DLA LAND AND MARITIME

V DIRECTORATE
ENGINEERING & TECHNICAL SUPPORT

VA- Document Standardization

- To provide the warfighter with standardization of equipment, parts, and materials that are interoperable, reliable, and technologically superior
  - Develop, coordinate, approve military specs/standards
  - Develop military and commercial engineering drawings
  - Partner with DoD customers and industry on non-government standards
  - Provide engineering support for Land and Maritime on parts issues
  - Assist equipment manufacturers with parts evaluations
  - Assist Engineering Support Activities (ESAs) with technical evaluations

VE- Value Management

- Identify and select the best value alternatives for designs, materials, processes, and systems in obtaining greater efficiencies and productivity in Defense spending
  - Review pricing complaints from customers
  - Assist buyers in determining intrinsic cost of an item
  - Develop adequate Tech Data Packages
  - Develop new sources of supply and break out sole source items
  - Replicate designs by reverse engineering
  - Review Engineering Change Proposals
  - Eliminate Unnecessary Design Requirements
  - Reutilization of Material
  - Sourcing, pricing, and tooling assistance on cast and forged items
  - Obtain parts from military depots, arsenals, and laboratories
  - Provide Land and Maritime Technical Support

VP- Product Verification

- Ensuring the “Right Items” are provided to the Warfighter
- Identifying product discrepancies through the use of multiple test programs and material audits
- Support Fraud Investigations
- Reduce material management cost
- Increase product reliability

VQ Sourcing & Qualification

- Serves as DoD National Qualifying Activity for assigned FSCs for suppliers who seek qualification on specification controlled items
- Provides for pre-approved suppliers of standard parts
- Qualified parts are frequently procured by DoD activities (including this Center) for most DoD weapons platforms
- Benefits of the program:
  - Verifies capability and compliance to requirements
  - Improves availability and lead times plus reduces backorders
  - Lowers life cycle cost
  - One-stop shopping list of qualified suppliers/parts
  - Provides DoD tremendous audit/testing savings!

VS Logistics & Standardization

- Hazardous Materials Support-
  - Reduce hazardous materials in DLA managed items
- Lead Standardization Activity –
  - Manage standardization to promote competition and quality of parts
- Parts Management –
  - Include standardization during weapons system design or modification
- Government and Industry Data Exchange Program (GIDEP)
- Item Reduction Program -
  - Reduce duplicate NSNs
- Diminishing Manufacturing Sources and Material Shortages (DMSMS) Management
- Packaging Support

VT - Product Data Management

- Process tech-blocked Release Strategy Workflows (RSWs) for DLA Land and Maritime Purchase Requests
- Establish ESA-validated TDPs IAW PBAs via processing of MBRTs and DLA Forms 339
- Acquire, authenticate, index, store, and link technical data to DLA-managed materials in the Document Management System of EBS
- Process requests for technical drawings from internal customers (Product & Packaging specialists, engineers, test lab personnel)
- Manage the Enterprise Classified Data Management Program
- Maintain cFolders to provide distribution of technical drawings and post award assistance to contractors

Conclusion

DLA Land and Maritime

Value Management Division (VE)

Programs

- Supply Chain/Contractor Engineering Support
- Organic Manufacturing
- Should Cost
- Price Analysis
- Sustaining Engineering
- NSN Breakout/Source Approval Request Analysis
- Casting and Forging
- Replenish Parts Purchase or Borrow (RPPOB)
- Reverse Engineering

Conclusion

DLA Land and Maritime

RPPOB
Replenishment Parts Purchase or Borrow Program

Purpose

- The RPPOB program supports reverse engineering
- Designed to allow vendors to visually inspect, borrow or purchase Government owned material with the intent of becoming an approved source
- May result in a Source Approval Request (SAR):
  - Packages are sent to the Competition Advocates Office
  - Technical Review occurs within the Value Management Office

Why RPPOB

- Statutory Requirement
  - Defense Procurement Reform Act of 1984
  - Public Law 98-525, Section 1216(a)
  - Codified at Title 10 U.S.C. 2320(B)

