

# Army Guide monthly



## # 9 (120) September 2014

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## Defence Industry

### GD UK awarded GBP 3.5 Bn to deliver 589 SCOUT SV platforms to the British Army



General Dynamics UK has been awarded a contract by the UK Ministry of Defence (MoD) to deliver 589 SCOUT Specialist Vehicle (SV) platforms to the British Army to provide essential capability to the Armoured Cavalry within Army 2020.

The platforms, consisting of six variants, will be delivered to the British Army between 2017 and 2024, alongside the provision of initial in-service support and training, and will serve at the heart of the Armoured Infantry Brigade structure.

SCOUT SV represents the future of Armoured Fighting Vehicles (AFV) for the British Army, providing best-in-class protection and survivability, reliability and mobility and all-weather intelligence, surveillance, target acquisition and recognition (ISTAR) capabilities. Its range of variants will allow the British Army to conduct sustained, expeditionary, full-spectrum and network-enabled operations with a reduced logistics footprint. SCOUT SV can operate in combined-arms and multinational situations across a wide-range of future operating environments.

Prime Minister David Cameron said: "I'm delighted that on the eve of the NATO Summit, we can announce the biggest single contract for AFVs for the British Army since the 1980s. These new vehicles are testament to the world class engineering skills in South Wales and across the UK, helping to create the Army's first fully digitalised armoured vehicles. Not only will they be crucial in helping to keep Britain safe, they will also underpin nearly 1,300 jobs across the UK and showcase the strength of the UK's highly skilled defence sector. With the second largest defence budget in NATO, meeting NATO's two per cent of GDP spending target and investing in new capabilities to deal with the emerging threats we are ensuring Britain's national security, staying at the forefront of the global race and providing leadership within NATO."

Secretary of State for Defence, the Rt Hon Michael Fallon MP said: "Today's multi-billion pound contract is fantastic news for our soldiers in providing them with the most technologically advanced and versatile AFVs to overcome future threats. This is the biggest single order placed by the MoD for armoured vehicles for around 30 years and is an important part of the investment we are making to keep Britain safe. It is also excellent news for

the supply chain of this state-of-the-art vehicle and will sustain 1,300 engineering jobs across the UK in key defence industries."

Kevin Connell, Vice President General Dynamics UK – Land Systems, said: "We are delighted that the UK MoD has awarded us this important contract. SCOUT SV provides essential capability to the British Army to allow it to dominate the battle space for years to come and it secures thousands of jobs right across the UK for at least the next decade. General Dynamics UK and our partners have worked hard over the last four years to develop a world-leading vehicle, and we will maintain that same work ethic to deliver 589 SCOUT SV platforms to the British Army on-time and on-budget."

SCOUT SV has been developed at General Dynamics UK's AFV design and engineering centre in Oakdale, South Wales, maintaining the UK's sovereign expertise in this important capability.

## Defence Industry

### Introducing the new CV90 STING



BAE Systems PLC recently delivered the first CV90 STING vehicle to the Norwegians at the company's Urnskuldsvik facility in Sweden.

The delivery of the STING, an engineering variant of the CV90 vehicles, is the latest milestone for the program.

"We have been working extremely closely with BAE Systems Högglunds over the course of 26 months with this comprehensive contract," said Colonel Ragnar Wennevik, Programme Manager Norwegian Defence Logistics Organization Land Systems. "Over the past six months, BAE Systems has delivered two of the five planned variants of the Norwegian CV90 fleet in a timely manner."

BAE Systems was awarded the contract in June 2012 to upgrade and deliver a total of 144 CV90 vehicles to the Norwegian Army. The first CV90 IFV, an infantry fighting variant, was delivered in February of this year.

Under the CV90 contract to Norway, BAE Systems will deliver five vehicle variants, including 74 infantry fighting, 21 reconnaissance, 15 command, 16 engineering, 16 multi-role and two driver training vehicles. The multi-role vehicles are designed to undertake different functions, including mortar carrier and logistics roles.

Norwegian Industry is playing a major role. One partner is Kongsberg Defence & Aerospace, which leads a team of Thales and Vinghuug. Another partner is Ritek

AS from Levanger responsible for production of the engineering vehicle.



## Exhibitions

### Izhevsk Electromechanical Plant Kupol, JSC will present models of the latest air defense missile systems of the Tor family at international exhibition Africa Aerospace and Defense 2014



Izhevsk Electromechanical Plant Kupol, JSC will present models of the latest air defense missile systems of the Tor family at international exhibition Africa Aerospace and Defense 2014, Pretoria. It is the first time our company presents full spectrum of Air Defense facilities of ADM system Tor at the main exhibition area of South Africa.

The 8th International exhibition of aerospace and defense industry is held biannually. Exhibitors from 26 countries took part in the exhibition in 2012, they presented modern technologies, equipment, special transport vehicles for all streams of defense industry and civil aviation.

JSC IEMP Kupol will take part in the exhibition for the first time and will present models of the latest air defense missile systems (ADMS) Tor-M2E on tracked chassis, Tor-M2K on wheeled chassis and stationary modular version Tor-M2KM.

