



# Value Engineering Tools for Contractor Support

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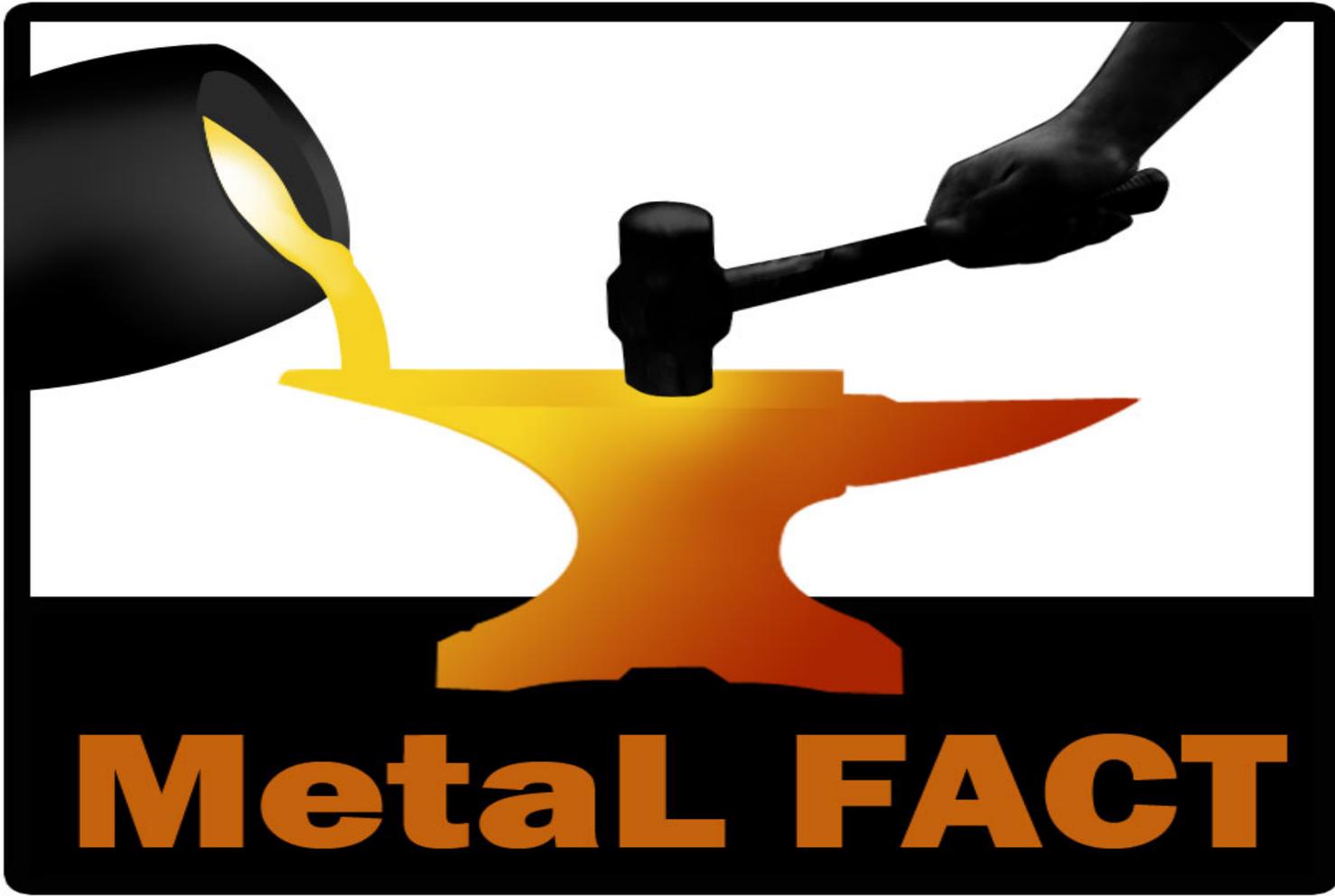
# Agenda



- Castings & Forgings Assistance Tools
- Value Engineering Change Proposals (VECP's)
- Replenishment Parts Purchase or Borrow (RPPOB)
- Sustaining Engineering (SE)
- Additional VM Programs Managed at DSCC
- New Initiatives
- Summary
- Value Engineering Program Points of Contact



# DSCC Casting and Forging Assistance Tools



Maritime & Land Forging And Casting Team



# DSCC's MetaLFACT Team



- Provides casting & forging assistance
- MetaLFACT is comprised of Government and Industry representation
- MetaLFACT is a resource available to the following
  - DSCC 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



