



2003 Great Ideas Competition

Asset Identification Management

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"Maintenance - Keystone of Mission Readiness"

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Accurate Information – Keystone to Maintenance



DoD Unique Identification UID

Effective July 31, 2003...

...all program managers for new equipment, major modifications, and reprocurments of equipment and spares shall begin planning to apply Unique Identification (UID) on tangible items...

UID is a mandatory DoD requirement on all solicitations issued on or after January 1, 2004.

An item will be uniquely identified if it is:

- (1) greater than \$5,000 in acquisition cost,
- (2) a piece of equipment or a reparable item less than \$5,000 in acquisition cost that is either serially managed, mission essential or controlled inventory, or
- (3) a consumable item or material only if permanent identification is required.

Mr. Michael Wynne, Acting Under Secretary of Defense
for Acquisition, Technology and Logistics

Parts Marking

- Application of Automatic Identification Technology (AIT) to tangible assets
- Generation of a Unique Instance of a Part
- Methods:
 - Direct
 - Labels
 - Memory Devices



Why Mark Parts?

- UID Compliance
- Illegible marking
- Incomplete marking
- Corrosion/Wear
- Errors in data transcription
- SN duplication
- Ensure Identity



Enterprise Systems need Accurate Data!

Marking Strategies

- **Vendor Marked at Source (VMAS)**
 - Marks applied by vendor during manufacturing process
- **Intercept Gate Parts Marking (IGPM)**
 - Intercept gates set up within the supply chain
- **Opportunistic Parts Marking (OPM)**
 - Linked to program opportunities or long term maintenance
- **Seek and Mark Parts Marking (SMPM)**
 - Should not be routinely used

Challenges of OPM

- What are the problems associated with legacy fleet marking?
 - Technical data preparation and review
 - Geographically displaced assets
 - Movement of assets
 - Large number of assets
 - Need to ensure
 - Standard marking process
 - Control of serial number generation
 - Centralized coordination and reporting

Our Great Idea:



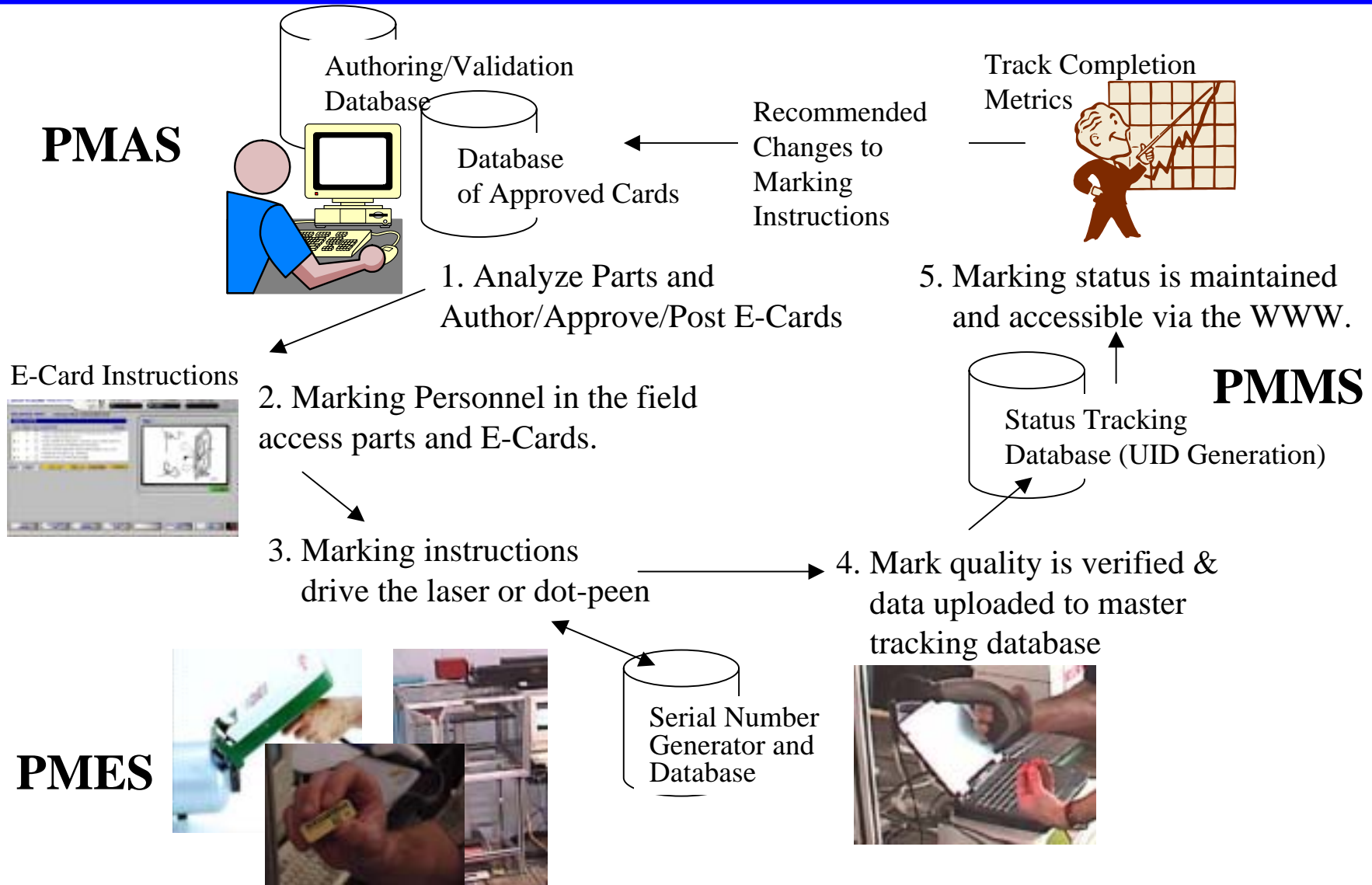
Enabling
Asset Identification Management

Trailer for Sale or Rent...

- Mobile Marking Environment
- Comprehensive Marking Capability
 - Labels/Direct
 - Multiple Marking Stds
- Fully Self-Contained
- Linked to Master Database.
- Marking Management Services
- U.S. Patent Pending (10/033,699)



OPM Process



and it Works...

- Army AATD Pilot Program
 - Part Analysis Process
 - Approval
 - In-Situ Marking/Verification
 - Automated CM Load
- Deployed to Army National Guard – Reno
- Scheduled for AH-64 DMAD AIT application Dec 2003.



Questions?

There is nothing as Powerful as an Idea whose time has come.

Victor Hugo



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