10,000 British jobs within the armoured vehicle sector.

The announcement of the first of the Specialist Vehicles comes after the commitment to order an initial batch of 200 new Light Protected Patrol Vehicles (LPPVs) for Afghanistan.

The LPPVs being assessed by the MOD are at the cutting-edge of technology, providing the right balance between protection, weight and manoeuvrability required by our Armed Forces on operations in Afghanistan. Defence Secretary Bob Ainsworth said:

"I am pleased to announce the successful outcome of the Specialist Vehicle competition. This represents a very important milestone towards replacing the ageing CVR(T) [Combat Vehicle Reconnaissance (Tracked)] and is one of the highest equipment priorities for the Army.

"In addition, the development of the Common Base Platform will enable the delivery of further vehicles to meet requirements informed by the outcome of the Strategic Defence Review.

"We are determined to provide the Armed Forces with the capabilities they require, and the Specialist Vehicle

## Contracts

### Oshkosh Defense Awarded \$11.9 Million Delivery Order to Supply United Arab Emirates With HEMTT A4s

OSHKOSH, Wis. -- Oshkosh Defense, a division of Oshkosh Corporation, has received a delivery order from the U.S. Army TACOM Life Cycle Management Command (TACOM LCMC) to supply more than 40 next-generation Heavy Expanded Mobility Tactical Trucks (HEMTT) to the United Arab Emirates.

The delivery order, valued at \$11.9 million, is part of the UAE's Patriot Advanced Capability (PAC)-3 missile systems purchase approved by the U.S. Congress. The HEMTT variants included in this contract are the Patriot tractor, wrecker and guided missile transporter. The vehicles will be built and delivered July through September 2011. The order was issued under the Army's Family of Heavy Tactical Vehicles (FHTV) III contract.

"Our HEMTT A4 variants included in this order will provide transportation, resupply and recovery support for the PAC-3 missile systems," said Andy Hove, Oshkosh Corporation executive vice president and president, Defense. "Oshkosh Defense's high-performance vehicles meet the durability, mobility and payload-capacity needs of militaries worldwide and thrive in the most demanding environments."

The HEMTT A4's advanced suspension, more powerful engine, air-conditioned cab and anti-lock brakes, in addition to the vehicle's 13-ton payload capacity and off-road capabilities, will provide exceptional support to the UAE armed forces. Oshkosh Defense's UAE-based facilities will supply regional aftermarket support services.

Along with vehicles such as the SandCat and Global Heavy Equipment Transporter (HET), the HEMTT A4 is part of Oshkosh Defense's full line of international vehicles designed to meet a variety of logistical and



decision follows the announcement of our commitment to order an initial batch of 200 LPPVs that we will get to Afghanistan as quickly as possible."

The SV and the LPPV will add to the vast array of vehicles available to commanders which include the heavy protected vehicles such as Mastiff, medium protected vehicles such as Husky, Ridgback and Panther, and lighter vehicles like Jackal.

Chief of Defence Materiel, General Sir Kevin O'Donoghue, said:

"Today's announcement marks an important step in the Specialist Vehicle programme. The Scout is one of the Army's highest equipment priorities and will be the cornerstone of its reconnaissance capability. To have reached this point in a complex programme so soon after the assessment phase began in summer 2008 reflects highly on the Defence Equipment and Support staff involved."



### Defence Industry

#### General Dynamics UK team awarded contract to deliver Specialist Vehicle for British Army



London -- General Dynamics United Kingdom Limited has been selected by the Ministry of Defence to provide the next generation of armoured fighting vehicles to the British Army.

London -- General Dynamics United Kingdom Limited has been selected by the Ministry of Defence to provide the next generation of armoured fighting vehicles to the British Army. The MoD has chosen General Dynamics' ASCOD SV tracked vehicle as the winning design for the demonstration phase of the Specialist Vehicle competition, providing both the Scout variant and the Common Base Platform for up to 580 SV vehicles. ASCOD SV is the latest generation of a proven European design which has been significantly redesigned by General Dynamics' UK engineering team, and will provide unparalleled military capability for the British Army over the 30 years of the vehicles' life.