**AMC**

**EDMC**



# Cast Tooling Database

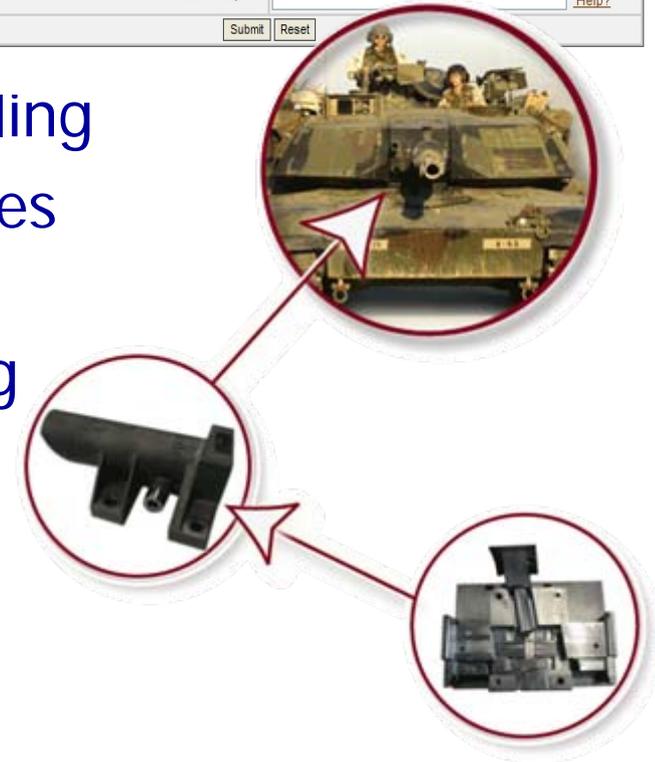


[www.defensetooling.com](http://www.defensetooling.com)

- Population
  - 120 companies
  - 18,600 tooling records
- Utilized by Supply Centers
- 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



Search Tooling Database	
National Stock Number: <small>ex. (1234-00-789-0123)</small>	<input type="text"/> <a href="#">Help?</a>
Weapon System:	<input type="text"/> <a href="#">Help?</a>
Finished Part Number:	<input type="text"/> <a href="#">Help?</a>
Design Drawing Number:	<input type="text"/> <a href="#">Help?</a>
Part Description:	<input type="text"/> <a href="#">Help?</a>
<input type="submit" value="Submit"/> <input type="reset" value="Reset"/>	





# Success Stories



## Linking DLA Needs to Capable Metalcasters

- Latch Bar Assembly: Sole Sourced
- Prior contract: 15,000 @ \$47.49/ea.
- Foundry bids direct: 12,000 @ \$37.50/ea.
- Contract award for 16,000: \$159,840 in cost savings

## Linking Defense Contractors to Foundries with Tooling

- Detent Lever Bracket: Aluminum Sand Casting
- Previous Buy June 1985: Contractor no longer exists
- DLA Solicitation on May 2008: Qty. 161
- Contractor inquiry through Tooling Database Website
- Tooling located at foundry
- Contractor bid and awarded

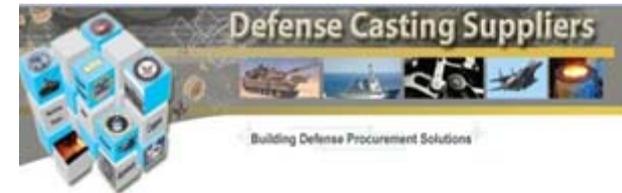


# Casting Suppliers Database



[www.defensecastingsuppliers.com](http://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



Search Supplier Capabilities Database

**Supplier Profile Information**

Company Name:

Cage Code:  State:  (AL, AR, AZ)

Rapid Tooling:  No  Yes Low Volume:  No  Yes

Search Type:  "And" Returns suppliers who meet ALL criteria  
 "Or" Returns suppliers who meet AT LEAST ONE criteria

**Supplier Classifications and Capabilities**

**Business Classifications:**

- SBA Program Participant
- Minority Owned
- SBA Certified Hubzone Firm
- Small Business
- Small Disadvantaged Business
- Veteran Owned
- Woman Owned

