

Unique Identification (UID)

- DoD Program Manager Workshop -

March 8, 2005



*Abby Rothman
Corporate UID Pgm. Mgr.
Mark Byrne
Deputy Corp. UID Pgm. Mgr.*

Agenda



- **Lockheed Martin's Journey to Compliance!**
 - *Impact*
 - *Leveling communication*
 - *Corporate UID IPT*
 - *Corporate implementation strategy*
 - *Current State*
 - *Leveraging common toolsets (tailorable)*
- **DoD Program Manager's Journey to Compliance!**
 - *Checklist to an affordability plan*
 - *Understanding your Program's current state and UID approach*
 - *Identifying UID specified parts and insertion opportunities*
 - *Developing an affordable implementation timeline*
 - *Notional estimating costs*
 - *Common and tailorable toolsets*
- **Summary**
- **Lockheed Martin Resources**
- **Q&A**

Presentation Key:

Highlights Lessons Learned!

***Lockheed Martin's
Journey to Compliance***

DoD Strategic Imperatives



- ✓ **Aeronautics**
- ✓ **Electronic Systems**
- ✓ **Information & Technology Services**
- ✓ **Integrated Systems & Solutions**
- ✓ **Space Systems**

IMPACT?

A white thought bubble with a black outline, containing the word 'IMPACT?' in bold black capital letters. The bubble has three smaller circles leading to it from the bottom left.

- *Audit/Compliance*
- *Business Development*
- *Communications*
- *Customer Support/Logistics*
- *Engineering/Planning*
- *Finance & Contracts Management*
- *On-Site DoD Property Management*
- *Information Systems*
- *Human Resources*
- *Legal Counsel*
- *Manufacturing Production*
- *Material Management/Supply Chain*
- *Packaging/Shipping*
- *Procurement*
- *Program Management*
- *Quality Assurance*

Widespread and at Varying Levels!

Impact Drivers At Lockheed Martin



- **2D Data Matrix is not currently prevailing technology at LM**
 - *Industry masters... 3-5+ years to transform & optimize*
- **LM businesses have offered tailored processes and infrastructure...**
 - **Current state varies:**
 - Business area (unit, site, facility) and Program-based infrastructures
 - Part marking/tracking methodologies and information architectures
- **Future state of 2D Data Matrix part marking and associated data flow will vary by location, program**
 - **Customer-centric differences (DoD, Non-DoD)**
 - Resource funding sources
 - Quantity determinations
 - **Business-centric differences**
 - UID maturity - part marking, associated data flow (WAWF), integration with internal processes; UID maturity - supplier base
 - **Product differences**
 - % of new designs
 - % of pre-designed - % of nameplates/labels, % of engineering drawings and/or analysis reviews required; % of product in production, on order, in stock, in use, etc.

Leveling Communication - Overview



Overall Plan

Part A: UID

New DoD Solicitations/ Acquisitions (effective 1/1/04)

Part B: UID

DoD Government Property – DD1662: GFP, GFE, Special Tooling & Equip At Contractor Locations (effective 1/1/06 – DFARS Pending)

Part C: RFID

DoD Packaged Items - Exterior Cases, Pallets And Shipping Containers (effective 1/1/05 – DFARS Pending)

Part D: UID

DoD Legacy Property In Operational Use, In Inventory (pre 1/1/04 and post 1/1/04 escapes – Contract Mods Required)

LM Phase Two - Leverage DoD requirements to assist in business units in continued process (cost benefit) enhancements and institutionalization

Our Journey!



Corp UID IPT Objective

Assist LM Business Units to achieve required UID and RFID capability based on their business needs (minimize cost and schedule impact to technology, valuation and data insertions)

- Phase I – Get it done utilizing Lean toolsets
- Phase II – Optimize and Institutionalize

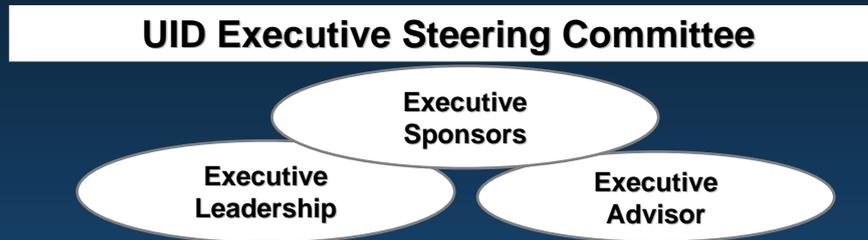
Technical Project Objective

Significantly reduce resource and tool development preparation activities at the business level

