

PROGRAMMES AT A GLANCE: JUNE 2021

- 11 Programmes updated
- 1 New Programme

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Country Programme Name	Schedule Contractor Team	Recent Procurement Activity Notes
Australia: Land 53 	Procurement of night vision goggles, helmet mounts and other equipment approved. L-3	L-3 awarded a contract worth \$208 million by the Australian Defence Force under Phase 1BR of the programme in mid-November 2016. It will provide a range of systems, such as binocular night vision goggles and miniature laser rangefinders. The equipment is set to be delivered between 2017 and 2023, with the final materiel release set for March 2023 and final operational capability to be declared in September of that year.
Australia: Land 125 Phase 3C 	Thales Australia is the prime contractor manufacturing the Enhanced F88 rifle and supplying the Steyr Mannlicher-produced GLA.	This project is delivering a weapon system based on the Enhanced F88 rifle comprising a Grenade Launcher Attachment (GLA) and a suite of surveillance and target ancillaries, including an enhanced day sight and thermal and image-intensifier sights. A contract for the production of 30,000 Enhanced F88 rifles, 2,277 GLAs, repair parts and training aids was signed in July 2015. Deliveries commenced in August 2015 and will continue through to 2021. Surveillance and target ancillaries have been fully delivered. Deliveries of weapon systems into Queensland have been completed. Deliveries to units of the readying brigade primarily located in South Australia and the Northern Territory have commenced and will be completed in April 2019. Final Materiel Release is scheduled for December 2021, with Final Operational Capability in June 2022.
Australia: Land 125 Phase 4 (Army High Priority Capability Gaps - Next Soldier Enhancement)  	Safran, Nova Systems Australia & NZ and BAE Systems Australia have teamed to create Team SABRE (Soldier Augmentations and Battlefield Robotic Enablers) in response to the Commonwealth's Land 125 Phase 4 Integrated Soldier System (ISS) project. The Land 125 Phase 4 project will deliver 14 varying capability elements in three tranches, the first stretching from 2019-20 to 2022-23; the second from 2023-24 to 2026-27; and the third from 2027-28 to 2031-32.	All personnel in Land 125-4 will already have L53-1BR - Night Fighting Equipment technology re-fresh L125-3B - Survivability - the Soldier Combat Ensemble (Protection, Platform, Pouches, Packs) L125-3C - Enhanced F88 with 'open architecture' Army Minors, Force Protection Review, Sustainment - F88SA2 and 3, 7.62mm MG, 7.62mm Marksman Rifle. Team SABRE says its response to Land 125 Phase 4 aims to enhance the ability to respond with new technology to rapidly changing threat environments, while reducing the burden placed on modern soldiers. It will offer ICN opportunities and collaborate with Australian SMEs, industry, research organisations, Diggerworks and others.
Australia: Land 200 LAND 200 is made up of phases from three projects: Land 125, Land 75 and JP 2072.  	The Australian Federal Government announced that Eylex Pty Ltd has been selected to supply critical equipment to the \$5.2 billion Land 400 Phase 2 Commonwealth defence program, including Racal Acoustics RA4000 Magna and RA5001 Raptor headsets for Boxer 8x8 Combat Reconnaissance Vehicles (CRV) with deliveries later this year. Eylex Pty Ltd	The Land 200 program is designed to transition Army command from paper to digital, providing real-time situational awareness, combat planning tools and combat messaging. In 2017, then-Chief of Army LTGEN Angus Campbell described the program as the 'highest priority' in the Army. Elbit Systems Australia was given notice in April to cease use of the existing deployed BMS version with Army, effective from mid next month. The news was given to the company with no explanation as to the reasoning behind the decision, with Defence confirming that they have no interim solution to replace the capability. The program also signed a multimillion dollar follow-on sustainment contract earlier this month which would see elements of the capability upgraded and expanded. Defence has spent billions on the program over the past decade, with the last contract extension in 2017 signed for \$1.4 billion alone.

