PROGRAMMES AT A GLANCE: MAY 2017

- **6 Programmes updated**
- **1 New Programme added**

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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 in October 2016.	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.	**NO NEW INFO SINCE LAST UPDATE**
Australia 	Land 125 Phase 3	Phase 2 completed. Phase 3 being acquired; 3A C4I, 3B Soldier Combat Ensemble and 3C is Enhanced Austeyr and STA.	Includes Elbit Systems, Harris, Thales & Selex.	Craig International Ballistics has secured a major long-term contract under Land 125 Phase 3B to supply advanced protective body armour to the Australian Defence Force. The contract involves the manufacture of around 20,000 sets of body armour for the Australian Army at a value of approximately $49 million. The contract is for four years with a three year extension option.	Phase 3C, focus on "Lethality" continues. This last phase is focused on an upgrade of the Austeyr F-88 bullpup assault rifle to EF-88 specification overseen by Thales, which is now in the process of selecting suppliers for a range of accessories that must fit the weapon's STANAG 4694 rail system.
Australia 	Land 125 Phase 4 (Army High Priority Capability Gaps - Next Soldier Enhancement)	To be managed by Diggerworks. Equipping the soldier after 2020. Programme likely to be renamed.	TBC	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. **NO NEW INFO SINCE LAST UPDATE**	Strategy has not been fully scoped. Cost estimated at A$500m-$1500m although expected to be towards the lower end. $7.5 million of Phase 4 funding allocated to new DMTC to develop new technology.
Australia 	LAND 200 nomenclature is the combination of the following projects/phases: • LAND 75 Phase 3.2 & Phase 3.3. Battlefield Command Support System (BCSS) • LAND 75 Phase 3.4. Battle Management System – Mounted (BMS-M) • LAND 125 Phase 3. Battle Management System – Dismounted (BMS-D)	LAND 200 Tranche 1 was endorsed by Government in November 2009. New radios and systems commenced delivery across Defence in May 2011. LAND 200 Tranche 1was due to reach full operational capability in 2014 with the final delivery of all equipment. Under this Tranche, Army will receive digital Battle Management Systems for the soldier, Protected Mobility Vehicles, Unimog and G Wagon.	Elbit Systems	LAND 200 Tranche 2 was endorsed by Government in August 2013 and will continue with PMV and G-Wagon installations, as well as installation of radios and systems into the M113AS4s, LAND 121 Medium Heavy Trucks, and PMV-Light.	LAND 200 will undergo its greatest challenge between 2013 and 2018 in delivering a holistic Land Networking solution to two Army formations, enabling Brigades, training establishments, Special Forces and other Services. LAND 200 Tranche 3, planned for 2017 – 2021-22, will complete deliveries to the remainder of Defence and provide technical refresh of equipment previously delivered in Tranche 1 and 2. **NO NEW INFO SINCE LAST UPDATE**

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Austria 	Soldat der Zukunft	Concept Phase concluded 2011.	TBC	**NO NEW INFO SINCE LAST UPDATE**	
Austria 	Soldat 2018 – The name has been updated from Soldat 2015	Near term procurement of radios, hearing protection and head subsystem.	TBC	Madritsch delivered first batch of its AG77 A1/ ML40.	**NO NEW INFO SINCE LAST UPDATE**
Belgium  UPDATED	BEST	Fielding is planned to begin in 2017.	Elbit		The first joint purchase under agreement between Benelux countries has been made for under USD150 million contract for the provision of Elbit's Smart Vest systems for the Benelux nation's future solider programmes. These are Belgium's BEST programme, the Netherlands' VOSS programme, and Luxembourg's COMPASS.
Brazil  UPDATED	Combatente Brasileiro (COBRA)	2007 Army General Staff endorsement. R&D and testing and evaluation phase until 2013 linked to AFV work. The project is expected to continue until 2021.	TBC	$14m award for Harris Falcon II&III radios in RF-7800V in Feb. 2011. First 86 VBTP-MR Guarani 6x6 IFVs delivered in December 2013, requirement for 2130.	The contract involves the supply of radios to the Brazilian army's center for communications and electronic warfare. Both the RF-7800V and RF-7800S systems are essential to the COBRA modernization program, as they will provide secure voice and high-bandwidth data applications, including video combat chat. There are a number of other types of equipment being supplied in the programme, such as the IA2 assault rifle.
Canada  UPDATED	Integrated Soldier System Project (ISSP)	Rheinmetall Canada awarded a four-year contract in July 2015		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. will be supplying the Canadian Armed Forces with medium-range radar and an integrated soldier system. Set to run for several years, the contracts for both systems are currently worth a total of around CAD 140 million (€100 million), with options for significant expansion.	**NO NEW INFO SINCE LAST UPDATE**