Value Proposition Statement

Leverage common toolsets and existing assets to achieve compliance

Corporate UID IPT Membership



- IPT Leadership
- Business Area Leads 
- Audit
- Communications
- Configuration Management
- Engineering & Quality
- Finance – Contracts, Estimating
- Information Services
- International Liaison
- Legal
- Logistics/Customer Support
- I-GUIDES
- Manufacturing & Quality
- Procurement
- Program Management
- Property Management 
- RFID 
- Supply Chain
- Training
- Wide Area Workflow (WAWF)
- Customer Liaisons:
 - OSD
 - DCMA
 - DCAA
- Subcontract Liaison

Integrating Parts A, B, C and D!

Lockheed Martin UID Implementation Approach

- Provides Corporate implementation guidance to our Business Areas and Units
 - *Phased Implementation Structure*
 - *Pursue alternate methods vs. drawing changes*
 - *Contracts and valuation guidance*
 - *Contract strategies (tailoring of MIL-STD-130L Change 1)*
 - *UID supplier base flowdown*
 - *Transition considerations*
 - *Cost recovery methodology*
 - *Data retention*
- Not a contractually binding agreement between Lockheed and DoD, DCMA, etc.

COMPANY
Unique Identification (UID) Implementation Approach
May 25, 2004

1. DOCUMENT INTENT.
This document provides COMPANY business areas and units UID implementation guidance. This document is current as of the date above. Additionally, this is to be used to communicate to Department Of Defense (DoD) the COMPANY's current implementation strategy and plan for conformance to contractual UID and Radio Frequency Identification (RFID) requirements. This document is not contractually binding and may be updated as necessary by COMPANY without notification to DoD.

2. DoD REQUIREMENTS.
In July 2003, DoD announced a Defense Federal Acquisition Regulation Supplement (DFARS) policy for UID of specified tangible items to be required on new solicitations issued on or after January 1, 2004. Interim DFARS 211.274-1 and DFARS clause 252.211-7003 have been issued to direct implementation of the policy. MIL-STD-130L w/ Change 1 required the use of 2D Data Matrix technology and is incorporated in contracts that include the DFARS clause 252.211-7003. This document is not contractually binding and may be updated as necessary by COMPANY without notification to DoD.

3. PARTNER COMPLIANCE.
COMPANY business areas and units are required to comply with the DFARS clause 252.211-7003 and MIL-STD-130L w/ Change 1. The only way to ensure compliance is to ensure that all items are marked with a UID that is globally unique and unambiguous, and that the marking is machine readable. This document is not contractually binding and may be updated as necessary by COMPANY without notification to DoD.

4. EFFECT.
This document is not contractually binding and may be updated as necessary by COMPANY without notification to DoD.

5. INTERIM.
Large Amounts of Items
Direct Part (DP)
Engineering Change Order (ECO)
No 2D Data Matrix
No RFID Capable
Full Informational
Part Contract

COMPANY
Unique Identification (UID) Implementation Approach
February 10, 2005
(Supersedes: May 25, 2004 Document)

1. DOCUMENT PURPOSE.
Unique Item Identifier (UII) means a set of data elements marked on items that is globally unique and unambiguous; and Unique Identification (UID) means a system of marking items delivered to the Department Of Defense (DoD) with unique item identifiers that have machine readable data elements to distinguish individual items from all others.

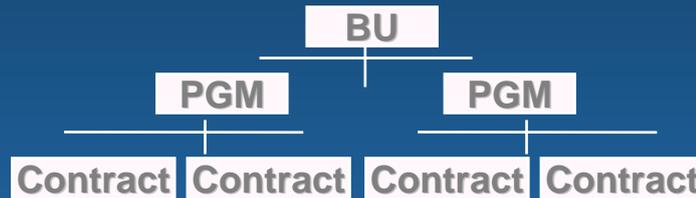
2. DoD REQUIREMENTS.
UID—New Solicitations and Acquisitions (Part A): In July 2003, DoD announced a Defense Federal Acquisition Regulation Supplement (DFARS) policy for UID of specified tangible items to be required on new solicitations issued on or after January 1, 2004. Interim DFARS 211.274-1 and DFARS clause 252.211-7003 have been issued to direct implementation of the policy. MIL-STD-130L w/ Change 1 required the use of 2D Data Matrix technology and is incorporated in contracts that include the DFARS clause 252.211-7003. This document is not contractually binding and may be updated as necessary by COMPANY without notification to DoD.

