



PROGRAM EXECUTIVE OFFICE SOLDIER

THE BEST
FOR THE BEST

Personnel Airdrop

Advanced Planning Brief for Industry

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Agenda

- Purpose
- PEO Soldier Organization
- Industry/Government Partnering
- Acquisition Process
- Advanced Tactical Parachute System
- MFF Navigation Aid
- MFF Advanced Ram Air Parachute System
- Parachutist Oxygen Mask
- Modified COTS
- QA for Personnel Airdrop Items

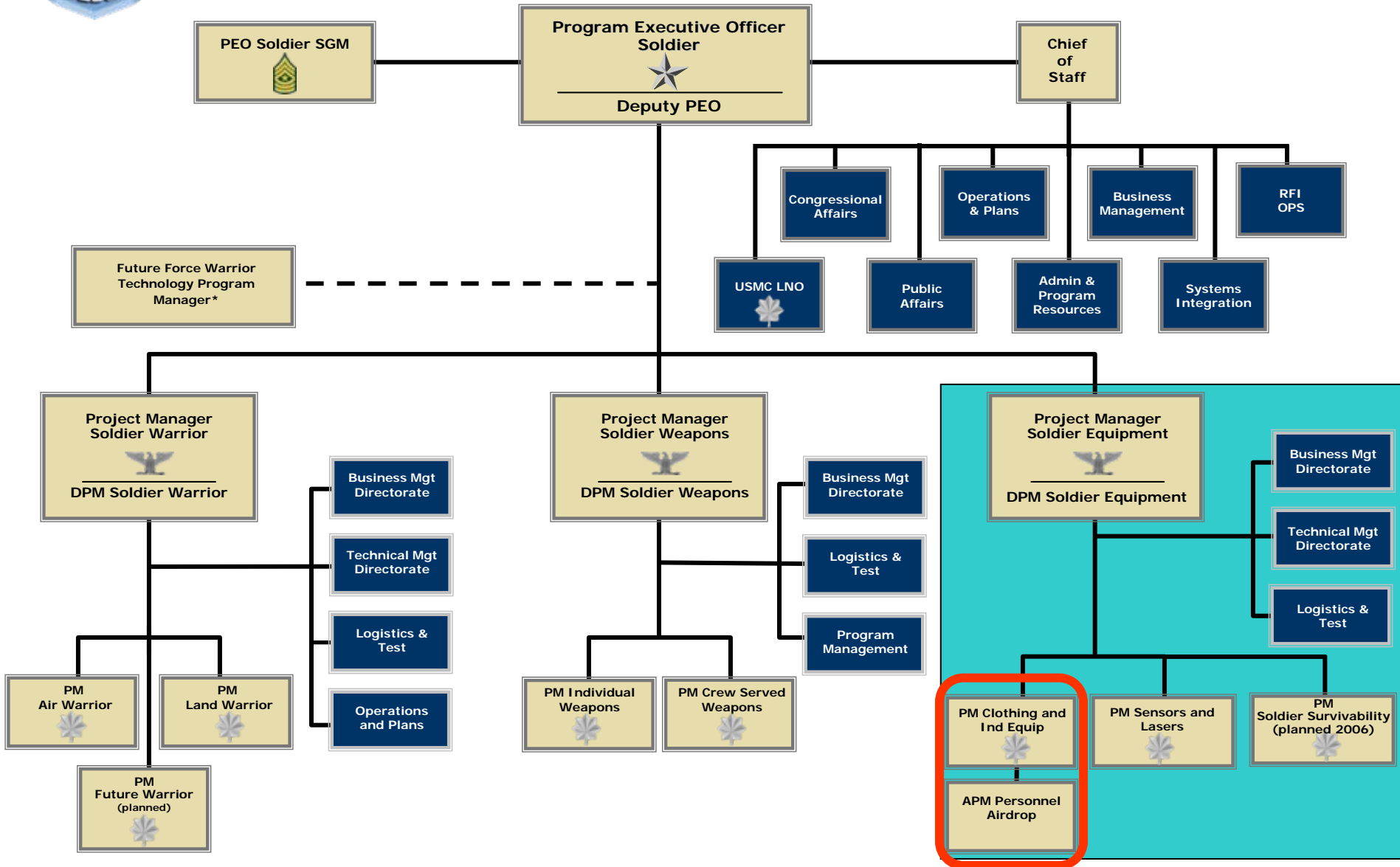


Purpose

To provide manufacturers of personnel airdrop items with an overview of PM CIE Personnel Airdrop Team's current and upcoming product development efforts



Program Executive Office Soldier





Industry/Government Partnering

- **Information Sharing**

- Basis of productive partnering

- **Government**

- Makes industry aware of product development process
- Updates industry on PM CIE airdrop program status
- Leverages industry's expertise and capabilities

- **Industry**

- Provides information on latest products or technologies
- Assists in refining of requirements
- Makes Government aware of their concerns