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Croatia 	'Future Soldier'	EDA/LCG/1 participation only on C4I.	Procurement for Afghanistan deployment inc. Motorola GP300, Kroko ballistic vest, Sestan Busch helmet.	New uniform and load carriage procured. First 1000 VHS 5.56mm assault rifle delivered. **NO NEW INFO SINCE LAST UPDATE**	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.
Czech Republic 	Voják 21 'V21' or Soldier 21	V21 2004-6 single demonstrator Squad level 'Sesedak' experimentation in 2007-9.	VOP-026 led V21 and 'Sesedak'.	New Ceska Zbrojovka assault rifle postponed in 2011 due to funding. **NO NEW INFO SINCE LAST UPDATE**	Plans to acquire 10,000 CZ 805 Bren assault rifles, 7,000 CZ 75 Phantom pistols and 500 CZ Scorpion SMGs from 2014-2020.
Denmark 	'Danish Army Network Enabled Soldier' (DANES)	Work on integrated SMP ended 2005 in favour of incremental acquisition. May procure systems from 2015-20. Incremental procurement in meantime for Afghanistan. Move to acquire dismounted BMS 2009-14.	As equipment.	Recent funding of Aimpoint laser light module, ballistic eye protection, first aid kit, combat vest and Personal Role Radio. **NO NEW INFO SINCE LAST UPDATE**	Contracted with Harris for 3500 SPRs with INVISIO V60 ancillaries in October. The Royal Danish Army announced in March 2014 it has selected the U.S. Ordnance M60E6 as its new General Purpose Machine Gun. The M60E6 was chosen for the benefits it holds over the current M/62 MG3 which has been in use with the Danish Army since 1962. Additionally, the Danish Army is also in the process of obtaining an optics and sensor package for the new MG, including unspecified daylight optics, thermal optics, red dot optics, tactical lights, tactical lasers, and laser range finders.
Finland 	Now known as Warrior 2020	Technology Programme 2010 (TP2010) until 2014. Fielding from 2017.	TP2010 includes Savox as integrator and Millog, Nethawk and Insta.	Tactical Headgear for Operational Requirements (THOR) has been adopted by the Finnish Defense Forces as the helmet component of their Soldier Modernization Program: Warrior 2020. A multi-year contract was recently let by the Finnish Defense Forces Logistics Command, with initial deliveries being used for acceptance testing. Savox is the prime contractor of the consortium behind THOR, along with industry partners, Millog Oy (night vision) and Fy-Composites Oy (ballistic protection).	SAVOX has begun delivery of THOR Headgear for FDF. The initial order is for an undisclosed number of THOR tactical combat headgear systems destined for the FDF. These units will go into acceptance testing and approvals. The initial delivery is part of a rolling contract, which will see a steady ramping up of volume towards mass production later this year, with further options continuing for an undisclosed number of years. The FDF procurement has been handled by the FDF's joint procurement organisation, the Finnish Defence Forces Logistics Command, which manages all contracts for the Finnish Air Force, Army and Navy.

