



## Part Marking Master's Input

Honeywell - Torrance (Kelvin DeWinter)

Honeywell - Toronto (Dan Cosman)

Pratt & Whitney - Connecticut (Andy Jay)

Progeny Systems - Connecticut (Ron Lounsbury)

Rolls Royce - UK (Nat Russhard)

***Leading The Way To MRI With Automated Data Capture!***







Strength through Industry & Technology



## Master's Perspective - SMART Implementation

✓ Simple Rules







## Master's Perspective - SMART Implementation

- ✓ Simple Rules
- ✓ Manage Implementation







## MANAGE IMPLEMENTATION!

- ✓ Engage a diverse implementation team
  - ✧ Contracting, procurement/supplier management engineering, operations, information systems, sustainment organizations
  - ✧ Major Customers, DCMA, suppliers, sub-tiers
- ✓ Standardize and disseminate plan elements and expectations
  - ✧ Global policy regarding transformation (5-10 year plan)
  - ✧ Communication and training plans
  - ✧ Performance metrics
  - ✧ Harmonize configuration mgmt requirements with marking and data requirements
  - ✧ Manage supplier flow-down and costs
- ✓ Build energy and excitement regarding transformation
  - ✧ Engage
  - ✧ Communicate, communicate, communicate!

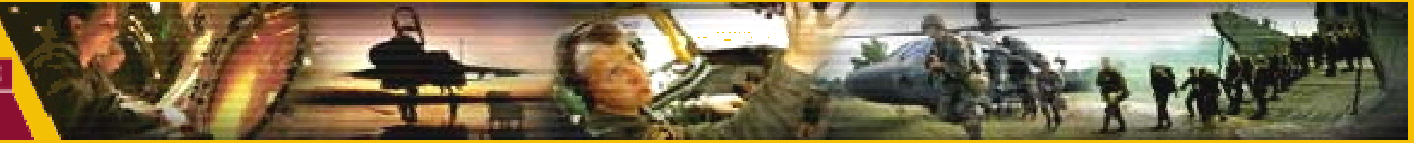


## ADVANCED PLANNING!

- ✓ Agree to MRI products/items listing
- ✓ Identify current state and capabilities
  - ✦ How items are marked...with what data elements (uses)
  - ✦ Technology utilized and types of equipment
  - ✦ Location of product/item “touch points”
  - ✦ Location of product/item “data capture touch points”
  - ✦ Information Systems potentially affected
    - Data elements, uses and current integration
  - ✦ WAWF and IUID Registry integration (process flows)
  - ✦ Supporting documentation
- ✓ Agree to data elements listing (integrated with use cases)
  - ✦ Internal value
  - ✦ Customer requirements
  - ✦ External value







## Master's Perspective - SMART Implementation

- ✓ Simple Rules
- ✓ Manage Implementation
- ✓ Advanced Planning
- ✓ Reduce Costs



## REDUCE COSTS!

- ✓ Drive automated reading of marks and data transfer to eliminate manual key stroking, manual quality errors and processing time throughout the entire lifecycle!
- ✓ Minimize legacy system changes...utilization suggestions
  - ✧ Keyboard wedge technology to feed legacy and new systems
  - ✧ Automate pull of import text files into legacy and new systems
  - ✧ Distribute numerical control system to store saved marking system instructions (patterns)
- ✓ Standardize marking formats
  - ✧ Suppliers benefit as well





## REDUCE COSTS!

- ✓ Devise formal, documented training programs
  - ✧ Team members, marking and verification equipment operators, data capture operators, suppliers
  - ✧ Be creative....accomplish training via internet web meetings
- ✓ Provide continuing support to suppliers
  - ✧ Standardize information to suppliers
  - ✧ Brainstorm with suppliers how to
    - Reduce equipment and marking transformation costs
    - Eliminate errors prior to the “first mark”
      - Offer to review sample marks prior to production and/or require FAIR - First Article inspection Reports



Notify Suppliers of  
FAIR - SAM...

### NOTIFICATION TO SUPPLIERS

**NUMBER** 123 **ISSUE** 001

**DATE** XXX

**ORIGINATOR**

**SUBJECT** UID/Machine Readable FAIR Requirements for Suppliers

The purpose of this letter is to inform you of FAIR (First Article Inspection Report) requirements in regards to direct part marking or machine-readable code requirements.

If you supply to **Company Name**, the following will apply:

- It will require a **Company Name** approval sheet
- A **Company Name** check sheet identifying level of required documentation
- AS9102 form 1 (Form 2 if required)
- Form 3, which shall include certification the equipment used, meets the requirements for marking this includes any special **fixturing** needed for holding the part
- The actual dimension of size for the machine readable data matrix and human readable
- Measurement of the depth of marking
- A sample part for verification to our reader
- Certification the part meets all requirements

Compliance to the above is **mandatory** to satisfy our Quality requirements, and time to achieve a successful FAIR should be factored into the milestones for the plans that need to be submitted to me by **DATE**.

You may feed back your questions to me directly by email or phone.

Thank you for your attention in this matter.