"The General Dynamics UK team won this competition to provide the British Army with its next generation of Armoured Fighting Vehicles (AFV) because it is the best vehicle for the British troops," commented Dr. Sandy Wilson, President and Managing Director of General Dynamics UK. "We offered the best integrated solution, the best growth potential over the 30-year life of the vehicle, the best value for money for

the British taxpayer and the best deal for the UK Industrial base.

The ASCOD SV programme is British to its bootstraps, delivering a Military off the Shelf vehicle with British design by British engineers to the British Army while safeguarding or creating 10,600 jobs for British workers."

British troops using the ASCOD SV will have the best protection available in this vehicle class, both as it is delivered and as it grows to meet future threats. The vehicle will be immediately capable of delivering load-carrying growth potential of up to 42 tonnes thanks to a modern, proven drivetrain. This means that ASCOD SV is capable now of being equipped to meet future threats likely to appear over its entire 30 year life, without the need to upgrade its engine or transmission during that time. Finally, 80% of ASCOD SV's full rate production will be based in the UK, securing or creating over 10,600 jobs for British workers.

These new jobs will be secured or created over the duration of the SV programme in South Wales where General Dynamics UK is based, Scotland, the North of England, the North West, the East and West Midlands, and the East and South of England. General Dynamics UK has sub-contracted Lockheed Martin UK INSYS to produce the turret of the Scout variant of ASCOD SV, and will transfer full rate production of the entire ASCOD SV programme to DSG in Donnington, ensuring 80% of ASCOD SV production happens in the UK.

Lord Peter Levene, Chairman of General Dynamics UK Limited said: "We are delighted that the MoD has selected ASCOD SV for its SV programme, a decision we believe will sustain the British tank industry for future generations. We are confident that the decision will, most importantly, provide the best protection for British soldiers, as well as provide both the greatest long-term value and the best military capability for the UK Government and the MoD. We look forward to delivering this contract in partnership with the MoD for the benefit of Britain's armed forces."



### Training And Simulators

#### Cubic to Build Turret Crew Stations for Bradley Fighting Vehicle Simulator

Orlando, FL. -- A defense unit of Cubic Corporation has received close to \$13 million in contracts to design and manufacture turret crew stations for a new virtual trainer that simulates the Bradley Fighting Vehicle.

Cubic's Orlando-based Simulation Systems Division will initially supply hardware for 15 mobile and nine fixed-site Bradley Conduct of Fire - Situational Awareness systems to Oasis Advanced Engineering, prime contractor for the program. Deliveries are scheduled to begin in May 2011.

Under contract to the U.S. Army Program Executive Office for Simulation, Training and Instrumentation

(PEO STRI), Oasis has options to deliver as many as 114 systems to train National Guard soldiers on critical combat gunnery skills over a four-year period.

The United States has deployed nearly 7,000 Bradley Fighting Vehicles since they were first produced in 1981. Intended to carry troops at high speeds or to conduct scouting missions, the tank-like tracked transports have specialized armor to protect the occupants, and are equipped with significant weaponry -- TOW anti-tank missiles, a 25mm cannon and a machine gun -- to suppress enemy troops and armored vehicles.

The Bradley trainers are part of an ongoing Army initiative to improve training and reduce risks on the battlefield.

"It's training that helps the Bradley Commander/Gunner team better prepare for the adversity of combat situations," said Mike Hoffman, program manager for Cubic.

Cubic's simulated crew stations will consist of high-fidelity physical components combined with a robust visual subsystem that provides FLIR, Day TV, and direct-optic views of the synthetic environment. Heavy Brigade Combat Team Gunnery Manual training methods and scoring are facilitated by the training systems.