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France 	FELIN (Fantassin à Equipements et Liaisons Intégrés)		Sagem		**COMPLETED**
France 	FELIN V.2	Technology Roadmap/ Concept phase.	Sagem	See NEW Programme Below.	Probable Point at which FELIN integrated into Scorpion. Initial upgrade for FELIN is planned for 2015 followed by a significant boost in 2020.
France  **UPDATED**	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.
Germany 	'Gladius' IdZ-2/ES	Rheinmetall formally transferred its new IdZ-ES future soldier system to the German Bundeswehr on 7 March 2013. IdZ-ES is also known as the "Gladius".	Rheinmetall	The German government ordered a first lot of thirty systems in 2012. Rheinmetall has since delivered another two batches comprising 60 systems in total.	
India 	F-INSAS (Futuristic Infantry Soldier As a System)	Phase 1 2012 weapons, body armour, clothing and individual equipment Phase 2 ISTAR 2015. Phase 3 C4I 2020.	BEL expected to be prime.	Ordnance Factory Board (OFB) is reportedly in the process of developing a weapon with interchangeable barrels that would be capable of firing 5.56mm, 7.62mm and 6.8mm caliber ammunition.	After many false starts, problems, and budget cuts, The Indian Army has decided to junk the Future Infantry Soldier As a System (F-INSAS) program in favor of two separate projects. The new program will have two components: one arming the modern infantry soldier with the best available assault rifle, carbines and personal equipment such as the helmet and bulletproof vests and the second component is the Battlefield Management Systems (BMS).

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Israel 	Israeli Advanced Soldier / 'Shakhar' (Dawn)	First deliveries of 'Dominator' system in 2009.	Elbit Systems prime contractor.	Elbit Systems' Dominator scored a considerable success as some of its components are now part of programmes not only in Israel, but Finland, Australia and soon to be India. The key element of the new system is the Raptor, an all-in-one wearable computing unit specifically designed for soldier use. Weighing only 285 grams the Raptor features a 4.3-inch 800×480 resolution resistive touch screen that can be operated with gloves and be read in sunlight up to 600 cd/m2. It runs on an ARM Cortex A8 720MHz CPU and has a 512MB DDR2 SDRAM, storage coming in the form of a 16 GB SD card. The Raptor supports both Android and Linux operating systems. It features a built-in GPS and a digital compass while two USB ports are available, radio interface being provided by two RS-232 synchronous and asynchronous ports.	Israel's Defense Ministry announced that it had signed a $100 million, 15-year contract with Motorola Solutions that will see the Israeli defence forces being equipped over the next several years with encrypted smartphones. These small, hand-held devices will offer not only the ability for individual soldiers to make encrypted calls and receive emails, but they will also come equipped with a built-in GPS system and be capable of sending and receiving digital media (the phone will have an eight-mega-pixel camera) as well as navigation information.
Italy 	Soldato Futuro	Testing completed of the 'Precursor systems'	Selex Communications, Larimart, Selex Galileo, Beretta & AeroSekur.	The Italian Army's Pinerolo brigade was picked to test new technologies, under the programme, while Selex is leading an Italian consortium of firms developing new kit, including Iveco, Oto Melara and Beretta.	After being stagnant for awhile, Italy recently announced movement in its Future Solider Programme. The Army started testing components of the Future Soldier program at Lecce, and will also gave them a run during Italy's part of the NATO Trident Juncture exercise held in Spain in November 2015. The Army's new standard rifle, the Beretta ARX-160, was deployed successfully in Afghanistan.
Japan 	ACIES	Evaluation 2005-8. Delivery of first system in 2012.	Hitachi prime; HMD by Shimadzu, NEC IR camera and Brentronics power solution.	**NO NEW INFO SINCE LAST UPDATE**	
Jordan 	'Future Soldier System'	Completed Phase I studies. Entered Phase II.	Led by Army and KADDB. Selex and Sagem amongst international partners.	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. **NO NEW INFO SINCE LAST UPDATE**	FMS case for new C4I system using C2PC family including dismounted element expected to conclude in 2012.