- Benefits
  - Break Sole Source
  - Provide additional sources on limited source items
  - Reduce cost through enhanced competition
  - Potential for Unlimited Rights TDPs

RPPOB Methods

- Direct Purchase
  - Contractor purchases at Standard Unit Price (SUP)
  - Item is not returned

- Bailment
  - Item loaned at SUP
  - SUP held in Trust by DFAS
  - SUP monies returned if item returned in original condition

- View Parts or we can send Pictures
  - Contractors may inspect part in a designated area

RPPOB – What it is Not

- Not available on NSNs with Acquisition Method Suffix Codes (AMSC) of B, G, and T
- Not available on NSNs with less than $10,000 annual buy value or with multiple years of stock on-hand.
- Not available on NSNs with Specification Controlled Drawing
- Not to compare with other approved sources' stock.
- Not to find out information on the NSN after being awarded a contract

Purpose: Develop New Sources in the best interest of the Government Reference - DoD Instruction 4140.57

1st Screening

- All Vendors will receive a letter usually within 10 calendar days saying either:
  - Not in the best interest government at this time – full and open, already an approved source, lower than $10,000 annual buy value, no current or very low stock available, etc.
  - Engineering Support Activity (ESA) coordination is required, if they approve Reverse Engineering (RE) the minimum time to become an approved source is ≥ year.

Note: If you wish to proceed you need to inform DLA

2nd Screening

- Occurs ONLY on Engineering Support Activity (ESA) coordinated projects and **after you have informed us you want to proceed.**
- Review business case and the technical/quality history of the NSN to see if it is in the best interest of the government to pursue Reverse Engineering
- Verify Vendors are not suspended or debarred at time of request
- Verify Joint Certification Program (JCP) certification.
  - http://www.dlis.dla.mil/jcp/
- Verify Directorate of Defense Trade Controls (DDTC) registration - NSNs with Demilitarization Code other than "A".
  - http://pmddtc.state.gov/

2nd Screening (Continued)

- All Vendors will be notified related to a letter usually within 20 days from submission
  - It is not in the best interest of the government, technically, due to quality issues, etc.
  - We found data
    - If not drawings (such as catalog data, picture, etc.) please review and **let us know if you want to proceed.**
  - If no data, we will request whether you want to view it or send pictures (warning ESA has not approved RE at this point) or continue to contact the ESA
    - **You will need to tell us or give us the required information if you want to proceed**

Timeline

- 1st screening process (10 days maximum)
- 2nd screening process (10 days maximum)
- Request for RE sent to **E**ngineering **S**upport **A**ctivity (ESA) for approval (30 days minimum)
- Answer back to Vendor after ESA RE approval/denial (10 days maximum)
- Vendor provides monies and signs the agreement based on availability of stock (unknown days – first part is up to the Vendor and second part is up to DSCC having stock)
- Item (when in Stock) sent to Vendor (10 days maximum)

Timeline (Continued)

- Vendor provides Source Approval Request (SAR) package (unknown days - up to Vendor)
- SAR package reviewed by DLA Land and Maritime to see if acceptable, 10 days maximum
- SAR package sent to ESA for approval (minimum 90 days)
- Answer back to Vendor after ESA SAR reply (10 days maximum)
- DLA Land and Maritime controls 50 days, the ESA controls minimum 120 days (DLA Land and Maritime will follow-up if they are late, the rest of the days are controlled by the vendor (around 200 days but could vary due to ESA)

Total Process has averaged a minimum of 1 Year

Identifying Potential Projects

- Forecast information can be found on DIBBS webpage: Supplier Requirements Visibility Application (SRVA) link. It should provide 24 months of projected purchase order quantities.
- Checking EMall for stock available; this information is not exact, it does show stock that is not ready condition. Also, if there is low stock, we will NOT loan out these samples due to possible urgent customer's needs.
- Search the website to find opportunities that match your companies capabilities.