### Defence Industry

#### Oshkosh and GD Team for Canadian Wheeled Vehicle Programs

Oshkosh, Wis. & London, Ontario -- Oshkosh Defense, a division of Oshkosh Corporation, and General Dynamics Land Systems-Canada have finalized an agreement that will team the two companies in pursuit of two Canadian Department of National Defence (DND) wheeled vehicle programs, the Tactical Armoured Patrol Vehicle (TAPV) and the Standard Military Pattern (SMP) portion of the Medium Support Vehicle System (MSVS).

General Dynamics Land Systems, the Canadian company's parent corporation, is a business unit of General Dynamics.

The TAPV program will replace the Armoured Patrol Vehicle (APV) and the Coyote reconnaissance vehicle, and the MSVS program will replace the Medium Logistics truck fleet. The new programs will enhance the capabilities of the Canadian Forces with protected, high-performance vehicle fleets.

"We couldn't be happier that we are teamed with General Dynamics Land Systems-Canada, a proven leader in designing and supporting Canadian land systems," said Ron Ziebell, vice president and general manager, International Programs, Oshkosh Defense. "The superior offerings we can provide with General Dynamics Land Systems-Canada made our cooperation the obvious choice as we considered how best to serve the DND soldiers. General Dynamics Land Systems-Canada has a significant Canadian presence, which will allow for localized, Canada-based

sustainment of these two programs in our effort to provide true complete lifecycle support of these programs."

"Oshkosh Defense vehicle platforms have proven, world-class performance capabilities and they push the engineering envelope to deliver the best tactical wheeled vehicle fleets in the field," said Dr. Sridhar Sridharan, senior vice-president of General Dynamics Land Systems-Canada. "We are pleased to be working with a company that can help deliver the survivable, off-road capable and technologically advanced vehicles that the Canadian Forces need for both the MSVS and TAPV."

### Contracts

#### Contract Valued at MNOK 243 for the CROWS Programme

KONGSBERG has booked an order valued at a total of MNOK 243 from the US Army.

The order is part of the NOK 8 billion Common Remotely Operated Weapon Stations (CROWS) framework agreement signed in August 2007.

CROWS is a joint acquisition programme for weapon stations for the US Army's vehicle programmes. A common solution will result in substantial efficiency gains in respect of protection, training, support and further development.

### Contracts

#### GD Awarded \$37 M for Abrams Tank System Technical Support

Sterling Heights -- General Dynamics Land Systems, a business unit of General Dynamics, has been awarded \$37 million for Abrams Tank Systems Technical Support (STS) by the U.S. Army TACOM Lifecycle Management Command of Warren, Mich.

The award will fund engineering studies on Abrams main battle tanks to identify improvements and replace obsolete parts to maintain the tanks at high operational readiness rates. The work will be performed by existing General Dynamics Land Systems personnel in Sterling Heights, Mich. It is expected to be completed by Dec. 19, 2011.

### Future Technologies

#### BAE Systems to Develop Hydrogen Fuel Cell Bus for SunLine Transit

THOUSAND PALMS, California -- BAE Systems plans to develop a zero-emissions bus for a Southern California regional transit agency under a project to demonstrate the commercial feasibility of fuel cell technology.

Under a planned work effort, the company will serve as systems integrator to deliver the vehicle to SunLine

Transit in an effort funded by the Federal Transit Administration, CALSTART, California Air Resource Board, and California South Coast Air Quality Management District.

The fuel cell bus, which will use no fossil fuel, will demonstrate technology that can reduce dependence on diesel fuel and compressed natural gas. It is scheduled for delivery in December 2011.

"This new-generation fuel cell bus is the result of a true partnership with SunLine Transit Agency, CALSTART, bus manufacturer EIDorado National (California) Inc., Ballard Power Systems, and the Federal Transit Administration, and continues BAE Systems' ongoing development of environmentally friendly, heavy-duty vehicles," said Rich Hopf, general manager of vehicle systems for BAE Systems. "We look forward to furthering our work as a systems integrator and showcasing the evolution in technology from partial to zero emissions."

