Automatic Identification Technology (AIT) for Small Arms

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Small Arms Logistics
• Background
• Hardware
• AIT Logistic Processes
• Cost/Savings
• What’s Our Role?
• Plan of Action/Milestones
• Summary
BACKGROUND

DEMONSTRATIONS

• Proof of Concept Demonstration, 300th Area Support Group, Ft. Lee, VA, 2001, 130 weapons

• Proof of Concept Demonstration, Fort Eustis, VA, Headquarters Company (HHC), Seventh Transportation Group, 2001, 125 weapons

• Proof of Principal, Naval Amphibious Base Coronado, San Diego, California, Navel Special Warfare Command (WARCOM), SEAL Team Five, 2001, 3668 items
BACKGROUND

DEMONSTRATIONS

• Proof of Principal, Navy Smart Card Office Pilot, Hawaii, 2001, 250 weapons

HARDWARE

...Using proven, reliable COTS products

- Symbol 2800 series palm sized computer system running the Microsoft Pocket PC operating system
- MacSema 4K Micro buttons
- Dell desktop workstations using Windows XP

4K Micro Buttons
HARDWARE

CMB attached to receiver near serial number on the accountable portion
• Inventories
• Receipt/Issue of weapons
• Unique Item Tracking (UIT)
• Reports
  ✓ Weapons Available
  ✓ Inventory Activity
  ✓ Issued Weapons
  ✓ Inventory Reconciliation
COST TO OUTFIT
ARMS ROOM

- CMB’s (300@$11.61) $3,483
- Hardware $1,650
- Installation/Set-up $1,000
- Training/Sustainment $2,500 TOTAL $8,633
**EFFICIENCY per COMPANY**

**PROCESS AS ISTO BE**

INVENTORIES (12/yr) 180 Hrs 15 Hrs

ISSUE/RECEIPT (240/yr) 1440 Hrs 480 Hrs

TOTAL 1620 Hrs 495 Hrs

ANNUAL SAVINGS = 1125 Hrs
What’s Our Role?

- POM Funding
- Software Development Contract
- Prototype/Testing
- Training
- Fielding
Plan of Action

- Establish MOA with PM Soldier Weapons    Jul 04
- SOW for Software Development            Aug 04
- Contract with NAVAIR for software        Oct 04
- Reconfigure Hardware/Software           Nov/Dec 04
- Conduct Prototype/Testing               Feb 05
- Field AIT with M8                        Sep 05
- Support Hardware/Software infrastructure Ongoing
SUMMARY

• Enhances accountability of small arms
• Saves precious dollars
• Frees soldiers for core mission
• Complies with DoD Policies on AIT/UIT
• Complies with DoD Policy on UID????