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Australia: Land 121 Phase 3 	The Land 121 Phase 3B contract commenced in April 2016 with a four year program focused on the delivery of a fleet of 2,536 vehicles in multiple configurations to form the logistics backbone of the Australian Defence Force. Deliveries to Australian Army facilities around Australia are expected to be completed by April 2020 under the Land 121 Phase 3B program schedule.	Deliveries of more than 2500 Rheinmetall MAN high mobility logistics vehicles to the Australian Defence Force have achieved a major new milestone with the Commonwealth of Australia declaring Initial Operating Capability (IOC) status for the LAND 121 Phase 3B program. The vehicles included under the Land 121 Phase 3B program and delivered to the Australian Army to date include the variants: Heavy Integrated Load Handling (HX-77); Heavy Tipper (HX-77); Medium Tipper (40-M); Tractor (HX-81); Heavy Recovery (45M); Medium-weight Tray with Crane (40M); Medium-weight Tray (40M). Australian industry capability (AIC) is a critical part of the Land 121 Phase 3B program and will be underscored during the next phase of the program - Land 121 Phase 3B/5B - which will see Rheinmetall deliver a further 1,044 vehicles and 872 modules, as well as on-going support to the capability to ensure it meets operational requirements.
Australia: Land 8710 		Army's Land Mobility System Program is currently looking at replacing the ageing Mechanized Mark 8 Landing Craft (LCM8), which were originally brought into service by the US Navy for river operations during the Vietnam War. The Australian Army have been using similar platform types for many years, which will soon be replaced by a more suitable watercraft under Project Land 8710 Phase 1 (Army Water Transport). Now that the landing craft (LLCs) aboard HMAS Canberra and HMAS Adelaide are fit for purpose, they could serve as a viable contender to meet Army's future water transport requirements.
Austria: Soldat der Zukunft 	90 Million Euro investment. New visor system to be evaluated Elbit Systems	Glock P80 Pistols ordered. OPS-Core Sentry XP mid cut helmets ordered. Radio Conrad PNR 500.
Austria: Soldat 2018 	Combined with Soldat der Zukundt procurement. Elbit Systems	Madritsch delivered first batch of its AG77 A1/ML40. Soldat 2018 CRC kits to be delivered by 2020
Belgium: BEST 	INVISIO	2019: Invisio has received a follow-up order from the Belgian Army to supply communication and hearing protection systems. The company won the order in partnership with Thales Belgium, which is the main contractor for the programme. The order is valued at around Skr25m (\$2.57m). Invisio expects to make deliveries in the fourth quarter of this year and the first half of next year.

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Brazil: Combatente Brasileiro (COBRA)  	<p>COBRA to provide soldiers with all-new uniforms, load-carrying and personal-protective equipment, armour, weapons, optics and communications equipment and capabilities. Looking to equip around 100,000 soldiers. As of early 2019 approximately 10,000 5.56 IA2 rifles are in Brazilian Army service. COBRA was divided into two main projects: COBRA 1.0 was initiated in 2014 to test items for 160 troops and was followed by COBRA 2020 in phases beginning in 2016. The original target date was 2021, although a mid-2018 program review now suggests later than 2021.</p>	<p>The Brazilian Army has a particular focus on jungle warfare in the Amazon, taking pride in its training and capabilities in jungle environments. COBRA developments must therefore be tailored to jungle warfighting requirements. Communications are a particular challenge in the jungle. While the Harris RF-7800S Secure Personal Radio is used for low-level tactical communications within 2 km, battalions also carry the Harris Falcon II MPR-9600.</p> <p> COBRA enhancements have been slower to proliferate throughout the Brazilian Army than anticipated. The original 2021 target date for service entry will almost certainly be missed.</p>
Canada: Integrated Soldier System Project (ISSP) 	<p>Rheinmetall Canada awarded a four-year contract in July 2015.</p> <p>As of July 2017 the qualification review for the new system to ensure it meets army requirements had been completed. The government exercised its option for the production of the first 1632 systems.</p> <p> Rheinmetall</p>	<p>Rheinmetall Canada is supplying the ISS in cooperation with Saab AB. The Canadian government has awarded Rheinmetall two major orders for army technology, whose total volume could reach CAD 493 million (about €350 million). Serving as prime contractor, Rheinmetall Canada Inc. Harris 7800s Radios and Invisio ear protection ordered.</p>
Croatia: 'Future Soldier' 	<p>EDA/LCG/1 participation only on C4I.</p> <p> Procurement for Afghanistan deployment inc. Motorola GP300, Kroko ballistic vest, Sestan Busch helmet.</p>	<p>New uniform and load carriage procured. First 1000 VHS 5.56mm assault rifle delivered.</p> <p> New sniper rifles demo-ed: Berta Projekt BP 08 M in .338 Lapua and .300 Win Mag and Agencija Alan's MACS M4 12.7mm.</p>