C. Mikel Oglesby, General Manager, SunLine Transit Agency said, "SunLine is extremely pleased to join in the partnership for the demonstration of the new-generation fuel cell bus that will help to advance the commercialization of this technology in transit operations."

The bus developed under the program will use a fuel cell module supplied by Ballard Power Systems as the main power plant, combined with BAE Systems propulsion and power management systems to propel a 40-foot transit bus. It will help form the basis for a clean, commercially viable hydrogen-powered transit bus that eliminates fossil fuel-consumption and the associated greenhouse gas emissions.

The new vehicle is based on BAE Systems' HybriDrive propulsion system, used by transit agencies across the U.S., Canada and in the UK. The demonstration vehicle will use an advanced lithium-ion-based energy storage system that increases battery life and substantially reduces vehicle weight. The battery system, which will augment the fuel cell, is self-monitoring for easy service and reduced maintenance costs.

BAE Systems is a leading producer of efficient, low-emission hybrid electric propulsion systems for transit buses. HybriDrive propulsion technology has been in daily revenue service on buses in New York and other cities since 1998. More than 2,500 buses use HybriDrive technology to carry more than a million passengers daily.

To date, these buses have traveled more than 150 million miles, saved 10 million gallons of diesel fuel, and prevented more than 100,000 tons of carbon emissions.

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## Defence Industry

### Textron Completes Phase II ASV Reset Program

New Orleans, LA. -- Textron Marine & Land Systems, an operating unit of Textron Systems, a Textron Inc. company, today announced the successful completion of its Phase II Armored

Security Vehicle (ASV) reset program with the United States Army Tank-automotive and Armaments Command (TACOM).



The Phase II contract to reset 12 M1117 ASVs was completed in 120 days at the company's Slidell, La. manufacturing facility and at a reduced cost per vehicle compared to the Phase I resets.

The reset process restores battle-damaged and worn vehicles to combat-ready condition. In addition to the reset of the vehicles, an objective achieved in Phase II of the program was to establish manufacturing processes to enable the implementation of a future full-rate reset program.

"We made significant cost improvements with this Phase II reset contract, in spite of the fact that 10 of the 12 vehicles inducted into the program had suffered structural damage," said Textron Marine & Land Systems General Manager Tom Walmsley. "We took full advantage of our experienced Original Equipment Manufacturer (OEM) team, supply chain excellence, process improvement initiatives, facilities and tooling to streamline the ASV reset process and get these vehicles back into the hands of the warfighter as quickly and efficiently as possible."

Textron Marine & Land Systems is currently working with M1200 Armored Knight prime contractor DRS Sustainment Systems Inc. for the ongoing Armored Knight reset program. The Armored Knight is a derivative of the ASV outfitted with a laser targeting system for the U.S. Army Field Artillery Combat Observation and Lasing Teams (COLT).

"We look forward to the opportunity to continue this reset program with additional ASV and Armored Knight vehicles in the near future," said Walmsley. "The ASV has proven itself in numerous combat missions as a versatile platform providing exceptional protection, mobility and reliability."

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## Training And Simulators

### Northrop Grumman Awarded U.S. Army Joint Fires Training Contract

HERNDON, Va. -- Northrop Grumman Corporation, as part of a team, has been awarded a contract by the U.S. Army to provide training development, instruction and analysis to artillery observers and electronic warfare specialists at the Joint Fires Center of Excellence (COE) in Fort Sill, Okla.

Northrop Grumman Technical Services is a subcontractor to Potawatomi Training LLC, Oklahoma City, for the program. The Joint Fires COE contract is an

indefinite delivery/indefinite quantity contract with a potential value of more than \$250 million over five years.

