











PROGRAMMES AT A GLANCE: JANUARY 2012









- **33 Updates**
- **2 New Programmes**

























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Country	Programme Name	Schedule	Contractor Team	Recent Procurement Activity	Notes
Australia  	Land 125 Phase 3	Phase 2 completed. Phase 3 being acquired; 3A C4I, 3B Soldier Combat Ensemble and 3B is Enhanced Austeyr and STA	Includes Elbit Systems, Harris, Thales & Selex	Selected Elbit for Dismounted BMS in 2010. Thales continues with Enhanced Steyr	Diggerworks formally opened in August 2011. Phase 3C valued at A\$448.6 million. Coincides with L53-1BR - Night Fighting Equipment technology re-refresh
Australia  	Land 125 Phase 4 (Army High Priority Capability Gaps - Next Soldier Enhancement)	Equipping the soldier after 2020 with a fully integrated, open architecture soldier system	TBC	All personnel in Land 125-4 will already have L53-1BR - Night Fighting Equipment technology re-refresh 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	Strategy has not been fully scoped. Cost estimated at A\$500m-\$1500m although expected to be towards the lower end
Austria 	Soldat der Zukunft	Concept Phase concludes 2011. Acquisition postponed to now begin from 2015	To be awarded	Modified Steyr AUG /StG 77 assault rifle and new uniform mandated items	Harmonised with EDA. New national security strategy published 1 March, restates neutrality, reduces active security co-operation with EU & NATO. Referendum on conscription
Austria  	Soldat 2015	Near term procurement of radios, hearing protection and head subsystem	To be awarded	Madritsch delivered first batch of its AG77 A1/ML40 UGL	RFP for Personal Radio requirement submissions in November
Belgium  	Belgian Soldier Transformation (BEST)	R&D and market studies	Decision on joining VOSS in 2011 for Smart Vest	Belgium deploys 600 troops in Afghanistan	MoU signed in April between Netherlands, Belgium and Luxembourg
Brazil 	Combatente Brasileiro (COBRA)	2007 Army General Staff endorsement. R&D and testing and evaluation phase until 2013 linked to AFV work	To be awarded	Acquired FELIN equipment from DGA in 2009. \$14m award for Harris Falcon II&III radios in RF-7800V in Feb. 2011	Two versions planned: Amazon and Regular. Proposed comms solution tested in Haiti

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Canada  	Integrated Soldier System Project (ISSP)	RFP in Feb 2012 Bid Eval. 2nd half 2012 inc. at 14 week UAPE for up to 12 systems Contract Award for Definition 1st half 2013 Initial Operational Capability from Dec 2014	To be awarded	December 2011 change in Strategy to accelerate access to secure networks with potentially fewer systems acquired down to two TFs rather than six	Cycle 1 Networked Soldier expected to include display for SA and passive BCIS, load carriage, ANR headset, comms and GPS/DMC navigation
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	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	The first batch of 505 of 8000 CZ 805 Bren A1/A2 rifles fielded with 42nd and 72nd Mechanized Battalion for deployment in Afghanistan
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	Mortar sections using 60mm Hirtenberger mortars in Af. issued two Soltam M/10 120mm mortars in Feb. Reducing deployment from 750 to 650 by 2012
Finland  	Finnish Warrior	Technology Programme 2010 (TP2010) until 2014. Fielding from 2017	TP2010 includes Savox as integrator and Millog, Nethawk and Insta	Project Helmet System 2020 completes 2012. Modular integrated comms, hearing and head protection and 60 degree FoV NVG	Three versions of system required for Territorial Troops, Regular and SF