Czech Republic: Voják 21 'V21' or Soldier 21 	<p>V21 2004-6 single demonstrator Squad level 'Sesedak' experimentation in 2007-9.</p> <p> VOP-026 led V21 and 'Sesedak'.</p>	<p>Plans to acquire 10,000 CZ 805 Bren assault rifles, 7,000 CZ 75 Phantom pistols and 500 CZ Scorpion SMGs from 2014-2020.</p>
Denmark: 'Danish Army Network Enabled Soldier' (DANES) 	<p>May procure systems up to 2020. Hard systems by late 2018.</p> <p> As equipment.</p>	<p>National defence budget was increased by 4.5 billion kroner (600 million euros) by 2024.</p> <p>The Danish Army's transformation into a digital force is well under way and through its Army Tactical Communications Network (ATCN) programme the service is overhauling its radios, networks, and software solutions. Key to this is the roll out of Systematic's SitaWare suite of software across all layers of command.</p>
EU: GOSSRA – European generic Soldier Systems 	<p>The GOSSRA contract was signed on 27 April 2018 and received an EU grant of €1.5M over 22 months (1 July 2018 to 31 March 2020).</p> <p>The GOSSRA consortium includes major European soldier system companies, headed by Rheinmetall Electronics (Germany), and 8 other participants from 6 countries iTTi (Poland), Tekever-ASDS (Portugal), Larimart (Italy), Leonardo (Italy), SAAB (Sweden), Indra (Spain) and TNO (the Netherlands)</p>	<p>GOSSRA will carry out research in the development of a Soldier System Reference Architecture ready for standardization which covers electronics, voice and data communication, software, human interface devices, sensors and effectors.</p>

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France: Arme Individuelle Future (AIF) 	Procurement for new assault rifle. Heckler & Koch	The tender called for a total of 90,000 weapons to be purchased, comprised of 45,000 assault rifles and 45,000 carbines, all chambered in 5.56 mm x 45 NATO ammunition. Under France's Military Programming Law 2014-19, more than 100,000 weapons – with the associated accessories, ammunition and services – will be delivered. A first batch of 400 rifles was received in May 2017. The bid request required the AIF standard to be integrated with the other aspects of France's FELIN future soldier system modernisation programme. Heckler & Koch's HK416F was selected in September 2016 to fulfill the requirement. This marks the first time that a France will acquire a standard-issue rifle from a foreign manufacturer.
France: Scorpion  	In 2018 Safran Electronics & Defense won the contract for the French defense procurement agency DGA (Direction Générale de l'Armement) Science & Technology project, FURIOUS. Covering a period of five years, this project is designed to lay the groundwork for the integration of land robots in French armed forces, as part of the Scorpion modernization program. Safran will call on support from academia as well as the agility of small and medium-size enterprises (SME), to fulfill this contract, reflecting the DGA's policy of encouraging innovative partnerships between prime contractors, research organizations, SMEs and startups.	The Scorpion Program has been deemed the most ambitious military program in the recent history of French land forces. A \$6.8 billion multi-company modernisation effort aimed at replacing all French frontline fighting vehicles, with improved platforms linked with a new and unified communications and battlefield management system (BMS). This BMS is underpinned by the concept of "collaborative combat," which seeks to connect squads, vehicles, battle groups and brigades in a single network: this is the core of Scorpion, although much less visible than new armoured vehicles, such as the Griffon, already delivered and the Jaguar, which will be delivered in 2022. Overall, the Scorpion Program mostly intends to upgrade a set of ageing land vehicles and systems, while preserving France's industrial base. Incorporated into the land forces modernisation plan of 2020, the Scorpion program aims at renewing the median contact battle capabilities of the multi-role armoured vehicles and Armored Reconnaissance and Combat vehicle, (in French VBMR and EBRC).
Germany: 'Gladius' IdZ-2/ES 	Rheinmetall was contracted to deliver the IdZ-ES future soldier system to the German Bundeswehr in 2013. IdZ-ES is also known as the 'GLADIUS'. In 2017, the Bundeswehr ordered the next generation IdZ-ES plus for 68 platoons. The latest generation, IdZ-ES VJTF (also called GLADIUS 2.0) was contracted in 2018. Rheinmetall	New Equipment to reduce weight to 3.9kg by removing INS, new integrated tablet and squad leader display and upgrading C2 software. New 30% more battery capacity. In total, Rheinmetall has delivered over 3,500 systems to the German Bundeswehr. 400 systems IdZ-ES VJTF will be delivered in 2021. That version is much more modular, flexible, lightweight and offers an open system architecture for the integration of several sub-systems. The soldier system is fully integrated in the troop carrier PUMA and sensor-to-shooter capability is realized.