Update Is Pending Final Approvals!

A DCMA Negotiated Implementation Approach, SPI, MOU?



- At this time, Lockheed Martin does not plan on negotiating a contractually binding Corporate UID Implementation Approach, SPI, MOU, etc.
 - *Relief to requirements is not our overall strategy*
 - *DCMA and PMO participation on UID IPT(s) continues*
- Lockheed Martin Business Areas/Units will determine applicability and use of a negotiated Business Area, Facility or Unit strategy



- DCMA has the authority to grant short term extensions on UID implementation if such extensions are consistent with the implementation schedule of a negotiated corporate or facility strategy
 - *A program may be able to get implementation relief that is consistent with the implementation schedule of a previously negotiated Corporate or Facility (Business Area, Facility, Unit) strategy*

LM Business Area, Unit or Facility & DCMA negotiated implementation approach...will be utilized on an as needed basis only!

“Sample” Implementation Approach – Integrating Parts A, B, C and D



This is a sample planning document for the convenience of COMPANY Business Units and DoD and does not represent a commitment nor offer to perform on behalf of COMPANY or its entities.

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COMPANY (Bus. Area, Facility or Unit) Unique Identification (UID) And Radio Frequency Identification (RFID) Implementation Approach Dated February 17, 2005

FOR PLANNING PURPOSES ONLY!

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Workbook at Part A/C UID related to

Attachment 8 – Overall Imple

12.0 COMPANY CONTACT

Name

Title

Location

Phone Numbers

E-mail

13.0 DOCUMENT CONCURRENCE

The concurrence date of this document is

FOR THE GOVERNMENT

(SIGNATURE)

DCMA UID POC:

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ML-STD-130L, Department of Defense Standard Practice for Identification Marking of US Military Property, – Change 1 requiring the use of 2D Data Matrix technology has been issued. ML-STD-130M is also currently under draft review by government and industry.

- 5.2 OBJECTIVES
- COMPANY's (business area, facility, unit) approach to UID and RFID was developed with the following objectives:
- Provide a cost effective methodology for both COMPANY (business area, facility, unit) and DoD programs to fulfill DoD UID and RFID long-range strategies.
 - Implement a common, phased implementation approach for COMPANY (business area, facility, unit).

5.3 IMPLEMENTATION TEAM

COMPANY's (business area, facility, unit) implementation team consists of representatives from (Programs, Contracts, Supply Chain Mgmt, Engineering, Manufacturing/Assembly, Material Handling, Shipping/Traffic, Government Property, Quality, Logistics, W/AF, Information Systems, I-GUIDES, DCMA, DCAA, Major teaming partners/Suppliers). This team is augmented with support from other functions when needed.

Additionally, there is a COMPANY UID/RFID Program Office that develops common toolsets that can be tailored to the needs of the sites in UID/RFID implementation. To date, over 50 common toolsets have been developed. For example: Estimating toolsets, I-GUIDES, W/AF integration guidance, Subcontractor flow-down guidance, etc. Attachment 6 provides a listing of common toolsets available.

5.4 CONDITIONS AND ASSUMPTIONS

UID and RFID requirements will include the reporting of parent-child relationships between the item and its embedded item U/I upon the item's delivery. Attachment 7 defines Parent-Child and clarifies our approach to parent-child relationships.

- 5.5 CONTRACT STRATEGIES
- COMPANY will consider impact of 130L – Change 1 (or later revision) part if necessary.
- 5.6 UID/RFID MARKING, TAGGING AND VERIFICATION EQUIPMENT
- Selection of marking, tagging, and requirements will be based on B...

5.7 PARENT-CHILD UID RELATIONSHIP APPROACH

UID requirements will include the reporting of parent-child relationships between the item and its embedded item U/I upon the item's delivery. Attachment 7 defines Parent-Child and clarifies our approach to parent-child relationships.

6.0 COST EFFECTIVE IMPLEMENTATION METHODOLOGY

6.1 PART A AND PART D

The ability to apply the 2D Data Matrix technology and provide the data to the DoD UID Registry will be completed by NLT 30X/00/0000.