The Joint Fires COE provides training to all the military services emphasizing planning, coordinating and executing fires support in a joint operations environment. Northrop Grumman will provide training, training development and training analysis for joint fires courses at the COE.

"The Northrop Grumman team is mission-driven and dedicated to the success of the Joint Fires Center of Excellence," said Stephen Mitchell, program manager for the contract. "Northrop Grumman's performance culture ensures that we incorporate the latest proven tactics, techniques and procedures into the planning and execution of world-class training to our warfighters."

Northrop Grumman Corporation is a leading global security company whose 120,000 employees provide innovative systems, products, and solutions in aerospace, electronics, information systems, shipbuilding and technical services to government and commercial customers worldwide.



## Contracts

### BAE Systems Awarded BJ135 million Artillery Production Contract



KARLSKOOGA, Sweden -- BAE Systems has been awarded a BJ135 million (\$200m) contract to commence series production of 48 Archer 155mm self-propelled artillery gun systems and their associated ammunition handling systems for the Swedish and Norwegian armed forces.

The first operational systems are expected to be delivered in October 2011 and production will continue over the following two years. This production contract follows a BJ100m (\$146m) development programme which began in 2003.

Mike Smith, managing director of BAE Systems, Global Combat Systems Weapons said: "Archer is an important programme for the armed forces of both countries and for BAE Systems' land business, as it is in a core area for us and will provide a springboard for future exports. We appreciate the effort and cooperation that the FMV and FLO – the national procurement agencies - have invested in ensuring the procurement of the most advanced and capable artillery system for the

Swedish and Norwegian armies."

Archer is an advanced and automated artillery gun system in production, designed for rapid deployment and high mobility in the most demanding operational scenarios. The digital fire control system and automatic gun-laying capability allows a response to calls for fire within 30 seconds while the ordnance is securely stowed and ready for rapid redeployment within 30 seconds of the completion of a fire mission.

The Archer system combines the proven firepower of the BAE Systems' FH77 B05 52 calibre cannon with a modified Volvo commercial A30E 6x6 rugged articulated vehicle. The weapon provides an enhanced operational capability, delivering concentrated firepower with conventional munitions to a range of 40 km+ and to ranges up to 50km with advanced munitions while the crew of three remains fully protected in the armoured cab command module.

The Archer system is based on well-proven sub-systems and can fire a full range of western standard munitions many of which have been developed entirely by BAE Systems or in conjunction with international partners, such as the BONUS projectile, dispensing precision targeting sub-munitions or the highly effective Excalibur precision guided round.

The Archer production go-ahead follows another green light this week for a BAE Systems bi-national collaboration on an advanced weapon system. On Monday the UK Ministry of Defence confirmed that the Anglo-French CTA weapons system was mandated for the FRES SV and Warrior upgrade programmes.



## Defence Industry

### BAE Systems Hands Over Last Viking MK2 to Uk Ministry of Defence

Ashchurch, United Kingdom. -- The UK Ministry of Defence (MoD) has taken delivery on time of the last of 24 BvS10 Viking Mk 2 mine-protected vehicles ordered from BAE Systems in July last year. The vehicles will be deployed to Afghanistan in the near future.

The fast-moving BJ21m programme was a response to new threats from insurgents in Afghanistan. The original more lightly armoured go-anywhere BvS10s - known as Vikings in British service - proved extremely successful because of their ability to provide the element of surprise in carrying the fight to the enemy. Before long they came under attack from improvised explosive devices and in response they were fitted with extra armour in Afghanistan under an urgent operational requirement.

Lessons learned from this urgent response were quickly incorporated into the parallel Mk 2 development programme which resulted in a vehicle with much-improved levels of protection, a larger and more powerful engine, and a bigger alternator which gives more electrical power. The steering unit has also been improved along with uprated suspension and brakes. Despite the extra armour, the Mk 2 fulfils all the original

Viking requirements, such as the ability to swim.