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France  	FELIN	Series delivery begins 2010 1st Bat. fully equipped Summer 2010. Total of 22,588 equipment sets ordered est. \$1billion	Sagem	FELIN equips 1st Infantry Regiment. Started equipping 13th Mtn. Inf. Battalion in Jan. tasked with developing new FELIN doctrine, 16th Bataillon de Chasseurs armored infantry unit equipping as will two more units in 2011	1st Infantry Regiment Deployed to Afghanistan in Dec 2011. By the end of 2011, almost 6000 FELIN soldiers will be operational in the French army
France  	FELIN V.2	Technology Roadmap/ Concept phase	Sagem	Additional Integrated Red and Blue Force Tracking, UGVs, fuel cells and FAMAS replacement	Probable Point at which FELIN integrated into Scorpion. Initial upgrade for FELIN is planned for 2015 followed by a significant boost in 2020
Germany  	IdZ-BS/1	April 2010, Germany's (BWB) signed a contract with EADS Defence & Security for a further 220 units of the IdZ BS	Cassidian	BWB awards contract in March for 400 IdZ BS kits for use by Bundeswehr forces in ISAF	Total number of IdZ-BS equipment at 2,900. Basis for Warrior 21 C4I
Germany  	IdZ-2/ES	Risk reduction 2006-8. Pre Series contract 2009. 2011 trials and contract late 2011/early 2012 for 40 systems	Rheinmetall	Ten pre-series production systems delivered for final acceptance trials in June. Testing begins in July concluding in January, report in March. A contract may be awarded in Jan., delivery in early 2013 fielding late 2013	Total requirement for 9040 systems
Greece 	'Future Soldier System'	Studies linked to EDA	To be awarded	50 Theon Sensors NX-122A NVG in 2009	Programme postponed indefinitely
Hungary 	'Future Soldier System'	Joined EDA work in 2007	To be awarded	Selected BMS in 2009	Programme postponed indefinitely
India  	Futuristic Infantry Soldier As a System (F-INSAS)	Phase 1 2012 weapons, body armour, clothing and individual equipment Phase 2 ISTAR 2015. Phase 3 C4I 2020	BEL expected to be prime	Began INSAS replacement programme in 2008	Tavor-21 5.56 mm assault rifles and Galil 7.62mm sniper rifles enter service with Navy and Air Force SF

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 	Israeli Advanced Soldier	Several Battalions now equipped	Elbit Systems prime contractor	PNR-1000 expected to be added to the system	Integral part of Digital Army Programme
 	Soldato Futuro	Testing at Forza NEC. 84 Development Phase Kits delivered 8 new configuration, precursor systems delivered in early 2012. CDR in 2012 before order for 558 op. experimentation kits	Selex Communications, Larimart, Selex Galileo, Beretta & AeroSekur	Systems to equip two regiments from "Pinerolo" Brigade in 2012-14 with 1,025 systems	New 30-512Mhz Swave radio introduced. Single rather than dual Li-ion battery. NIMOS interim replacement the ITT AN/PVS-21D NVG. ICWS interim replacement reported to favour Elcan Specter DR 1-4x and L-3 Insight Mini Thermal Monocular
 	Advanced Combat Infantry Equipment System (ACIES)	Evaluation 2005-8. Delivery of first system in 2012	Hitachi prime; HMD by Shimadzu, NEC IR camera and Brentronics power solution	Type 89 5.56mm assault rifle modified for accessories for deployments to Iraq	Japan to begin defence export market shortly
 	'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	Plan to have soldier modernisation conference in 2012, potentially at SOFEX
 	'Future Soldier'	Concept and development phase. Acquisition from 2016 to field in 2020	ADD leading Applied Research Phase; June 2009-Dec. 2011. Now concept phase until 2013 at earliest conclusion	K11 airburst grenade equipped rifle acquired	International R&D co-operation sought in Energy Supply, Sensor Fusion and Virtual Simulation



