AGENDA

• Opening Address by Head Land Systems – MAJGEN David Coghlan

• System Program Office Updates
  – Director ARMTSPO – Malcolm McKeith
  – Director SMSPO – LTCOL J-P Ouvrier
  – Director SMSPO Sustainment – Greg Weichard

• Morning Tea (1030 – 1100)
  – Director CLOSPO – COL Shaun Hoffmann
  – Director HLTHSPO – Troy Quinn
  – Director Diggerworks – COL Richard Barrett

• External Presentations
  – Mr Mike Phelps – Victorian Government
  – Ms Charlotte Morris – AIDN
  – Dr Mark Patterson – DSTG
  – Ms Sabrina Way – eProcurement
  – Mr Peter Pool – ASDE

• Lunch

• Network and exhibitions (1330 – 1500)
ARMAMENT SYSTEMS
PROGRAM OFFICE

Malcolm McKeith
Director

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Key Roles and Activities

Small Arms Fleet
  – Supports the sustainment and disposal of commercial off the shelf, military off the shelf and specialised weapons up to 7.62mm (not including crew served weapons) and attachments.

Direct Fire Support Weapons Fleet
  – Supports the sustainment, maintenance and disposal of machine guns, anti-materiel rifles, grenade launchers and anti-armour weapon fleets, including support to a number of weapon mounts, sighting systems and training aids.

Surveillance Systems Fleet
  – Supports the sustainment, maintenance of Night Fighting Equipment, Thermal and Laser, Optical Surveillance Equipment, and Night sighting systems.
Key Roles and Activities (cont)

Land 40 Phase 2 – Direct Fire Support Weapons
- Delivered 84mm M3 Carl Gustaf and a BAE Systems thermal sight in 2010.
- Light Weight Automatic Grenade Launcher (LWAGL) and a Fire Control System.

Land 125 Phase 3C – Lethality
- Enhanced version of F88 weapon system with improved ammunition interoperability, 40mm Grenade Launcher Attachment (GLA) and a range of weapon ancillaries.

Land 53 Phase 1BR – Night Fighting Equipment Replacement
- Improved military off the shelf (MOTS) Night Vision Goggles (NVG); and a more ergonomic helmet mounting systems (Mounts and Head Harnesses) and Laser Aiming, Illumination Device (LAID) and Laser Aiming Illumination Range Finding Device (LAIRD) for small arms weapons.
Projects

**Land 40 Phase 2 – Direct Fire Support Weapons**
- 40mm Light Weight Automatic Grenade Launcher (LWAGL).
- Managed as a “Project of Concern”.
- Acquisition and Support Contracts with NIOA.

**Land 125 Phase 3C – Soldier Enhancements (Lethality) Enhanced F88**
- Enhanced F88 with Grenade Launcher Attachment – Thales Australia.
- Weapon ancillaries include day sight, Image Intensifier, Thermal Imager, fore grip, torch and bipod.

**Land 53 Phase 1BR – Night Fighting Equipment Replacement**
- Tender Closed July 2014.
- 2nd Pass Mid 2016.
Future Outlook

Current/upcoming opportunities
- Small Arms Targets RFT (Tranche 1) released in Oct 15. Contract Signature in Mar 16.
- Standing Offer for Small Arms Targets RFT new requirements (Tranche 2 - Q3 2018).
- Polymer Weapon for Land 125 Ph 3C RFT to be released Q3 2016.

Industry Visit Program
- Contact ISSB Industry e-mail.
Soldier Modernisation
Systems Program Office - Acquisition

LTCOL J-P Ouvrier
on behalf of
David O’Brien
Director

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SMSPO - Key Responsibilities

LAND 125 Phase 3B
- Delivery of the Soldier Enhancement Version 2 – Survivability (Soldier Combat Ensemble)

LAND 2110 Phase 1B
- Improved capabilities against existing and emerging Chemical, Biological, Radiological and Nuclear (CBRN) threats, including environmental hazards

LAND 3025 Phase 1
- Deployable Special Operations Engineer CBRN Capability
LAND 125 Phase 3B – Soldier Survivability

• Individual survivability components that provide the combatant with increased body, ocular and hearing protection, as well as improved load carriage capability

• Soldier Combat Ensemble
  – Protection Elements (Combat Body Armour)
  – Load Carriage Equipment
  – Combat Helmets
  – Combat Hearing Protection
  – Ballistic and Laser Protective Eyewear

• Government approval (Second Pass) achieved on 1 Jul 14

• Separate contracts for each element of the SCE

• Rollout commenced in Apr 15
LAND 2110 Phase 1B

• Improved capabilities against existing and emerging CBRN threats, including environmental hazards

• Seeking technologically mature capabilities - Commercial Off The Shelf (COTS) or Military Off The Shelf (MOTS) items

