



The Soldier: America's Most Deployed Combat System



Product Manager Clothing and Individual Equipment Personnel Airdrop Overview Parachute Industry Association

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Agenda



- Purpose
- PEO Soldier Organization
- Capitalizing on Industry/Government Partnering
- PM CIE Solutions
 - Near Term Opportunities for PIA Members
- Developmental Efforts
 - Near Term Opportunities for PIA Members
- Technology Inserts



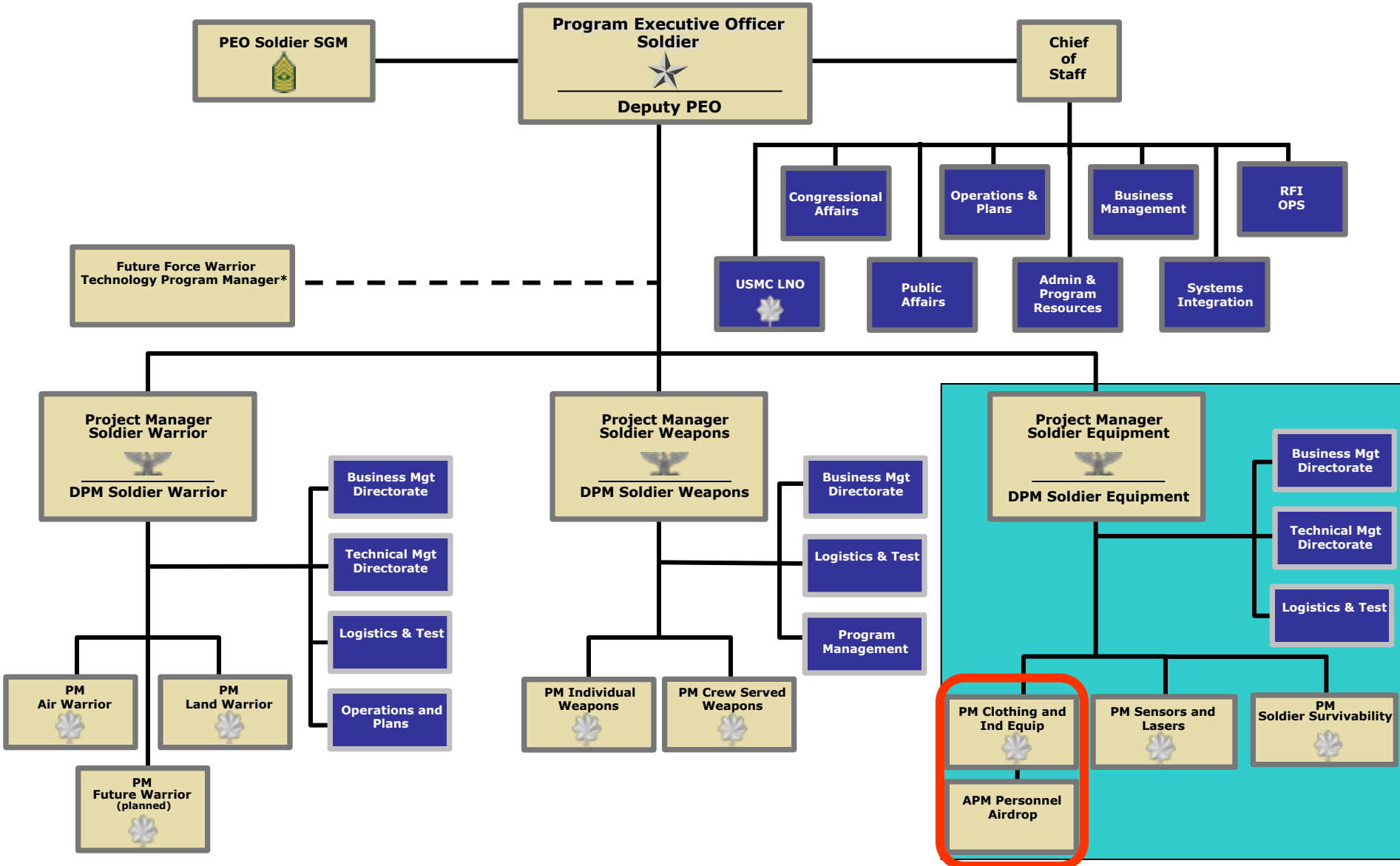
Purpose



To provide interested members of the Parachute Industry Association an overview of PM CIE near-term initiatives and product developments within Personnel Airdrop