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Malaysia  	Soldier Advanced Combat Technology Integrated (SAKTI)	Study phase unfunded programme	Sapura has made proposal. Army working closely with MOD's STRIDE (Science, Technology, Research in Defence)	Army showed a Thales C4I package including St@rmille radio and NORMANS	SAKTI – section exercise in November as part of a wider exercise. Working to build experimental platoon in late 2012
Netherlands  	VOSS (Improved Operational Soldier System)	Pre-Study Phase completed late 2010. Study Phase to mid 2011. Field from 2014	Smart Vest, power Supply, Load Carriage and Protection	Dutch only requirement for 5500 Systems. November RFP for 4000 NVG	MoU signed in April between Netherlands, Belgium and Luxembourg
Netherlands  	VOSS 2	Scoping Requirements	Includes enhancement for SF requirements	C7/C8 Assault rifles replaced from 2015	Joined EDA WOLF urban radio work
Norway  	NORMANS (Norwegian Modular Arctic Network Soldier)	Successful C4I trials in Oct. 2008. Further small scale de-risking trials in 2010. Contract Award to Thales announced Oct 2011	Thales, Teleplan and Kongsberg	FN Minimi selected in November. All 1900 weapons delivered by 2012. 15 year support	NORMANS C2IS as part of Bold Quest 2011. baseline weight of systems is 35kg. Est requirement for 3000 systems in three batches
New Zealand  	'Future Soldier'	Incremental acquisition in similar areas to Land 125 Phase 2B	To be awarded	Recent SA procurements include MINI N/SEA NVG, PEQ-15 NAD, CNVD-T2 Thermal Sight and PVS II Sight	Cuts in November Defence White Paper
Pakistan  	Concept phase	To be awarded	To be awarded but inc. POF on lethality	Prioritising NV and lethality in near term. Acquired Aselsan Python and Boa TI sights	Pakistan Army trialed 40 of Aselsan's PRC-5070 PRRs this Summer
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	Process of procuring Night Vision monocular, Infra-red Aiming Devices, Laser Zeroing Device on one per soldier in rifle platoons and Light AT Weapons	In January 2011, Army, five year plan prioritised acquires 110 infantry fighting vehicles; 4,464 night-vision systems; 8,103 assault and rifles; 8,103 units of force protection equipment; grenade launchers and additional trucks and radios

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Poland  UPDATED	Tytan/Polish Individual Battlesystem	Three-phase R&D stage begin 2011. Trials four different technology demonstrators in 2013. New version in 2015 and 2017-18. Fielding from 2020	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	\$13.2m award for 33,333 helmets 2011-18 from Maskpol in April. BMS for EU Weimar BG to be used in Tytan
Portugal  UPDATED	Soldado do Futuro	Experimentation from 2008. Next phase post 2012	To be awarded	Pandur deliveries rescheduled	Evaluated Tekever's WAC-S5 Wireless Adaptive Soldier Module and TWH-101 Tactical Wireless Headset
Romania 	Romanian Individual Fighting System (RIFS)	Initial trial with demonstrator	To be awarded	60 MaxxPro Dash MRAPs for Afghanistan	Harmonised with EDA CEDS. Using the Quandtum3D Expedition DI systems with VBS2
Russia 	'Future Soldier System'	Def. Min. announced in Feb. talks to acquire several FELIN sets	TBC	Sets to be used in trails to develop Russian requirements	First Deputy Defense Ministry Vladimir Popovkin indicated Russian system to be ready by 2020
Serbia 	Vojnik Budocnosti-10 (Future Soldier-10)	Study Phase	Yugoimport SPDR product	M21BS-v10 5.56mm & M77 7.62mm weapons, new PBB VB-10 body armour and uniform	Trials near Belgrade of squad, platoon and company using 15 VB-10 systems
Singapore  UPDATED	Advanced Combat Man System (ACMS)	ACMS delivered to 5th battalion in 2009, now three battalions equipped	ST Engineering, ST Electronics, ST Kinetics and DSTA	Joint fielding to 2nd Battalion of ACMS with Terrex IFV in 2011	Further R&D work on rationalising legacy equipment notably NVG, navigation and security
Spain  UPDATED	Combatiente Futuro (ComFut)	Design and Development Phase with 36 systems concluded November 2010 Production phase planned from 2011 planned. Further testing expected instead	Cassidian prime contractor plus Indra Sistemas, Iturri, Amopack SL, Fedur and GMV	No decision yet on post Design & Development Phase plan	Trials in July 2011 focusing on weapon rail mounts, optronics configuration and power system. Also testing of ventilation systems
Slovakia 	Prokročily Individualny Bojovny 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	Magic Corporation plus Cassidian, Thales and H&K for trials using 'IdZ-1/BS' equipment	Fielded new load carriage systems and personal protection including Helmet	New assault rifle from 2017