• CBRND capability sub-systems:
  – Detection, Identification and Monitoring
  – Warning and Reporting
  – Physical Protection
  – Hazard Management
  – Medical Support

• Tender released on 15 Jan 15 and closed on 15 Jun 15

• Tender under evaluation

• Government approval (Second Pass) planned for Apr 17
LAND 3025 Phase 1

- Establish a specialised and rapidly deployable counter-CBRNE Special Operations capability
- Seeking technologically mature (COTS/MOTS) capabilities
- Industry engaged by an Expression of Interest and a Panel of Suppliers established
- Majority of preferred tenders selected - approx 58/63 mission systems
- Government Approval (Second Pass) planned for mid 2016.
SMSP0 (Projects) Key Staff

Director
David O’Brien
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Project Director
LAND 125 Phase 3B
LTCOL J-P Ouvrier
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Project Director
LAND 2110 Phase 1B
Glenn Streatfeild
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Program Director
LAND 3025 Phase 1
Pat Meehan
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Soldier Modernisation Systems Program Office - Sustainment

Greg Weichard
Director

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Key Roles, Activities and Achievements

Soldier Combat Ensemble Fleet
- Combat Protective Equipment includes body armour, helmets, eye and hearing protection, load carriage equipment

Field and Aerial Delivery Equipment Fleet
- Personal Field Equipment includes canteens, packs, trunks
- Non Lethal Force Equipment includes shields, batons,
- Aerial Delivery Equipment includes parachutes, rigging equipment
- Adventurous Training Equipment includes kayaks, abseiling, ropes

Chemical, Biological, Radiological, Nuclear and Explosive Defence
- Equipment used for detection and protection in a Chemical, Biological, Radiological, Nuclear or Explosive hazard environment
Current Tenders Under Evaluation

• Cups and Canteen
  – Completed 1st Quarter 2016

• Entrenching Tool

• Knee and Elbow Pads
  – Outcomes 2nd Quarter 2016
Future Tenders for Field Equipment

• Multi-tool
  – Army is reviewing its requirement
  – Open tender release December 2016 ($560k)

• Duffle Bags
  – Army is reviewing its requirement
  – Open tender release October 2016 ($700k)

• Face Paint, Camouflage
  - March - April 2016 Standing Offer release
  - $1.2 - $1.7m over 5 years
SMSPO (Sustainment) Key Staff

Director
Greg Weichard
(03) 9282 3817

Sustainment Manager
Field Equip, ADE, Combat PPE
Marc Sperandeo
(03) 9282 6865

Sustainment Manager
CBRNE
Nick Tyrell (Acting)
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Key Roles and Activities

- **Combat Clothing** - Uniforms, footwear and clothing accessories worn specifically for the conduct of combat operations.

- **Non-Combat Clothing** - Uniforms, footwear and clothing accessories worn for the purpose of military duties other than the conduct of combat operations. It includes clothing of a military and non-military nature and personal protective clothing.

- **Accoutrements** - Items worn to distinguish service, corps and trade, rank and special appointments. Includes Metal Insignia, Embroidered Insignia, Sashes, Lanyards and Aiguillettes. Accoutrements are worn with both combat and non-combat clothing.
Key Activities

- **Non-Combat Uniforms (NCC)**
  - Ongoing ceremonial requirements
  - Modernisation of uniform design and performance in terms of design, fabric, fit and function of selected Non Combat Garments.
  - The Army Service Dress Uniform – Design enhancements include:
    - Cut/Design
    - Size Range
    - Fabric
    - Colour
- Other areas of consideration include Maternity Wear, Utility Jackets and Service Dress Shirts.
- Enhancements being considered by Navy and Air Force.
Head Dress
Broad Brim Hat, Air Force Baseball Cap, Unit Cap, Garrison Cap, Kepi Cap, Beret or Hat Fur Felt.

Under Shirt
Air Force dark blue t-shirt, Unit t-shirt or brown t-shirt (until 2019).

Brown Terra and Safety Boots
Authorised for wear until 2019.

Black Terra Boots
Upon exchange of unserviceable brown Terra boots through fair wear and tear only.

Black Safety Boots
Upon exchange of unserviceable brown safety boots through fair wear and tear only.

Belts
Chain of Command can approve military style belts to be purchased at member’s expense.

GPU Jacket
Roll out to occur to southern states initially.

GPU Tarmac Jacket
Available for flightline personnel only from mid 2016.

Note: Personnel will only be entitled to either GPU Jacket or Tarmac Jacket.

GPU Wet Weather Ensemble
Roll out to Security Force Squadrons and Point of Entry Units initially during 2016, with roll out to remaining members from 2017.