- 6.1.1 Marking Approach
- When contractually required to apply UID, UID identified items will either be physically marked using 2D Data Matrix technology or assigned a virtual UID number. Associated data will be captured in I-GUIDES and flowed through W/AF and/or to the DoD UID Registry. If contractually directed, a UID listing of specified, serial managed legacy property will be supplied to the UID Registry.
- Newly designed items will be physically marked using 2D Data Matrix technology prior to delivery to DoD.
 - Pre-designed and pre-existing items (in production, on order, in inventory, in stock, or at remote locations, etc. prior to the contract solicitation) will either be physically marked using 2D Data Matrix technology or virtually UID'd prior to delivery to DoD.
 - a. Wherever possible, the 2D Data Matrix UID symbol will be added to existing nameplate and label marking formats. Nameplate and Label individual drawings will not be updated for the sole purpose of U/I insertion until the drawings are updated for some other purpose.
 - b. If a key U/I physical marking opportunity (trigger event) arises to physically mark a virtually UID'd item, then the item will be physically marked with 2D Data Matrix technology maintaining its original virtual UID number. Additionally, associated data will be retained and/or captured as required.
 - c. By Sept 30, 2008, all items that may have been virtually UID'd, still in possession of COMPANY (business area, facility, unit) will be reviewed with the appropriate customers to determine the business case (value proposition) for engineering drawing changes for the sole purpose of U/I physical marking insertion. If physical marking is deemed appropriate, it shall be accomplished NLT December 30, 2010 in accordance with subsequent contract direction.

- 6.1.2 U/I Physical Marking Opportunities (Trigger Events)
- Key trigger events are cost effective opportunities to physically mark an item utilizing 2D Data Matrix technology, such as:
- During major change modifications
 - During minor change modifications if the current making method can easily be modified to add UID content.
 - During major repairs (repairs)
 - During minor repairs if the current making method can easily be modified to add UID content.

6.1.3 Cost Benefits Analysis

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A planning toolset – DCMA negotiated agreement!

Lockheed Martin's Current State



- Engaged in high levels of communication
 - *Executive, Customer and Senior Leadership briefings*
 - *Active member of multiple UID/RFID working groups*
 - AIA - Aerospace Industries Association
 - JACG - Joint Aeronautical Commanders Group
 - GEIA – Govt Electronics Industries Association
 - NDIA – National Defense Industrial Association
 - *Functional (organizational) briefings, training and road shows*
 - *Collaborative websites on UID and RFID*
 - *Focused Logistics Enterprise – Horizontal Integration*
 - *Internal and external publications/articles*
- Total impact remains fluid... quantity of part numbers affected?
- Initiated Supplier Outreach
 - *High% of UID items will most likely be provided by supplier base*
- Accomplished 1st DoD UID and RFID (ASN) delivery
 - *Plenty of lessons learned...*
- Trained 20+ UID IPT members in Lean/Six Sigma toolsets
- Developed and/or leveraged common toolsets

Leveraging Common Toolsets!



- 50+ common toolsets have been developed, such as:
 - *LM implementation approach (non-binding)*
 - *LM sample (Planning) DCMA negotiated implementation approach*
 - *LM contracts and valuation guidance*
 - *LM parent-child relationship industry view*
 - *LM sample baseline operating processes*
 - *LM estimating toolsets*
 - *LM supplier base flow-down toolsets*
 - *LM I-GUIDES™ data system and label production driver*
 - *LM UID/RFID/WAWF integration and flow to the UID Registry*
 - *LM equipment Information and vendor arrangements*
 - *LM communication alerts to targeted audiences*
 - *LM UID maturity and toolset usage*
 - *OSD and industry toolsets*
- Based on “pull” concept versus “push”



The challenge is for a Program to enable sufficient planning resources and venues to utilize and tailor the common toolsets to fit its needs!