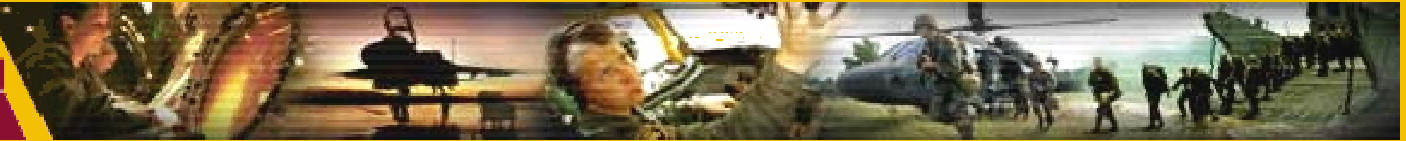


## Master's Perspective - SMART Implementation

- ✓ Simple Rules
- ✓ Manage Implementation
- ✓ Advanced Planning
- ✓ Reduce Costs
- ✓ Transform!







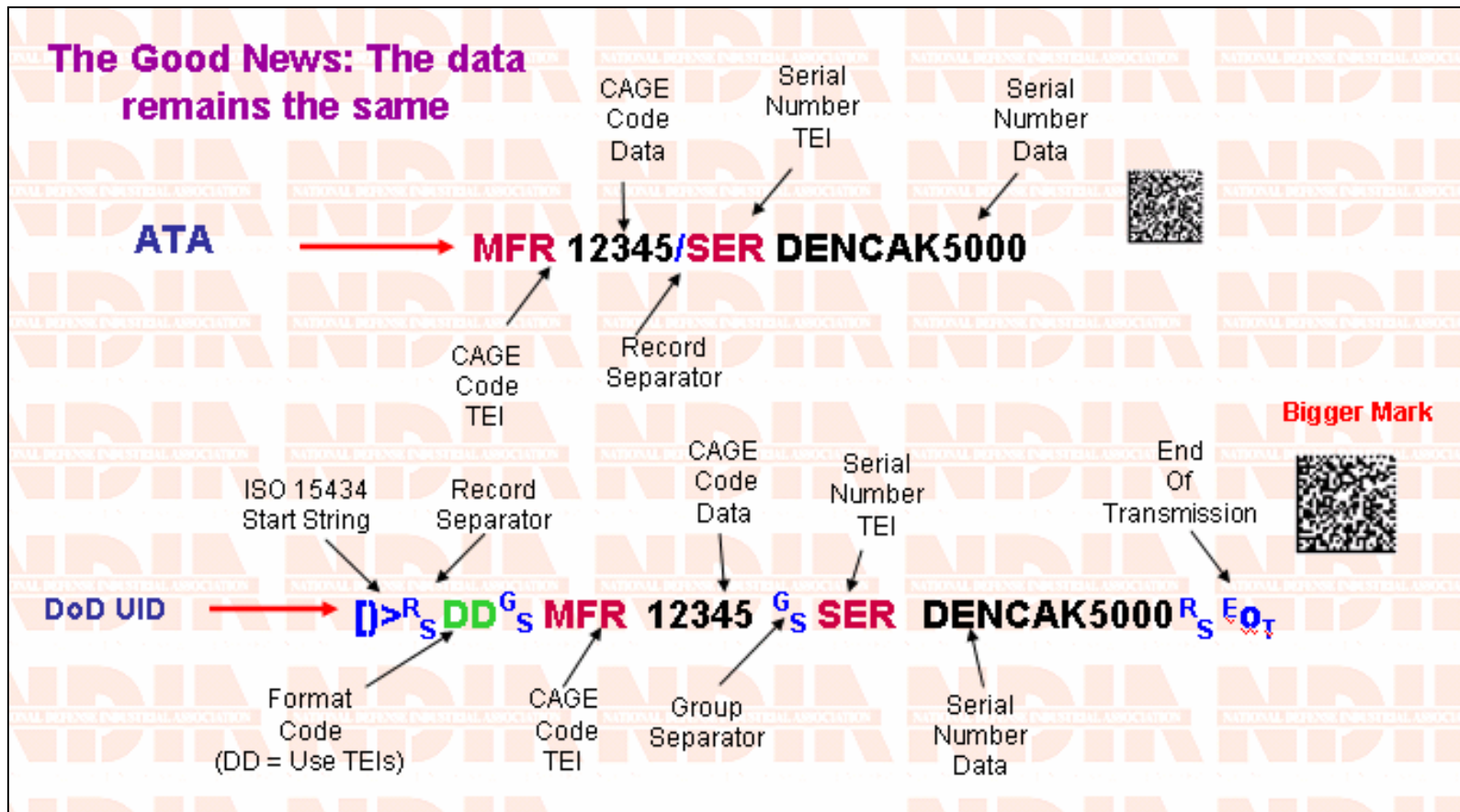
# Technical Information -Lessons Learned-







## Technical Information



The DoD UID Construct is an accepted equivalent to the ATA Construct.







## IN SUMMARY...

- ✓ Simple Rules
- ✓ Manage Implementation
- ✓ Advanced Planning
- ✓ Reduce Costs
- ✓ Transform!

**and...continue to share Lessons Learned!**