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Malaysia 	Soldier Advanced Kombat Technology Integrated (SAKTI)	Study phase unfunded programme. May be included in Network Centric Operations Phase 1B in next Five Year Plan.	Sapura has made proposal. Supporting SAPURA in the development of SAKTI is the KEMENTAH's Science and Technology Research Institute for Defence better known as STRIDE.	**NO NEW INFO SINCE LAST UPDATE**	SAKTI – section exercise in November 2012 as part of a wider exercise. A new uniform with fractal geometry designed to replace the current Harimau Belang pattern is also being developed by STRIDE as part of the program.
Netherlands 	VOSS (Improved Operational Soldier System)	Pre-Study Phase completed late 2010. Study Phase passed in 2011 RFP for Smart Vest in Dec. 2011.	Smart Vest, power Supply, Load Carriage and Protection.	E-Lighter prototypes trials in 1Q 2013 with series production 4Q 2014. Smartvest pre serial production and evaluation in 2013-2014, serial production and implementation in 2014-2017. **NO NEW INFO SINCE LAST UPDATE**	The first joint purchase under agreement between Benelux countries has been made under a USD150 million contract for the provision of Elbit's Smart Vest systems for the Benelux nation's future solider programmes. These are Belgium's BEST programme, the Netherlands' VOSS programme, and Luxembourg's COMPASS.
Netherlands 	VOSS 2	Scoping Requirements.	Includes enhancement for SF requirements.	**NO NEW INFO SINCE LAST UPDATE**	
New Zealand 	Soldier survivability programme of equipment (SSPE)		Includes, BAE Elbit Systems, Harris, Thales & Selex.	Incorporates Australia's Land 125 Phase 3B contracts, which have been awarded to Bendigo-based Australian Defence Apparel (ADA) for the supply of load carriage equipment, including ballistic plate carriers, packs, basic pouches and equipment bags.	
Norway 	NORMANS Norwegian Modular Arctic Network Soldier		Thales, Teleplan and Kongsberg.		**COMPLETED**
Norway  NEW!	Nordic Combat Uniform	Uniform deliveries are aimed to begin in 2021	A number of contractors are believed to be interested in the contract, attending a meeting with representatives from the four countries in June 2016.	The NCU is a joint procurement between Denmark, Finland, Sweden and Norway, with the latter serving as lead nation in the project. It is aims to provide an all-service combat uniform system for male and female soldiers. While this will be a joint procurement, it is expected that differences will remain between the nations, in camouflage patterns for instance.	

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Pakistan 	Concept phase NO NEW INFO SINCE LAST UPDATE	TBC	TBC but inc. POF on lethality.	Not part of "Future Soldier" Program, however, in July 2013, QinetiQ North America in Waltham, MA received a $7.8 million sole-source, firm-fixed-price Pakistani contract for Talon IV robots external link, spares, and training. The Talon IV is used by US military EOD (explosive ordnance disposal technicians), using their remote cameras and robotic arm to investigate potential land mines.	
Philippines 	'Future Soldier'	Procurement under AFP Modernization Law and Battalion of Excellence programme.	Various suppliers. Recently procured new GPS, Comms, EOD Bomb Suits, AFVs and LMGs.	Under the programme in March 2014, sources confirmed a purchase of 63,000 new Remington M4 carbines and plans call for all M4s issued to rifle platoons to be fitted with infrared laser aiming devices, and soldiers to receive image-intensified monocular devices that work with the lasers, plus handheld radios. The assault rifle procurement closely followed an order for 400 US-built Airtronic RPG-7 rocket launchers to replace obsolete M18 and M67 recoilless rifles. On the survivability front, an order for a reported 44080 force protection equipment sets is in the offing, each comprising a ballistic vest, plate inserts and a soft ballistic panel and weighing between six and seven kilograms (13–15 lb).	**NO NEW INFO SINCE LAST UPDATE**
Poland 	Tytan/Polish Individual Battlesystem	Three-phase R&D stage begin 2011. Operational and technical requirements completed in Spring, 50 prototype systems to be acquired in 2016 and 800 production set in 2018.	Led by Bumar Group includes FB Lucznik, PCO, PSO Maskpol, Radmor, CNPEP Radwar, OBRSM Tarnow, WB Electronics and ZM Tarnow.	Will use R35010 personal radio and MSBS-5.56 weapons family. A new NBC protection mask purposely developed for the Tytan programme has been developed by Maskpol.	
Portugal 	Soldado do Futuro		TBC	**NO NEW INFO SINCE LAST UPDATE**	
Romania 	Romanian Individual Fighting System (RIFS)	Initial trial with demonstrator. NO NEW INFO SINCE LAST UPDATE	TBC	Integrated with Romanian C4I systems based on RF-7800S, M, R5800V& H.	Harmonised with EDA CEDS. Using the Quandtum3D Expedition DI systems with VBS2.