***A DoD Program Manager's
Journey to Compliance***

Checklist To An Affordability Plan



- 1. Provide resources and funding sources to engage a UID partnership (working group); team members to include:
 - *PMO (contracts, estimating, GFP, technical, logistics support, depots, WAWF, prime, major teaming members and subcontractors, DCMA, etc.)*
 - *Formalize communications, training, alerts...requirements may change*
- 2. Understand your Program's current state and UID approach at all locations
- 3. Provide Program guidance and define expectations up front
 - *Develop an affordable Program implementation plan (Parts A, B, D) which achieves 75%-100% UID conformance (marking/data elements in UID Registry) NLT December 31, 2010*
 - Part B UID listing of specified GFP supplied to UID Registry NLT Jan 2006
 - Part D UID listing of specified serial managed items supplied to UID Registry NLT September 2007
 - *Evolutionary and phased-in approach should be based on program value propositions, UID insertion costs/schedule impacts (UID maturity level):*
 - Clarify Program value propositions: mission critical items, serially managed, high theft items, reparable/maintenance and logistical concerns
 - Identify UID insertion costs/schedule impacts - % new designs (low), pre-designs with labels/nameplates (low), pre-designs requiring Class I changes (high) or Class II changes (med), alternate methods (low), % already on order (low-high), in production (low to high), in stock (low to high), in use (low to high), prime and subcontractor UID maturity levels (low to high)

Checklist To An Affordability Plan



- *Minimize cost and schedule impacts and legacy infrastructure changes (or integration) until data element requirements are more stable...maintain “future vision” of OSD’s concept of operations*
- *Non-specific expectations breed worse case scenarios, estimates, wasted labor efforts....high cost, high schedule impacts*

- **4. Determine specified UID parts and insertion opportunities for all locations**
 - *Provide guidance and identify critical UID needs and exclusions up front*
 - *Determine Part A approach*
 - Identify future Part A UID items (i., ii., iii.)
 - *Specified escapes captured in Part D approach*
 - *Notify Prime and supplier base of UID solicitation (include clause)*
 - *Determine Part B approach and contract mod efforts*
 - *Determine Part D approach and contract mod efforts*
 - *Identify major trigger events and determine virtual UID applicability*
- **5. Develop an affordability Program implementation plan timeline**
- **6. Develop a notional estimate of UID costs**
- **7. Finalize plan and submit to OSD for approval**

Sample Guidance For Identifying UID Specified Parts & UID Insertion Opportunities



- Define Program expectations and provide guidance
 - What are considered **CRITICAL** UID part types?
 - What are considered **NON-CRITICAL** UID part types?
 - Identify exclusions up front
- Work a parts lists **WITH** your UID working group and...
 - Don't get paralyzed by "the exceptions"...
 - Compare notes with other programs

| Method of UE Insertion | Original Type | Class II Type | Class III Type | Form/Example | Disclaimer |
|--|---------------|----------------------|----------------------|--------------|--|
| Print, LE, MFG, Drive new publications | UE | UE: New Design, Part | UE: New Design, Part | | Same as long as inventory, operation is expected |
| Print, LE, MFG, Drive new publications | UE | UE: New Design, Part | UE: New Design, Part | | Same as long as inventory, operation is expected |

| Part | Category (DFARS i.,ii.,iii.) | Priority | | Est. Acq. Cost (not required for embedded) | Design Type | | UID Insertion Type | | | Current Impacts | | | | | Rotate Into Repair/ Maintenance Cycle Within Next 3 years? | Rec'mnde d Insertion Method (Part A, D or mix) | Exclusion Justif. |
|---|------------------------------|----------|--------------|--|-------------|--------------|--------------------|---|------------------------|-------------------|-----------------------------|-----------------------|------------------------|------------------------|--|--|-------------------|
| | | Critical | Non-Critical | | New | Pre-existing | Labels Name Plates | Alternate Method and/or Class II Design Changes | Class I Design Changes | In Operation, Use | Already In Stock, Inventory | Vendor (Sub) Supplied | Already On Order (Buy) | Already In Prod (Make) | | | |
| Notional planning...Use checkmarks, %'s, etc! | | | | | | | | | | | | | | | | | |

| Method of UE Insertion | Original Type | Class II Type | Class III Type | Form/Example | Disclaimer |
|--|---------------|----------------------|----------------------|--------------|--|
| Print, LE, MFG, Drive new publications | UE | UE: New Design, Part | UE: New Design, Part | | Same as long as inventory, operation is expected |

Let DATA guide your Implementation plan and time-line efforts!



UID Physical Marking Opportunities: (Trigger Events)

Key trigger events are cost effective opportunities to physically mark an item utilizing 2D Data Matrix technology, such as:

- During major change modifications**
- During minor change modifications if the current marking method can easily be modified to add UID content**
- During major restores (repairs)**
- During minor restores if the current marking method can easily be modified to add UID content**

DoD PMO Affordability Program Implementation Plan!