Websites

- You can check for AMSC codes at this website: http://www.dlis.dla.mil/webflis/pub/pub_search.aspx
- The definitions for AMSC codes can be found: http://www.acq.osd.mil/dpap/dars/dfars/html/r20060412/appendix_e.htm#E-103.3
- List of NSN available on: http://www.landandmaritime.dla.mil/offices/valuemanagement
- Alternate sourcing information can be found at website: http://www.landandmaritime.dla.mil/programs/altofferor/
- DLA Land and Maritime's Alternate sourcing requirements linked can be found a website: Alternate Offer/Source Approval Program/

Emails

- Submitting complete Alternate Offer/SAR package:
  - DSCC_AO-SAR@dla.mil

- For Questions in submitting Alternate Offer
  - DSCC.AltOffer.PM@dla.mil

Conclusion

DLA Land and Maritime

Casting and Forging

Definition

- Casting – process where molten metal is poured or injected into a mold to generate the desired shape and allowed to solidify then be removed from the mold

- Forging – process where metal is heated to a malleable state, and pounded or pressed into the desired shape

History - Goals

History

- Casting and Forging industry losing domestic capability
  - Sources/foundries moving offshore
- Congressional add money initially funded efforts in the 90's
- Entered President's Budget under ManTech Program
  - Cast Program – 1999
  - Forge Program – 2001

Goals

- Provide expertise through industry associations and academia
  - Assist DLA PFLA's in dealing with acquisition problems
    - Identify cast/forge content within NSNs
    - Improve solicitation process by identifying capable suppliers
- Assist industry with development of material/process improvements

Land and Maritime
MetalFACT

- Provides casting & forging assistance
- MetaLFACT is comprised of Government and Industry representation
- MetaLFACT is a resource available to the following
  - DLA Personnel: Product Specialists, Buyers, Planners
  - Engineering Support Activities (ESAs)
  - Contractors/Suppliers
    - With active DSCC contracts (w/Contracting Officers' approval)
    - Bidding on open DSCC solicitations
- Tools to provide assistance

Cast Tooling Database

www.defensetooling.com

- Population
  - >120 companies
  - >25,000 tooling records
- Utilized by ICP's
- Assist defense contractors in finding tooling
  - 50% success rate of matching inquiries to patterns/suppliers
- Company notified each time gov't buying parts for which they have tooling
- $1.5 million in orders directed to participants each month

Cast Suppliers Database

www.defensecastingsuppliers.com

- Online directory of Metalcasters serving the defense industry
- Utilized by government and defense contractors
- 256 Registered Metalcasters
  - All Processes & Materials
- Casting bid solicitations matched to plant capabilities