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Russia 	RATNIK			Added the new assault rifles, the AK-12 and the AK-103-4, Kalashnikov Concern. KRET is developing a battlefield identification system as part of the Ratnik combat equipment system. The new system has been designed to completely eliminate the possibility of friendly fire.	Ratnik, Russia's "soldier of the future" system is expected to include about 40 items, including weapons, protection, sighting, communication, navigation, and targeting equipment. The second generation of the system is currently being delivered to the armed forces in large numbers, while work is underway on the third generation.
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. VB-10 meets requirements of Azerbaijan Armed Forces in terms of weapon set and other elements. Several other Arabian countries and Pakistan have expressed interest in the Serbian system. **NO NEW INFO SINCE LAST UPDATE**
Singapore 	Advanced Combat Man System (ACMS)	Singapore reports three battalions fully equipped with the Advanced Combat Man System (ACMS).	ST Engineering, ST Electronics, ST Kinetics and DSTA.		**NO NEW INFO SINCE LAST UPDATE**
Slovakia 	Prokrocily 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. **NO NEW INFO SINCE LAST UPDATE**
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.	**NO NEW INFO SINCE LAST UPDATE**
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. **NO NEW INFO SINCE LAST UPDATE**

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South Korea 	Future Soldier	Concept and development phase. Acquisition from 2016 to field in 2020.	ADD led Applied Research Phase; June 2009-Dec. 2011. Concept phase led by Samsung Thales.	DSM Dyneema has been named to provide the ballistic protection material and key solution for enhanced lightweight armor for the Republic of Korea (South Korea) Army Multi-purpose Body Armor Program. The Multi-Purpose Body Armor Program is part of South Korea's efforts in soldier modernization, seeking to equip defense personnel with lightweight armor that provides enhanced protection over a large area of the body, thus increasing protection and survivability.	International R&D co-operation sought in Energy Supply, Sensor Fusion and Virtual Simulation. **NO NEW INFO SINCE LAST UPDATE**
Spain 	Combatiente Futuro (COMFUT)		Airbus (formerly Cassidian) prime contractor plus Indra Sistemas, Iturri, Amopack SL, Fedur and GMV.		Operational trials of prototypes started at the end of September 2011 and May 2012. Due to Spain's economic woes, the programme is currently in limbo. **NO NEW INFO SINCE LAST UPDATE**
Sri Lanka 	Special Infantry Operations Team (SIOT)		Various suppliers.	Requirement for additional NV sights and navigation equipment per Team and two new under barrel GLs per team. **NO NEW INFO SINCE LAST UPDATE**	
Sudan 	Future Soldier			The Sudanese military has selected the Chinese QBZ-97 bullpup for their Future Soldier System. The Sudanese military has been using Chinese weaponry for some time now including: Type 96 main battle tank, HJ-8 anti-tank missile, Type 56 and Type 81 rifles, CQ rifle (copy of the M16A1), QJZ-89 50-cal heavy machine gun, M99 50-cal sniper rifle and the QLZ-87 automatic grenade launcher. **NO NEW INFO SINCE LAST UPDATE**	
Sweden 	MARKUS Markstridsutrustad Soldat (Swedish Project for Development and Acquisition of Equipment for Foot Soldiers)	Plans finalised in 2010. Integrated Capability for MARKUS V1 from 2014. New small arms family from 2017.	TBC	Acquired AeroVironment Puma AE SUAV in June. New small arms family is planned from 2017.	RFIs submitted in Sept for Sweden's IGR programme, replacing/supplementing IGR 1 the PRR, Motorola LMR and IGR 2 Harris 7800 SPR. The IGR comprises 17,000 group radios and 8,000 platoon radios. **NO NEW INFO SINCE LAST UPDATE**