- No DFARS Waiver Required-



Min 75%+ Marked & In UID Registry



UID Solicitations & Legacy Strategy

▼ Jan 1, 04, Begin UID Deliverables (Part A - per Contract/DFARS); UID All DFARS 252.211-7003 c (i). Line item Deliverables. (ii.) and (iii.) – Include New Designs, Pre-designed Name Plates, Labels Only...Escapes in Legacy UID Plan

▼ April 1, 06, Begin UID Legacy (Part D – per Contract Mods; Depots); UID Name Plates, Labels; Virtually UID Critical items requiring engineering drawing changes/analysis unless Major Modifications will occur prior to Dec 30, 2007

▼ Sept 30, 07, UID Legacy (Part D – per Contract Mods; Depots); UID'd Name Plates/Labels Supplied to UID Registry and Selected Critical Serial Managed Virtually or Physically UIDd and Supplied to UID Registry

UID items Requiring Engin. Drawing Changes UID'd Only During Major Modifications Trigger Events

Sept 30, 08, Complete Assessment of Remaining Critical Virtual UIDs and Non-critical parts...PMO to determine if Engineering Change Req'd (via Contract Mod) or Continue with Virtual UID post Dec 30, 10 Until Next Trigger Event (Major Modification) or no UID

UID GFP (DD1662 Items) Strategy

▼ By Jan 1, 06, Virtual UID Listing of Existing GFP and Supplied to UID Registry (via other than Contract Mod method)

▼ Jan 1, 06, Begin Physically Marked GFP UID Deliveries to Different CAGE Code/Govt Location (Part B – per DFARS or Contract Mods); Engineering Drawing Analysis/Changes for the Sole Purpose of UID Insertion Should Be An Exception

UID 2D Data Matrix And Associated Data Flow Capability

▼ Mar 1, 04, UID Marking Capability; Data Flow to UID Registry (Part A)

▼ April, 1, 06, UID Marking Capability; Data Flow to UID Registry (Part D)

▼ Jan 1, 05, UID Marking Capability; Data Flow to UID Registry (Part B)

Sample PMO Planning Document

Notional Estimate of UID Costs - Toolset



| Notional UID Delta Cost Estimate (whole numbers) | | | |
|---|---|---|---|
| General Questions: | | | |
| 1. Does the Business Unit plan to change drawing or utilize an alternate method? (check one) Drawing, <input type="checkbox"/> Alternate, <input type="checkbox"/> Varior (if varior, explain an attach | | | |
| 2. Has the Business Unit dialogued with their customer on the quantity of parts and quantity of parts? (check one) Yes, <input type="checkbox"/> No (if no, explain dialog plan an attach | | | |
| Insert Name of Business Unit Here | | Business Unit number of PART NUMBERS list for UID candidates of its operation | Business Unit number of ITEM NUMBERS list for UID candidates of its operation (see Part Number 1112 (20 Year version) upon 2017 site Number of Business Unit NUMBERS) |
| | | Total Number of UID PART NUMBERS of full | Total Annual Number of Receiving UID |
| | | Non-Recurring \$ Recurring through full | Annual Steady State Recurring \$ |
| | | Direct (In Centre) | Indirect/Capital |
| | | Direct (In Centre) | Indirect/Capital |
| Implementation/Infrastructure | | General Definitions | |
| Engineering Design/Specification Change | Costs associated with applying the engineering design or specification including drawing change and or alternate approaches to applying the full drawing package | | |
| Information System hardware/software carts required to modify business unit unique systems to provide functionality similar to the Contracting System or the Shipping System | Business Unit unique equipment) unique software to modify unique shipping or receiving equipment for WSP, or modify the Receiving Report to include UID data for those sites and unique, or Dual include COMPANY-wide flow-down costs. | | |
| Information System hardware/software carts required to modify business unit unique systems to provide functionality similar to IGUIDOR | Business Unit unique equipment) unique software associated with maintaining a database or UID/RFP numbers and associating the UID elements into a UID number and enabling their numbers to associate/shipping equipment. Dual include COMPANY-wide flow-down costs. | | |
| Other Information System Hardware/Software Upgrade | Buy other computer related cost associated with implementing UID including build to equip applications, etc. | | |
| UID Equipment (reading, marking, verifying) | See Sample UID-ig in Guidelines Task and Equipment Listing Attachment: Reader, Markers, Verifiers, Printers, etc. | | |
| Documentation/Procedural Change | Documentation/procedural change to support work, job instructions, supplier flow-down documents, etc. or product/field support including Task Pack. | | |
| Training | Contract, Program, Engineering, Planning, Production, Assembly, QA, Inspection, Supplier, etc. (see Sample UID-ig in Guidelines Task and Equipment Listing Attachment: Reader, Markers, Verifiers, Printers, etc.) | | |
| IFT/WSP Development Cart Labor | Contract, Program, Engineering, Planning, Production, Assembly, QA, Inspection, Supplier, etc. (see Sample UID-ig in Guidelines Task and Equipment Listing Attachment: Reader, Markers, Verifiers, Printers, etc.) | | |
| Other (specify) | | | |
| Subtotal | | \$ - | \$ - |
| UID Process Per UID Application as "Make" Items | | | |
| Valuation Input | Normally considered recurring costs and include application, inspection and testing the UID 2D Data Matrix and WSP/Validation input and feedback of the UID number and associated data. | | |
| Engineering/Planning | | | |
| Procurement | Task (Application), support | | |
| Production Operation | Inspection, testing | | |
| QA/Inspection | WSP/Shipping | | |
| Receiving Report Input | Task pack of UID number in flow, task pack, etc. | | |
| Customer Support | | | |
| Subtotal | | \$ - | \$ - |
| UID Process Per UID Application as "Buy" Items | | | |
| Buy Trigger | Normally considered recurring activities and include SOW/RFP flow-down activities, inspection and testing UID 2D Data Matrix and WSP/Validation input and feedback of the UID number and associated data. | | |
| RFP/SOW Flow-down | | | |
| Supplier cart | | | |
| QA/Inspection | | | |
| Receiving Report Input | | | |
| Customer Support | | | |