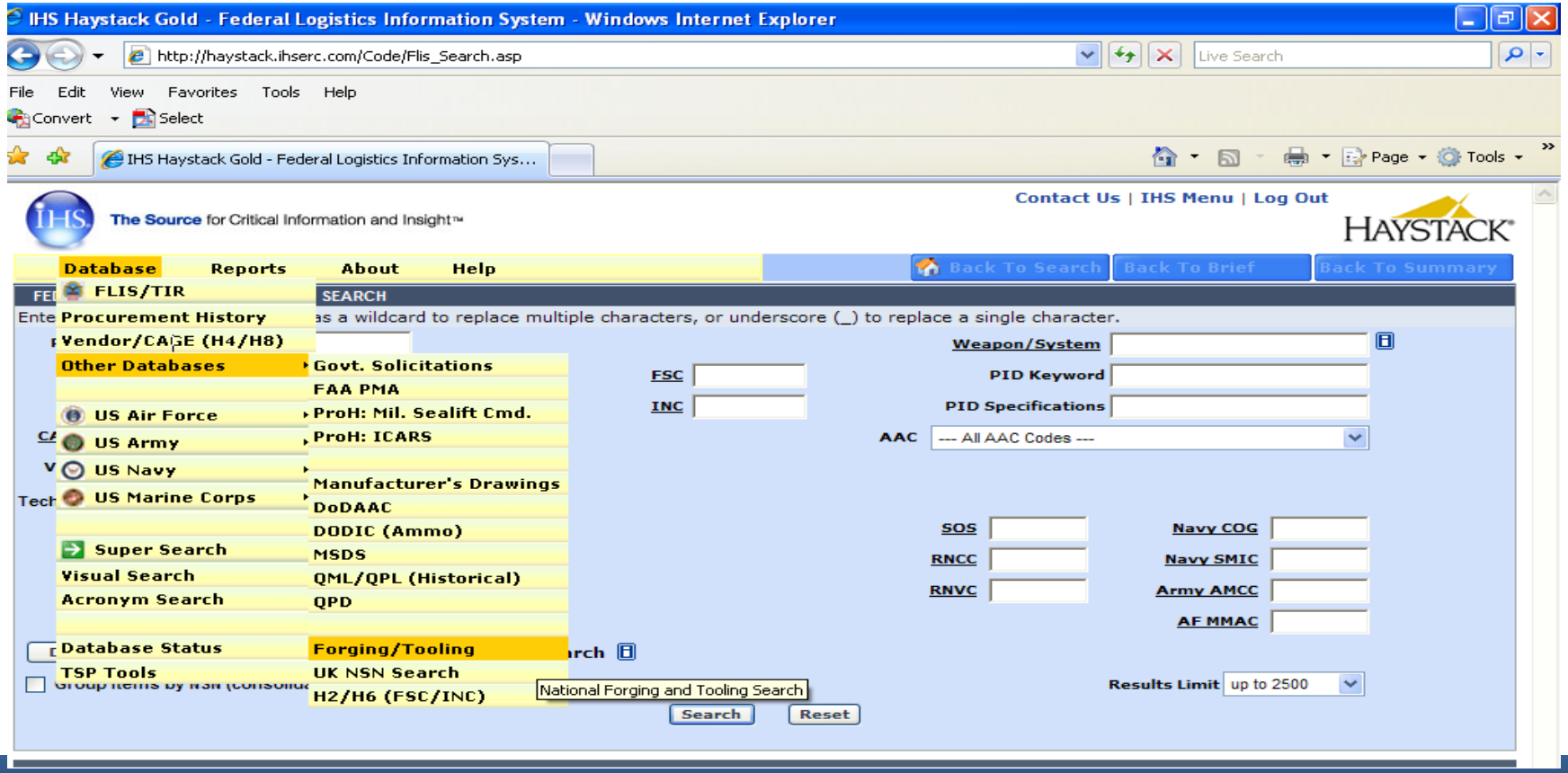
National Forging Tooling Database (NFTD)

- Purpose
  - Rapidly locate forging dies for legacy weapon systems

- Benefits
  - Web base database
    - Locates forging dies and suppliers
    - Widely accessible through Haystack Gold
  - Reduces ALT and PLT
  - Avoids costs of designing/building new dies
    - Huge benefit for small order sizes
  - Sustainable beyond the life of the FAST Program

Navigating NFTD

- Method: Log into Haystack Gold
- Select the Database drop-down menu
- Select “Other Databases”, then “Forging/Tooling”



Accomplishments

- NSNs identified with Casting and/or Forging
  - L,M,A – 35906 NSNs
  - L,M – 19480 NSNs
- Tooling Locations identified in database
  - Casting – Approx. 25,000
  - Forging – Approx. 40,000
- Information loaded in EBS
  - Provides guidance in contract on POCs for assistance Casting and Forging
  - L,M,A – 73,881 NSNs
  - L,M – 27380 NSNs
- Example from Cast Consortium
  - Tooling DB hits – 2,200
  - Sources provided – 137
- Provide information to both DLA and Industry, for improving the viability of solicitations.

Potential Impact

- Contracts Last 12 months with Casting or Forging
  - L,M,A – 21,207 / value of $44,854,173
  - L,M – 13,014 / value of $9,567339
- Active PRs with Casting or Forging
  - L,M,A – 2055
  - L,M – 1159
- Backorders with casting or Forging
  - L,M,A – Lines 8,999 / Quantity - 95,317
  - L,M – Lines 5,205 / Quantity – 72,483

Points of Contact

- Direct DLA submission for Land or Maritime NSN's:
  - dscc.cast.forge@dla.mil

- Forging Industry Association Website
  - http://www.forging.org

Conclusion