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Switzerland 	IMESS (Integriertes Modulares Einsatzsystem Schweizer Soldat)		Airbus won a contract for the prototype phase of the IMESS project from defence procurement agency Armasuisse in 2007, then received a CHF20 million (USD22 million) advanced production engineering contract from it in 2011, which was completed on schedule in 2014. The latter contract also included an option for series production of IMESS, valued at around USD160 million.	In July of 2014, Airbus Defence and Space has announced it has completed the development of the Swiss Army's planned new future soldier system and it is now ready to enter serial production.	The next stage of the project will see the Swiss Army conduct field trials of IMESS over two years, with Airbus Defence and Space providing logistical support for the test phase. Subsystems of the IMESS system include: the Kongsberg TacLAN tactical high-capacity radio system (including the SR600 hand-held and vehicle-mounted VM600 short range radios); and Sagem optics, including the Sword T&D (Thermal and Day) weapon sight, as used in the French FELIN system.
Thailand 	SFT 21	Concept phase.	TBC	**NO NEW INFO SINCE LAST UPDATE**	
United Kingdom 	Future Integrated Soldier Technology (FIST) 1a/ DCC Inc 1	DC3 completing Commanders Lightweight Radio (CLR) and Commander's Locating Beacon (CLB) being deployed.	Thales PCMO for Assessment Phase. FIST IA equipment sourced from ELCAN, Shield, Qioptiq, Uniscope, Vectronix, Olympus and Istec.		**FIST 1a- COMPLETED**
United Kingdom 	DCCS/FIST 2	New home for FIST 1b from 2015.	Currently Thales PCMO.	Major R&D thrust on burden reduction Goal to reduce burden to 40Kg by 2020 In mid-March 2013 Roke Manor Research Ltd, part of the Chemring Group, was awarded a three-year research contract under the Dismounted Close Combat Sensors (DCCS) Research Programme. Roke is leading a team that also includes SEA (Systems Engineering & Assessments) and QinetiQ to assess, mature and integrate innovative sensor technology for the dismounted close combat infantry soldier.	**No New Info Since Last Update**