Short range ADM systems of Tor family are effective against all present air threats as low-flying, active maneuvering air targets, gliding and guided aerial bombs, cruise, guided and antiradar missiles, unmanned aerial vehicles, aircrafts and helicopters. Systems have no counterparts among ADMS of this class. High level of automation allows tracking up to 48 targets and determining 10 main threats among them. In comparison with the previous version of ADMS (Tor-M1), number of guided missiles for simultaneous engagement of targets were increased from 2 to 4, also target acquisition range (from 25 to 32 km) and killing zone (from 12 to 15 km) were increased for more than a quarter.

ADMS of Tor family are easy to be integrated into modern air defense systems, maintaining the capability to operate independently. As a member of new generation of short range air defense facilities, the system features high efficiency against modern air threats mass attacks in counter-fire and radio electronic countermeasures environment.

Independent combat module Tor-M2KM - is the latest development with high reliability and efficiency. The

system is equipped with modern computing facilities and radars. Combat characteristics are totally equal to ADM systems Tor-M2E and Tor-M2K. Furthermore there is a possibility to mount the modular version on roofs of buildings and constructions, on difficult-to-access areas, on trailers and semitrailers, on railway platforms and even on low-tonnage vessels which can carry a load of more than 20 tonnes. Configuration of the module allows transportation on external load of the helicopter Ми-26Т and its analogs. ADMS Tor-M2KM is capable to be mounted on any chassis with sufficient load capacity, conforming in this way to any wishes of possible customer.



## Defence Industry

### BAE and Patria to Pursue Land 400 Opportunity



The two companies will work together to secure the anticipated Land 400 Phase 2 Defence program for the acquisition and support of a Combat Reconnaissance Vehicle (CRV), with BAE Systems as prime contractor.

Patria is the market leader of modern 8x8 wheeled armoured vehicles and is an ideal partner for BAE Systems. The team will work together to deliver a Patria 8x8 Armoured Modular Vehicle (AMV) solution to meet the needs of the Australian Defence Force (ADF).

Markku Bollmann, Senior Vice President, Land business unit, says, "Patria AMV combines high payload capacity and excellent mobility with the latest technology. The versatility of the modular design enables it to be tailored and continually developed to meet the needs of modern defence forces around the world.

"Patria AMV is a highly capable vehicle with strong sales track-record and in use by seven different nations in wide range of environments. The vehicle is combat-proven in the real mission environment."

Graeme Bent, BAE Systems Australia's Acting Director – Land & Integrated Systems, says, "We make a strong team. Patria has a proven track record of technology transfer to user nations, and BAE Systems has a long and proud history of building and supporting both tracked and wheeled military vehicles, here and overseas. Continued local support will enable the ADF to draw upon an established manufacturing base and our global network."

The two companies will now evolve their solution to the Commonwealth's CRV requirement before providing additional information around their tender solution.



## Defence Industry

## LM`s Havoc 8x8 Vehicle Aces Brutal Nevada Automotive Test Center Course



Lockheed Martin's Havoc 8x8 Armored Modular Vehicle successfully completed the Nevada Automotive Test Center's challenging Butte Mountain Trail course, one of the most severe off-road test tracks in the world. Teamed with Patria, Havoc is Lockheed Martin's entry in the U.S. Marine Corps' Amphibious Combat Vehicle (ACV) Phase I program.

The mile-long course has nearly 1,000 feet of elevation change and extremely rugged, rocky stretches that have damaged and disabled numerous vehicles over the years.

"Over the course of 10 days of testing, we performed more than 40 test runs up and down the mountain while demonstrating the vehicle's ride quality and crew comfort," said Scott Greene, vice president of Ground Vehicles at Lockheed Martin Missiles and Fire Control. "Not once did the Havoc fail. And we were told numerous times that this course has stopped many vehicles over the years, including tanks."

The testing, funded and conducted by Lockheed Martin, was undertaken to validate the company's solution to the Marine Corps' need for a survivable and robust wheeled, amphibious vehicle. The Marine Corps will conduct its own series of automotive, amphibious and protection tests of 16 Havoc vehicles once the ACV program is under way. The program's Request for Proposal is expected in early 2015.

"Our passengers were complementary of the Havoc's handling, ride quality, acceleration and braking throughout the demo while at a fully armored weight," said Patrick Shepherd, Havoc program manager at Lockheed Martin Missiles and Fire Control. "The most highly appreciated design features they noticed were how quiet the vehicle interior was and the smoothness of the Havoc ride throughout the demonstration."

Havoc is a highly protected multi-mission, fully amphibious expeditionary ground combat vehicle which represents an evolution of the Patria 8x8 Armored Modular Vehicle, a battle-tested design used by armed forces globally. The modular design allows a wide range of weapons, sensor and communications options to address evolving mission and affordability requirements. Havoc features exceptional mobility and transportability, and can provide protection against a variety of extreme threats.

For more than three decades, Lockheed Martin has

applied its systems-integration expertise to a wide range of successful ground vehicles for U.S. and allied forces worldwide. The company's products include the combat-proven Multiple Launch Rocket System (MLRS) M270-series and High Mobility Artillery Rocket System (HIMARS) mobile launchers, Havoc 8x8, Common Vehicle, Light Armored Vehicle-Command and Control, Warrior Capability Sustainment Programme, Joint Light Tactical Vehicle (JLTV) and pioneering unmanned platforms such as the Squad Mission Support System (SMSS).