At the handover ceremony this morning, BAE Systems vehicles managing director Jan Stöderström commented: “The speed and success of this programme shows what close co-operation between determined partners can achieve. The MoD’s Defence Equipment & Support organization, the Defence Science & Technology Laboratory, our suppliers and BAE Systems worked together as one team, pooling complementary skills.

“The Mk2s will be a part of a coherent all-terrain vehicle fleet with a full support package in place to minimise the logistic footprint. The development was carried out under BAE Systems funding but this could not have been done without a collaborative, open relationship between all involved.”

France became the second customer for the BvS10 Mk2 in December last year when it ordered 53 vehicles. Deliveries for that order have begun. With options, the total value of the contract could reach €220 million for 129 vehicles. The Dutch bought 74 of the earlier BvS10 in 2005.

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### Defence Industry

#### Oshkosh Defense Awarded \$41 Million for M-ATV Protection Kits

OSHKOSH, Wis. -- Oshkosh Defense, a division of Oshkosh Corporation, has received an order valued at more than \$41 million from the TACOM Life Cycle Management Command (LCMC) to supply more than 1,000 add-on rocket-propelled grenade (RPG) protection kits for the MRAP All-Terrain Vehicle (M-ATV).

Timing for the work is expected to be completed by September 2010 and installation will occur in theater.

“The M-ATV provides exceptional protection capabilities for our Armed Forces in Afghanistan,” said Kenneth G. Juergens, Oshkosh Corporation vice president and general manager, Joint Programs, Defense. “These add-on RPG kits are being delivered to further bolster the security of our men and women in uniform and ensure that they continue to have the best protection available as they carry out their missions. We are committed to providing a robust aftermarket parts support program to meet our Warfighters’ needs in the field.”

Delivery of the RPG kits is one element of the complete spectrum of service and support Oshkosh Defense provides for the M-ATV fleet in the Afghan theater. The company also deploys in-theater field service representatives (FSR). Oshkosh FSRs operate service facilities at forward operating bases that require additional training or more support than internal assets can provide.

The Oshkosh M-ATV features the survivability and off-road mobility capabilities needed to operate in places like Afghanistan. To date, Oshkosh has received awards valued at more than \$4.75 billion for 8,079 M-ATVs, as well as spare parts kits, upgrade kits and aftermarket

support. Oshkosh received the M-ATV contract award and its first delivery order in June 2009. The company quickly ramped up manufacturing to unprecedented levels, producing more than 1,000 vehicles per month as of December 2009.

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### Defence Industry

#### MBDA and UK MOD Agree Long Term Partnering Arrangement for Supply and Support of Complex Weapons



MBDA is pleased to announce it has agreed a long term partnering arrangement with the UK MOD for the development and supply of new Complex Weapons (CW) to the UK Armed Forces to counter current and future threats. Under the interim Portfolio Management Agreement (PMA-I), MBDA will lead the transformation of the UK’s CW capability through the management of a portfolio of projects potentially worth up to BJ4Bn over the next 10 years. As part of this arrangement, MBDA has signed a contract, worth BJ330M, for the first package of projects focussed on deployment of new military capabilities into Afghanistan. Over the next 10 years, as further military capabilities are added, this portfolio approach will deliver BJ1.2Bn of efficiencies for the UK MOD.

The initial contract will see MBDA deliver unique weapons capabilities that are directly relevant to today’s war fighting environment; Fire Shadow Loitering Munition (LM) for the British Army and Selective Precision Effects At Range (SPEAR) Capability 2, Block 1, for Royal Air Force fast jets, with both projects now moving into their respective Demonstration and Manufacturing Phases. The contract also requires MBDA to carry out further Assessment Phase work on SPEAR Capability 3 to equip the Joint Strike Fighter and Future Local Area Air Defence System (FLAADS) to equip the Royal Navy’s Future Surface Combatant. This is in addition to the ongoing Assessment Phase on Future Anti-Surface Guided Weapon/Anti-Navire L<sup>o</sup>ger (FASGW/ANL), in cooperation with the DGA, to equip UK and French naval helicopters.