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United Kingdom 	FIST 3/DCC Inc 3	Continuing Procurements and Contract awards.		Meggitt secures £13 million UK MoD small arms simulator upgrade.	FIST enhancements to 59 of the MoD's 154 DCCTs include three simulators: an underslung grenade launcher sight, a thermal sight and a commander's target locator, for which Meggitt will provide associated ballistics and round effects for SA80/UGL rifle simulators, modifying them to accommodate new thermal sights. **No New Info Since Last Update**
United Kingdom  **UPDATED**	Challenger 2 Life Extension Program (LEP)	The UK Ministry of Defence has kick-started a pro-gram to update the British Army's neglected Challenger 2 main battle tank fleet.	A team led by Challenger 2 builder BAE Systems, and a rival consortium led by Germany's Rheinmetall		In late December 2016 teams led by Rheinmetall and BAE Systems respectively were awarded contracts worth £23 million each to progress the project, which is now in the competitive assessment phase.
United States 	Marine Expeditionary Rifle Squad (MERS) AKA - Gruntworks	Continuing Soldier as a System approach.	NA		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.
United States 	Nett Warrior	LUT in November 2010. Designs considered too heavy and bulky. Going for 'Cellular type device' with apps linked to AN/PRC-154 Rifleman Radio.	ADS Provides PEO Soldier PM GS ongoing assistance and support for Nett Warrior 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.	Concepts tested at NIE 13.2	It was reported in mid-2015 that Fort Campbell Soldiers had been learning to use the Nett Warrior system that was fielded to the 1st, 2nd and 3rd brigade combat teams more than 18 months beforehand.
United States 	Land Warrior	Development complete.			**COMPLETED**

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United States 	Air Warrior				**COMPLETED**
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.	TBC	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.	TBD	The Maneuver Center of Excellence and U.S. Army Natick Soldier Research, Development and Engineering Center, are working together to find "evolutionary and revolutionary" approaches to lightening the Soldier load. **No New Info Since Last Update**	Status Soldier Protection System (SPS) Soldier Protection System (SPS) replaces the capability of multiple current systems and has achieved a 10% weight reduction.
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.	Wyss Institute will receive up to $2.9 million to continue development of its soft exo-suit **No New Info Since Last Update**
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.	

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United States  UPDATED	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
United States 	Enhanced Night Vision Goggle III and Family of Weapon Sight-Individual (ENVG III/FWS-I)	The fully integrated ENVG III/FWS-I solution is being developed and manufactured at the company's recently completed 47,000 square foot state-of-the-art facility in Hudson, New Hampshire	BAE Systems	The U.S. Army has awarded BAE Systems a five-year contract worth up to $434 million for the company's integrated night vision and thermal targeting solution, which improves the speed and accuracy of targeting by dismounted soldiers. The new offering helps troops to rapidly and covertly acquire targets in all weather and lighting conditions. In October 2016 BAE Systems was awarded a $13.5 million order to begin producing the sights, which will cover 100 units	BAE Systems and DRS Technologies began providing the U.S. military with the Enhanced Night Vision Goggle III (ENVG III) technology in summer 2015 The long term-plan is to have 18 soldiers per platoon with the FWS-I and 24 soldier per platoon with ENVG IIIs, over the course of the programme
United States 	M88A1 HERCULES Upgrade	The U.S. Army needs to modernize the 36 M88A1 recovery vehicles to the M88A2 Heavy Equipment Recovery Combat Utility Lift Evacuation Systems (HERCULES) configuration	BAE Systems	The U.S. Army has awarded BAE Systems a contract modification worth $109.7 million to convert 36 M88A1 recovery vehicles to the M88A2 Heavy Equipment Recovery Combat Utility Lift Evacuation Systems (HERCULES) configuration	Work on the contract is expected to begin in August by the existing workforce and will take place primarily at the company's York, Pennsylvania, and Aiken, South Carolina, facilities. Deliveries will begin in November 2017 and continue through August 2018
United States DARPA 	Positioning System for Deep Ocean Navigation (POSYDON)	POSYDON aims to replace current navigational methods that pose a detection risk for undersea vehicles forced to surface periodically to access the space-based Global Positioning System (GPS), which cannot sufficiently penetrate seawater. In addition, access to above-water GPS may be denied by hostile signal jamming	BAE Systems	Under DARPA's POSYDON program, a BAE Systems-led team will create a positioning, navigation, and timing system designed to permit vehicles to remain underwater by using multiple, integrated, long-range acoustic sources at fixed locations around the oceans	Other members of BAE Systems' POSYDON team are the University of Washington, the Massachusetts Institute of Technology, and the University of Texas at Austin