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Italy: Soldato Futuro  	<p>An industrial team, led by Selex Communications (formerly Selenia Communications), is developing the Italian Soldato Futuro, future soldier system. The industrial team includes Aero Sekur, Beretta, Galileo Avionica, Larimart and Sistema Compositi.</p>	<p>Selex Communications developed a new individual pocket radio capable of transmitting voice and data simultaneously. The soldiers are issued with a Galileo Avionica individual night-vision unit based on a TV camera.</p> <p>The original Soldato Futuro concept has been streamlined. Original concepts envisioned all soldiers, not just platoon commanders, wearing tablets strapped to their wrists: images from gun optics to be sent by Bluetooth to soldiers' goggles, allowing them to see around corners by holding out their guns, with Wi-Fi capability in their radios with a communication range of up to 100 metres.</p>
Japan: ACIES  	<p>Advanced Combat Infantry Equipment System (ACIES) is the integrated communication and coordinated system for JSDF infantry to enhance combat efficiency.</p> <p>Evaluation complete. Delivery of first system in 2012-2019.</p> <p> Hitachi prime; HMD by Shimadzu, NEC IR camera and Brentronics power solution.</p>	<p>Based on US army's NETT Warrior and French army's Felin system, the ACIES system consists of HMD, wearable computer, protective gear, weapon and monitoring capability integrated as a system, designed to share information among the troops and C2 element to fight effectively and efficiently. Unlike the legacy Japanese military hardware, the ACIES will utilize large volume of COTS item as well as foreign source to save development cost and prevent obsolescence issues.</p>
Jordan: 'Future Soldier System' 	<p>Completed Phase I studies. Entered Phase II.</p> <p> Led by Army and KADDB. Selex and Sagem amongst international partners.</p>	<p>Selecting which items can be developed produced locally or sourced internationally. Trialled weapons optics from Aselsan and Jels Polly & Norinco, Night Optics and STS. Also trialled gunshot location systems from QinetiQ, Raytheon and Ultra.</p>
Netherlands: VOSS (Improved Operational Soldier System) 	<p>Smart vest, power supply, load carriage and protection.</p> <p>The "Smart Vest" will be supplied by Elbit over a two-year period. Under this follow-on contract, Elbit Systems will supply additional wearable equipment consisting of soldier Load Carriage and Protection (LCP) systems. Under the VOSS programme, Elbit Systems is providing the Armed Forces of the Netherlands with man-pack E-LynX Software Defined Radio systems, RAPTOR wearable computing units, Command and Control capabilities as well as vehicle systems.</p>	<p>The system includes vests, backpacks, and ballistic protection, which are being tested in different combinations, according to the MoD, which added that VOSS communications equipment is undergoing tests in various vehicles.</p> <p>VOSS is being tested for comfort and functionality in different environments: urban areas, woods, arctic conditions, and airborne. In 2018, VOSS vests and backpacks were tested by the Royal Netherlands Marines in Norway and by the army's 13 Light Brigade in Germany.</p>
Netherlands: VOSS 2  	<p>Scoping Requirements.</p> <p> Includes enhancement for SF requirements.</p>	<p>The first new Dutch personal equipment from the VOSS (Enhanced Operational Soldier System) project has been issued to an operational unit.</p> <p>After many years of development, testing, adaptation and production The first official supply of personal equipment from the VOSS (Enhanced Operational Soldier System) project to an operational unit. This concerns the complete carrying system, battle belt and backpack. This also includes the new combat helmet.</p>

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Slovakia: Prokročily Individualny Bojovy System (PIBS) 	Last ten man squad trials in 2009. Funding halted after Concept Development and Experimentation Phase. Original plan was to equip brigade from 2012.	PIBS Programme in limbo due to budget concerns.