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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	New load carriage and camouflage fielded 2011
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	To be awarded	Recent acquisition in night vision, communications and navigation	R4 replacement in long term
Sri Lanka 	Special Infantry Operations Team (SIOT)	Continuation of counter-LTTE strategy	Various suppliers	Requirement for additional NV sights and navigation equipment per Team and two new under barrel GLs per team	The SIOT were developed as a concept by the infantry to fight and defeat the LTTE in sub conventional, guerrilla and counter insurgency warfare
Switzerland  	IMESS (Integriertes Modulares Einsatzsystem Schweizer Soldat)	Sept-Oct 2008: Field trials Since Nov 2008. Planning of maturation phase Spring 2011. Field trials 2011 and qualification acquisition of a further 100 system. 2015/16 – first series production	Cassidian & Sagem selected as prime contractor November 2007 Other partners are Kongsberg, SSZ, Ascom, Mowag and Phonak	SwFr.20m award in March for advanced production engineering upgrading existing systems to production standard and adding more systems	Beginning long term test phase with 43 infantry systems and 9 vehicle integration kits. Kongsberg developed SR600 to add simultaneous four squad, a platoon and a company voice networks
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	To be awarded	Dec. 2010 award I2 Monocular NV Devices from Theon Sensors. Competition for 10,000 CBRNE suits began April	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

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Thailand 	SFT 21	Concept phase	To be awarded	Acquired Tavor in 2007	Infantry operate ITL Mini SEAS NVG
Turkey 	'Future Soldier'	Concept phase	To be awarded	Fielding PRC-9651 hand-held SDR at squad level	Aselsan demos 'BATUR' Dismounted BMS at IDEF in May
United Kingdom  UPDATED	Future Integrated Soldier Technology (FIST) 1a	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, Uniscop, Vectronix, Olympus and Istec	DC3 programme worth completing	General Dynamics in negotiations to replace FMS TIGR with COTS GeoSuite in the phase 3 of Tactical Situational Awareness UOR. Vectronix awarded additional contract for 1400 Commanders Target Locator/ Moskito in June
United Kingdom  UPDATED	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	Part of System Integration epoch
United Kingdom  NEW!	FIST 3	In Epoch 3/2021-25. Main item is new assault rifle Initial Gate from 2013-14	TBC	Will include next iteration of DSA	Goal to reduce soldier burden from 40-30kg
United States  UPDATED	Marine Expeditionary Rifle Squad (MERS)	Continuing Soldier as a System approach	Various Suppliers	Awarded two contracts for Family of Load Bearing Equipment to Eagle Industries Unlimited and Propper International worth \$97.5m to complete in September 2012	New anthropometry database issued in Feb. Marine Corps Load Effects Assessment Programme ongoing
United States  UPDATED	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	Rockwell Collins, Raytheon and General Dynamics	Concepts tested at NIE 12.1. MS B in early 2012	Initial requirement for 20,511 systems in first five years of production

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United States 	Land Warrior	Development complete	General Dynamics C4 Systems	Development complete	Legacy 'Manchu' equipment used widely in FCS/E-IBCT work
United States 	Air Warrior	Began 2003. Increment 3 now completing delivery	Includes BAE Systems, Westwind Technologies, Carleton Technologies, Med-Eng Systems, Raytheon, Secure Communication Systems, Telephonics, General Dynamics C4S and Science and Engineering Services	Fielding Survival Kit Ready Access Modular, Dual EDM and Encrypted Aircraft Wireless Intercom System in FY11	Equips every UH-60 Blackhawk A, L and M in the fleet and the CH-47 D and F Chinook
United States  UPDATED	Air Soldier	Programme strategy currently under review. Decision in early 2012. Original Contract award for Air Soldier Inc 1a is expected in 2011 IOC FY13 Helmet. Sub-Increment 1b FY 16 IOC). Sub-Increment 1c FY 19 IOC	To be awarded	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	Final sub-increment of Air Soldier focuses on the full integration of Air Soldier capabilities with a net weight reduction of approx. 25 lbs
United States 	Mounted Warrior/ Mounted Soldier System Inc 1	Contracts in 2005. 165 systems deployed with 4th Battalion 9th Infantry Regiment in Iraq in 2007-8	General Dynamics C4 Systems and Microvision	Increment I provided the Mounted Warrior Helmet-Mounted Display	Became MSS Increment I
United States 	Mounted Soldier Systems Inc. 2	EMD phase awarded May 2009. LUT Summer 2011. Est. MS C in 4Q2011	Rockwell Collins, Thales Comms Inc.	MSS will cover HMD, Cordless Comms, Microclimate cooling and Soldier force protection	Will initially equip M1-A2 SEP V2, M2-A3 Bradley, M3-A3 Bradley and M113 Medical Evacuation Variant vehicles