- Many of us are just beginning to transform our internal processes...
- Therefore, "out-of-the-gate" UID estimates will most likely be notional, right-sizing exercises and will require adjustments as new processes and infrastructure are modified/validated and as our supplier based UID "buy" costs become better defined
- Tailor to meet your needs... include depot costs, etc.

Summary



- **Fluidity Continues...**
 - *Communications, flexibility and responsiveness is required of partnership*
 - *OSD is driving “swift” closure on guidance documents*
 - *Regulations continue to be formulated*
 - *Keep your eye on the big picture (evolutionary approach)*
- **We Need To Remain Focused On Time-Line Risks**
 - *PMOs are beginning to submit RFPs/SOW for Program UID plans*
 - *Business entities are beginning to negotiate plans with DCMA*
 - *OSD PMO implementation workshops are beginning*
 - *ACAT 1D PMOs required to submit implementation plans to OSD June 05*
- **Activity levels at the Business Area, Unit and Facility level ARE increasing**
 - *Utilize and tailor common toolsets!*
 - *Partner with your Program to develop your required plans*
 - *Stay knowledgeable and create communication venues to ensure your internal/external program representatives are aware of changes, plans, etc.*

Communicate, Communicate, Communicate!



- **Aeronautics**
 - Aero UID Lead: Mark Hudgens, mark.hudgens@lmco.com
 - F/A-22 UID Lead: Chris Guyer, chris.guyer@lmco.com
 - F-35 UID Lead: Mitch Kaarlela, mitch.l.kaarlela@lmco.com
 - F-35 LRIP Lead: Craig Kennedy, craig.kennedy@lmco.com
- **Electronic Services**
 - ESBA UID Lead: Mark Byrne, mark.byrne@lmco.com
 - E2C UP UID Lead: Steven Fiel, steven.fiel@lmco.com
 - US101 UID Lead: Kathleen Webb; kathleen.h.webb@lmco.com
- **Corporate UID Pgm Mgmt and Functional Area Leads**
 - Abby Rothman, abby.rothman@lmco.com
 - Mark Byrne, mark.byrne@lmco.com
 - Contracts Lead: Scott Parry, scott.parry@lmco.com
 - Pgm Mgmt Lead: Jim Sturges, james.w.sturges@lmco.com
 - GFP Lead: Rich Culbertson, richard.culbertson@lmco.com
 - RFID Lead: Denton Clark, denton.clark@lmco.com



Questions?