Russia: RATNIK  	Pursuing own Russian technology after considering FELIN. Supplied by the Central Research Institute of Precision Machine-Building (TsNIITochMash), which is a part of Rostec, almost 300,000 Ratnik combat outfits have been delivered to troops over eight years. The suit is equipped with a backpack, a self-contained heater, an individual water filter, a gas mask, and a medical kit. Rostec is currently developing an advanced Ratnik-3 combat gear with an integral exoskeleton and a helmet visor-mounted target designation system.	The Russian military is planning to adopt TsNIITochMASH's Udav (Boa) 9 mm combat pistol and launch its acquisition this year. Compared to legacy pistols, the Udav features much better combat performance. In early January, the Ministry of Defense said the troops would get a batch of 50 Udav pistols this year. The institute is now upgrading its firing range, the length of which will be extended from 1,200 m to 3,500 m. According to the TsNIITochMASH's press department, the developers will be capable of testing advanced sniper rifles and medium-caliber cannons (up to 45 mm) at the modernized range. TsNIITochMASH also invests in the development of sporting weapons. In early February, the institute finished the first stage of the designing of the Aspid (Cobra) 9 mm sporting pistol. The new firearm is based on the Udav handgun, which has already passed through its initial operational evaluation and trials. Rostec is planning to launch the production of the Aspid sporting pistol in 2021. ThNIITochMASH is also ramping up the production of the Olymp-family 5.6 mm (.22LR) sporting cartridges.
Serbia: Vojnik Buducnosti-10 (Future Soldier-10)/ M21 	Demo Phase. Yugoimport SPDR product/Serbian MoD.	M21BS-v10 5.56mm& M77 7.62mm weapons, new PBB VB-10 body armour and uniform. In June 2013, Serbian Yugoimport SPDR Company offered Azerbaijan direct sale or joint production of VB-10 equipment. Currently the Azerbaijani military is studying this system.
Slovenia: 21st Century Warrior or Slovenian Warrior 	Pre-study phase 1998. Study phase 1999-2005 procurement from 2002. Various suppliers.	Not Participating in EDA work.
South Africa: African Warrior 	Requirement Operational Capability was approved in 1999 Functional User Requirement Statement and the Logistic User Requirement in 2003 Project Study Report and the Customer Selection 2004. Now phased procurement. TBC	No progress due to budgetary concerns.

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<p>UK: Ranger Regiment</p>  <p>NEW</p>	<p>The new regiment will be established in August 2021 and receive £120m over the next four years to equip it. Initially, it will be 'seeded' from the four current specialised infantry battalions: 1 SCOTS, 2 PWRR, 2 LANCS and 4 RIFLES. The new Special Operations Brigade will replace the existing Specialised Infantry Group, and the Army hopes to be able to deploy it by 2022.</p>	<p>As part of a significant British Army restructuring, following the recent Defence Command Paper, a new thousand-strong '<i>Ranger Regiment</i>' will be formed of four "all-arms" battalions, each of about 250 personnel. "They will be able to operate in complex, high-threat environments, taking on some tasks traditionally done by Special Forces. This work will involve deterring adversaries and contributing to collective deterrence by training, advising and, if necessary, accompanying partners."</p>
<p>United States: Marine Expeditionary Rifle Squad (MERS) AKA - Gruntworks</p> 	<p>Continuing Soldier as a System approach.</p> <p> July 2019 - Ultra Electronics Advanced Tactical has been awarded a \$39.92 million, five-year, indefinite delivery/ indefinite quantity (IDIQ) contract to support the Program Executive Office, Land Systems (PEO LS), United States Marine Corps. This contract will provide software sustainment and upgrade of the Virtual Air Defense Systems Integrator (vADSI) used in the Common Aviation Command and Control System (CAC2S). The initial delivery order for 2019 will be \$2.18 million. CAC2S provides Marine Corps Marine Expeditionary Units (MEUs) and Marine Air-Ground Task Forces (MAGTFs) the ability to process and display mission critical data while automatically correlating air and ground targets allowing battlefield commanders the tactical advantage through enhanced decision-making.</p> <p>vADSI and CAC2S provides primary tactical and mission functionality that is interoperable in a joint tactical data link environment, and meets US, UK and NATO combat mission requirements. Over the course of CAC2S development, the vADSI has been enhanced to integrate and interface with multiple tactical information systems and networks to enable CAC2S to fully support the future combat requirements of the Marine Corps.</p>	<p>The Gruntworks Squad Integration Facility showcased its latest initiatives to lighten and streamline the individual loads Marines carry into combat during the Navy League's 2015 Sea, Air, Space exposition in mid-April. On display was an advanced 3-D body scanner, a sophisticated computer simulation program, and a state-of-the-art medical device commonly used by professional sports teams to measure performance and stress on joints.</p>