Program Executive Office Soldier





Capitalizing on Industry/Government Partnering



- Information Sharing
 - Industry is far ahead of the military with respect to the design of the RAM Air Parachutes
 - Better Modeling and Simulation
- Near Term Opportunities (2007-2009)
 - Military Freefall Developments
 - MC-6 Production
 - T-11 Production
- Future orders now have predictability
 - MC-6 production began in 2005
 - T-11 production expected to begin 2008



Personnel Airdrop Solutions



- Once requirements are received by PM CIE
 - Acquisition process begins
 - Acquisition strategy is based on:
 - Requirements driven
 - Technology maturity
 - Life Cycle Costs and Joint Interoperability
- Approaches available to find solutions to a requirement
 - Modified Commercial-Off-The-Shelf (COTS) products
 - Developmental Programs
 - Technology Insertion/Product Upgrades



Modified COTS



- Maneuverable Canopy – 6 (MC-6)
 - Brings together a commercial product (SF-10A main canopy) and Government products (ATPS reserve/harness)
 - LRIP option awarded in 2005
 - Full Rate Production Contracts awarded on 21 Apr 06
 - One-for-one Replacement for MC1-1 Series
 - Replacement of approximately 19,000 systems (2006-2012)
- Special Ops Ram Air Parachute System (SOARAPS)
 - Use commercially available main parachutes and container systems capable of meeting Aerial Infiltration requirements
 - Market Research completed in Jul 06





Near Term Opportunities



- New Ram Air Parachute System Requirements
 - Must provide for increased jumper exit weight (up to 450 lbs)
 - Static Line and MFF capable (either over the shoulder ripcord or bottom of container hand deployed)
 - Provide a lift to drag ratio of 3 to 1
 - Hybrid main canopy design
 - Reduced opening shock at exit altitude
 - Must be EAAD compatible using 1500 ft model
 - Full adjustable harness that will fit the 5th to 95th percentile individual
 - Provide equipment attaching points
 - Compatible with the High Glide parachute system
 - Compatible with bail out oxygen systems
 - Improved flight characteristics and landings
 - Operation altitude ranges from 3,500 ft to 25,000 ft MSL



Near Term Opportunities



- Design Validation / User Evaluation Occurs Sep – Dec 06
 - Currently planning to validate four systems
- Request for Proposal anticipated Dec 06
 - Test prototypes and production options
- Testing anticipated Jun 07 until complete
- Full rate production anticipated Mar 09 (2,000 systems)



Development



- ATPS T-11
 - Length of project demonstrates Army's commitment to replace T-10/MIRPS
 - Testing completed in FY 07
 - Production to start in FY 08
 - One-for-one replace for T-10 series
 - Replacement of approximately 52,000 systems
 - QPL Sources Sought Synopsis 1QFY07
 - Operational testing from Jan – Aug 07
 - Full Rate Production Decision anticipated Dec 07
 - Contract award anticipated Jan 08





Near Term Opportunities



- Military Freefall Navigation Aid
 - Small Business Innovation Research (SBIR) continues in 2007
 - System Development focus is on software and user interface

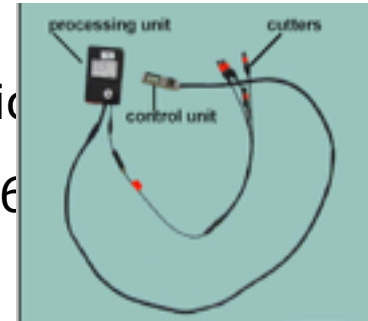




Technology Insertion



- EAAD – Soldier Enhancement Project (SEP)
 - Military variant of a commercially available Automatic Opening Device
 - Testing and Procedure Validation completed in Apr 06
 - Full Rate Production Decision anticipated Sep 06
 - Anticipate purchase of 1,615 systems in FY 06 – FY 09
- Parachutist's Oxygen System
- Upgrade of current oxygen system to focus on jumper safety and joint interoperability
 - R&D efforts take place in 2007
- Technology exists in commercial market place for improvement of all personnel airdrop systems
 - Available Commercial Products
 - Leverage Modeling and Simulation Capabilities





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Questions



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