The interim PMA is the culmination of MBDA and UK MOD joint working since the launch of Team CW in 2006 to transform the procurement arrangements for Complex Weapons to reflect the principles of the Defence Industrial Strategy and Defence Acquisition reform. MBDA has focused relentlessly on demonstrating that this new approach is affordable, responsive and flexible to the needs of the UK MOD

whilst ensuring the very best in complex weaponry is made available to UK Armed Forces.

Steve Wadey, MBDA Executive Group Technical Director and Managing Director UK, responding to the good news, said:

“Complex Weapons are a fundamental component of UK military capability, providing our Armed Forces and their platforms with the assured battle-winning edge in operations. The Portfolio Management Agreement represents a major milestone and sets a benchmark for partnering between UK MOD and industry. MBDA will work together with UK MOD to transform the way these weapons are supplied and supported to deliver the best equipment to the front line, best value for money to the taxpayer and sustain a healthy UK industrial base.”

### Contracts

## Harris Receives \$74 M for JTRS-Approved Falcon III Tactical Radio Systems

Rochester, NY. -- Harris Corporation, an international communications and information technology company, has received additional orders totaling \$74 million to supply JTRS-approved Falcon III(r) AN/PRC-152(C) multiband handheld radio systems in vehicular amplifier adapters to the U.S. Department of Defense for use in Mine Resistant Ambush Protected All-Terrain Vehicles (M-ATVs).

These orders represent a follow-on to the \$119 million order announced January 6, 2010.

The Falcon III AN/PRC-152 was selected to provide MRAP users with Demand Assigned Multiple Access (DAMA) satellite communications interoperability. The radio serves as the handheld transceiver in the Falcon III(r) AN/VRC-110 vehicular amplifier adapter system.

### Contracts

## German Army Orders 41 DINGO 2



Munich -- The DINGO 2 has already been successfully tried and tested in numerous international missions, including in Bosnia, Kosovo, Afghanistan and Lebanon.

Next to Germany it is also used by Austria, Belgium, Luxemburg and the Czech Republic. The Federal Office of Defence Technology and Procurement (BWB) has now ordered a further 41 of these heavily-protected personnel and material carrier from Krauss-Maffei Wegmann (KMW), which the German Army will deploy in Afghanistan. The leading European manufacturer for

protected wheeled and tracked vehicles will deliver the 41 DINGO 2 to the troops even before the end of the year.

### Fast delivery

"This short delivery period underlines the flexibility and industrial performance of Krauss-Maffei Wegmann", says Frank Haun, CEO and Chairman of the Board of KMW.

### DINGO 2 considered the best-protected wheeled vehicle

The DINGO 2 is currently considered the best protected wheeled vehicle in the world, and offers its crew of up to eight members what is now the highest level of protection available in its class against modern small arms, artillery shrapnel, anti-personnel and anti-tank mines, improvised explosive devices (IEDs) and against NBC warfare agents. All 41 vehicles are equipped with a light weapons station of the type FLW 100 as defensive weaponry, which, if need be, can carry different sets of armaments (e.g. machine guns). This is operated by remote control by the vehicle crew from inside the protected crew compartment, and can be used with the utmost precision and control even when driving fast through difficult terrain.

The DINGO is available in different mission configurations, including patrol, mobile command post, NBC reconnaissance and armoured ambulance. The protection and safety standards of the DINGO 2 apply to all variants. The all-terrain UNIMOG chassis of the DINGO 2 allows all vehicle configurations to reach a maximum speed of 90km/h and a cruising range of approximately 1,000km. Furthermore, it can be deployed by transport aircraft such as the C-160 Transall, C-130 Hercules and the A400M in all configurations.