<p>United States: Nett Warrior</p>  <p>UPDATED</p>	<p>System Approved.</p> <p> ADS Provides PEO Soldier PM GS ongoing assistance and support for Nett Warrior.</p> <p>ADS is a Prime on the DLA SOE TLS Contract, allowing us to provide PEO Soldier PM GS with much of the C4ISR equipment they require to increase mission readiness.</p>	<p>Delivery of 7000 ensembles delivered; further 10,000 in production. Currently comprises chestmounted Samsung Galaxy S5 EUD; data power cable; prc-14 RIFLEMAND radio, DAGR; Central processor and conformal battery. Additionally Squad power manager 5590.</p> <p> During the U.S. Army's Project Convergence 2021 experiment scheduled for October 2021, researchers will assess silicon anode cells for its Conformal Wearable Battery to be used with the Integrated Visual Augmentation System (IVAS) and the Nett Warrior system. The batteries double the power, allowing those systems to run much longer without increasing size and weight. Ultimately, the new cells could be used in a wide range of batteries for the military and commercial sectors, including those used to power tactical radios, electric cars and cellphone.</p>

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United States: Air Soldier 	Strategy changed in Dec 2011. Changed from three to two increment approach. RFP issued in March 2012. Currently in EMD phase, procurement of Sub-Inc 1a in FY2014 and Sub-Inc 1b in FY2017. Government is prime integrator with various vendors providing components: Raytheon Corp., Physical Optics Corp., Flight Suits, Switlik Parachute Co. and Rini Corp.	Air soldier goals: reduce bulk and weight. Integrate aviation life support equipment. Improved operations in degraded visual environments, increase operations in full MOPP and extreme temperatures. Operational and limited user tests led by operational test command; UH-60M and CH-47F aircrews from the 25th Combat Aviation Brigade evaluated the Air SS including: LCE; improved flight helmet; helmet display and tracking system; day/night helmet mounted displays; enhanced HMD symbology.
United States: PEO Soldier PM Soldier Protection and Individual Equipment  	R&D and on going. Microsoft Corporation awarded a fixed price production agreement to manufacture Integrated Visual Augmentation System (IVAS).	This award transitions IVAS to production and rapid fielding to deliver next-generation night vision and situational awareness capabilities to the Close Combat Force (CCF). The IVAS aggregates multiple technologies into an architecture that allows the soldier to fight, rehearse and train using a single platform. The Army's partnership with Microsoft redefined the timeline for rapid development and production of a major defense program by taking advantage of the middle tier of acquisition and other transaction authorities.
United States DARPA: Warrior Web  		The Wyss Institute for Biologically Inspired Engineering at Harvard University announced that it has been awarded a first-phase \$2.9 million follow-on contract by the Defense Advanced Research Projects Agency to continue development of its Soft Exosuit. The program consists of two separate but related program tasks. Task A, Warrior Web Alpha, seeks to develop a mix of core technologies critical to the realization of a Warrior Web capability. Part way through the Warrior Web program, Warrior Web Bravo, or Task B, is expected to develop an integrated suit capability by leveraging the technology developed by Task A efforts and incorporating the most appropriate breakthroughs into a suit that shows the best performance.
United States US Space and Naval Warfare Systems Command: Joint Effects Model (JEM) Increment 2 	On going.	General Dynamics Information Technology was awarded the Joint Effects Model (JEM) Increment 2 contract by the Space and Naval Warfare Systems Command (SPAWAR). JEM is the U.S. Department of Defense's primary system for modeling the effects of chemical, biological, radiological and nuclear (CBRN) material releases. The cost plus fixed-fee award has a potential value of \$23.5 million over five years if all options are exercised.
United States: Armored Multi-Purpose Vehicle (AMPV) 	On going. BAE Systems	The initial \$382 million award, granted in December 2015, called for BAE to deliver 29 vehicles in five variants in a 52-month engineering, manufacturing and development phase that will lead to a contract to replace all of the obsolete 2,897 M113 vehicles in the Army's Armored Brigade Combat Teams (ABCT). At AUSA Global Conference, 2015, April, Col. Mike Milner, the AMPV program manager, said he expects 180 vehicles a year from BAE. That's enough vehicles to modernize 1.3 armored brigades a year. With 12 such brigades in the Army, the last would replace its M113s in the "late 2020s". BAE rolled out the first prototype AMPV to the US Army in December 2016, the company stated.