Acquisition Process

- Requirements are developed by proponent
- PM-CIE receives requirements and initiates programs
- Acquisition strategy is developed based upon:
 - Requirements
 - Technology maturity
 - Life Cycle Costs and Joint Interoperability
- Requirements are addressed through:
 - Modified Commercial-Off-The-Shelf (COTS) products
 - Developmental programs
 - Technology Insertion/Product Upgrades



Advanced Tactical Parachute System (ATPS)



- T-11 Harness
 - Uses Capewell Canopy Release Assembly
 - Maintains four points of adjustment from previous T-11 harness
 - Maintains vertical for jumper under reserve

- Main Pack Tray
 - Uses same diagonal backstrap keepers as T-10

- T-11R Risers
 - Incorporate a 26-in spreader bar of the same material as MIRPS



Advanced Tactical Parachute System (ATPS)

- Program currently in Operational Testing (OT)
 - Feb 08 – Oct 08 at Ft. Bragg, NC
 - 3289 jumps will be conducted during OT to achieve required reliability
 - 1070 OT jumps completed to date
- LRIP Decision: 3QFY08
- FRP Decision: 2QFY09
- FUE: 3QFY09





T-11 QPL Process

- Quality Products List (QPL)
 - Sources Sought Synopsis published Dec 06
 - TDP Update to interested offerors sent on 4 Apr 08
 - Interested manufacturers must request TDP and sign NDAs
 - Manufacturers can submit sample on their own initiative
 - Approved MC-6 contractors need only submit T-11 Main Assembly
 - Acceptance based upon contractors' ability to meet TDP and written proposal
 - First come, first served for evaluation
 - QPL to support forecasted contract award in Apr 09

- Pre-Production Review
 - First session held in Feb 07
 - Second session will be held at Natick in Jun 08



Military Freefall Navigation Aid (NAVAID)

- GPS-based Navigation System with Heads Up Display
- Intended for HAHO navigation under canopy
- Technology Assessment/Development FY08
 - MS B Scheduled for 1Q FY09
 - MS C scheduled for 2Q FY11
- Technology Assessment concurrent with ongoing Development Efforts
 - USMC Cooperative Research and Development Agreement (CRADA)
 - Natick Airdrop Technology Team Small Business Innovative Research (SBIR)
- Options include both Helmet and Chest mounted systems
- System will be integrated with Joint Precision Aerial Delivery System Mission Planner (JPADS-MP)
- System Development focus is on software and user interface





MFF Advanced Ram Air Parachute System (ARAPS)

- System Requirements
 - Commercial Off The Shelf (COTS) system
 - Must provide increased jumper exit weight up to 450Lbs
 - Static Line and MFF capable
 - Reduced opening shock at exit altitude
 - Must be EAAD compatible using 1500ft model
 - Fully adjustable Harness fits the 5 to 95th percentile
- Anticipate program initiation in FY08





Parachutist Oxygen Mask (POM)

- Soldier Enhancement Program (SEP)
 - COTS item - PHANTOM mask
 - Replaceable Regulator
 - Adaptor assembly allows interface with ASFS legacy equipment and PHAOS
- Contract awarded 14 Apr 08
 - Items for DT and OT
 - Options for production
- DT scheduled for 27-30 May 08
- OT scheduled for 1QFY09
- MS C scheduled for 3QFY09
- FUE scheduled for 1QFY10

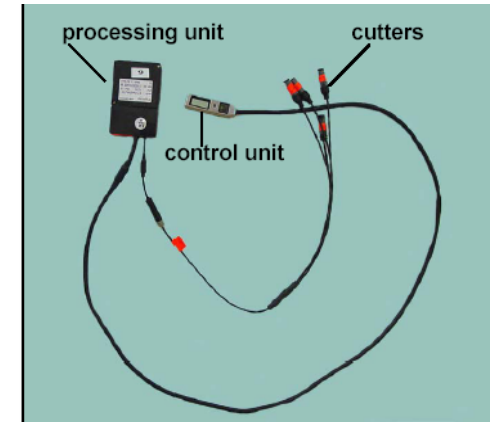




Modified COTS

■ EAAD – SEP Project

- Military variant of a commercially available Automatic Opening Device
- Full Rate Production Decision obtained Sep 06
- Contract was awarded in Mar 07 to purchase 1,500 systems in FY07 and FY08
- FUE completed 29 Aug 07
- 826 units fielded to date



- Technology exists in the commercial market place for improvement of all personnel airdrop systems



QA for Personnel Airdrop Items

- Dealing with life supporting systems
- QA is an integral part of the process
- Frequent visits to facilities during production
 - Perform Audits
 - Conduct Product and Process Reviews
 - Require Supporting Documentation
- Assist in Problem Solving
 - Keep lines of communication open
- Bottom line: safe, Berry Compliant, quality products for the airborne Soldier



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