Details on the roll out schedule of all garments can be found on the Deputy Chief of Staff, Air Force Headquarters website on the DRN or email: HCACGP@airmiltel.au
Tenders

- **Non Combat Clothing**
  - NCC Standing Offer Deed was signed on 30 Apr 15 for provision of NC Uniform items (Work Package 1), with options for the remaining NCC products (Work Package 2) and potential supply chain services (Work Package 3).
  - Deed was signed with an initial term of three years (2018), with two by three year extensions at the Commonwealth’s discretion.

- **Combat Clothing**
  - The SCU comprises of the shirts and pants for the range of camouflage clothing (DPCU, DPNU, AMP, AMCU, MMPU and GPU).
  - Deed signed on 17 Dec 12 for an initial term of five years (2017), with four by one year extensions at the Commonwealth’s discretion.
HEALTH SYSTEMS PROGRAM OFFICE

Troy Quinn
Director

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Projects

- JP2060 Ph3 – refresh and further enhance the ADF’s existing Deployable Health Capability through a ‘whole of system’ approach to acquisition and support.
  - First Pass Approval scheduled for August 2016.
  - Industry Briefing scheduled mid to late 2016.
Future Outlook

Current/upcoming opportunities

• Pharmaceuticals and Medical & Dental Consumables (MDC)
  – Seeking a Prime Vendor
  – Tender release March 2016

• Combat Ration Packs (CRP)
  – Seeking a Prime Vendor for CRP and ancillaries
  – Tender release mid 2016
Future Outlook

Current/upcoming opportunities

• Medical & Dental Equipment (MDE)
  – Seeking a partnering arrangement with a contractor to:
  – Source, procure and introduce into service MDE
  – Produce technical documentation
  – Tender release mid 2016

• Garrison Managed Equipment Service (MES)
  – Part B of MDE contract
  – MDE contractor will assist to design, transition to and administer Garrison MES
  – Must be willing and able to undertake both MDE and Garrison MES
HLTHSPO Key Staff

- **Director**
  - Troy Quinn
  - (03) 9282 6735

- **Sustainment Manager**
  - Karl Meadows
  - (03) 9282 6749

- **Project Director JP2060 Ph 3**
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- **Chief Engineer**
  - Bart Kaymakci
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- **Project Director Prime Vendor**
  - Emma Enever
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Integrated Soldier Systems
Development Directorate

Diggerworks

Colonel
Richard Barrett
Director

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Key Roles and Activities

Diggerworks is to identify options and deliver **integrated soldier combat systems solutions** in order to enhance the capability of the combatant.

**Soldier Combat System**
- ‘The equipment used by a soldier to apply lethal or non-lethal effects, communicate and gain situational awareness, survive, sustain, move and operate as part of a team within the close combat environment’.

**Soldier Combat Ensemble**
- ‘The integrated soldier systems that are designed to provide protection to individual combatants from physical threats and the environment as well as facilitating an efficient means for an individual to carry Mission Essential Equipment in a close combat environment’.
The effects required at subsequent layers provide collective benefits, but still need to be physically integrated with an individual combatant’s SCE.

Different equipment solutions may be required at different ‘layers’ to allow the individual to complete their particular role.
Adaptive Methodology

• **Identify the problem or requirement**
  – Internal
    • Configuration Management Systems Integration
  – Engagement
    • Users
    • allies
    • threat analysis
  – From modernisation concepts

• **Analyse options**
  – Technology evaluation
  – Industry engagement

• **Develop or identify the integrated solution**
  – Science and Technology
  – Design Engineering
  – Test and Evaluation

• **Report to Army**
  – Update user requirement/capability need for modernisation
  – hand off to a Systems Program Office for development (acquisition).
Configuration Management and Systems Integration

- **Configuration Management**
  - Physical baseline
  - Functional baseline

- **Systems Integration**
  - Reducing / eliminating negative ‘emergent properties’ of the SCS when equipment is combined
  - Refining the physical interfaces between equipment and the operator
  - Providing feedback to projects and Army on SCS integration concerns
  - Feedback on physical equipment design issues to minimise any potential impact on the SCS.
Development and Modernisation

- Adaptive Acquisition / Sustainment
- LCE
  - Scalable TBAS
  - “Marinised” TBAS
  - Specialist packs
- Protective Elements
  - Materiel improvements
  - Threat increases
  - Human (ergonomics/coverage requirements)
- Power and Data management
  - Generation
  - Distribution
  - Management
  - Storage
  - Interfacing with devices
SCS Evolution – The Journey

ADF Combatant 1999

ADF Combatant 2012

ADF Combatant 2013

ADF Combatant 2015
Diggerworks Key Staff

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Please email diggerworks@defence.gov.au if you wish to contact the team directly on proposed enhancements to the soldier combat systems.
The Capability Acquisition and Sustainment Group (CASG) purchases and maintains military equipment and supplies in the quantities and to the service levels that are required by Defence and approved by Government.