**Federal Classification:**

- Guns through 30 mm (1005)
- Guns over 30 mm up to 75 mm (1010)
- Guns 75 mm through 125 mm (1015)
- Guns over 125 mm through 150 mm (1020)
- Guns over 150 mm through 200 mm (1025)
- Guns over 200 mm through 300 mm (1030)
- Guns over 300 mm (1035)
- Chemical weapons & equipment (1040)
- Launchers, torpedo & depth charge (1045)
- Launchers, grenade, rocket & pyrotechnic (1050)

**Casting Processes:**

- Centrifugal
- Diecasting
- Investment
- Permanent Mold
- Plaster
- Sand
- Squeeze/Semi-Solid
- V-Process

**Secondary Operations:**

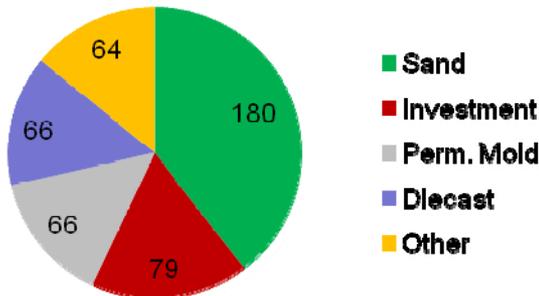
- Assembly
- Engineering & Design
- Liquid Penetrant
- Painting
- Radiography
- Surface Treatments
- Dimensional Inspection
- Heat Treat
- Magnetic Particle
- Pattern Shop
- Rough/Finish Machining
- Grinding

**Supplier Materials & Alloys**

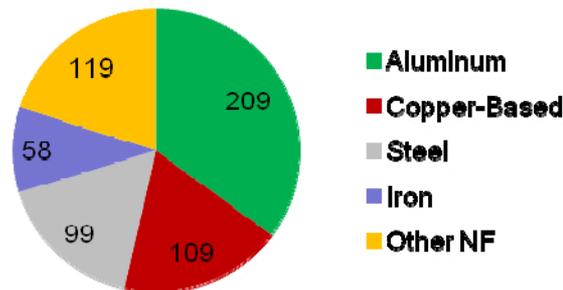
Materials:

- Aluminum

## Casting Processes



## Casting Materials





# Foundry Toolkit for Gov't Business



[www.defensecastingtoolkit.com](http://www.defensecastingtoolkit.com)

- Online source assists suppliers to
  - Learn DLA e-commerce processes
  - Establish required supplier accounts
    - View solicitations
    - Access tech data packages
    - Submit quotes
  - Understand procurement process
  - Locate pre- and post-award assistance
- Find Business Opportunities

**FOUNDRY TOOLKIT**  
for GOVERNMENT BUSINESS

### CCR Registration

Central Contractor Registration (CCR) is the primary registrant database for the U.S. Federal Government. CCR collects, validates, stores, and disseminates data in support of agency acquisition missions, including Federal agency contract and assistance awards. Registrants are required to complete a one-time registration to provide basic information relevant to procurement and financial transactions. Registrants must update or renew their registration at least once per year to maintain an active status. Upon completion of registration (if you do not have one already), you will be issued a Commercial and Government Entity (CAGE) code. A CAGE code is a unique five character alpha numeric code that is assigned to all government vendors.

[Click for Step-by-Step Tutorial](#)

What information do I need to complete this step?  
[Begin CCR Registration](#)

Contact  
**NFFS**  
Non-Ferrous Founders' Society

Home | Introduction | Getting Started | Solicitation | Awards Process | Post Awards | Finding Opportunities | Other Resources  
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# Identifying Opportunities



[Defensecastingtoolkit.com/partsearch.htm](http://Defensecastingtoolkit.com/partsearch.htm)

- Part search database
- Online source assists foundries to:
  - Quickly identify casting NSN's
  - Associate 'prospect list' with DIBBS user account
  - Determine anticipated demand
- Leverages CAST-IT, DSCR & DSCC databases
- 7,000+ casting NSN's
- Routinely updated

**FOUNDRY TOOLKIT for GOVERNMENT BUSINESS**

A foundry industry guide to supplying the Government

- Introduction
- Getting Started
- Solicitation
- The Awards Process
- Post Awards
- Finding Opportunities
- Business Opportunities
- Parts Search
- Other Resources

**Search the Parts Database**

Material  
 Aluminum  Copper  Steel  Iron  Other Nonferrous

And/Or

Process  
 Sand  Investment  Permanent Mold  Die Cast  Centrifugal  Plaster

or

1 2 3 4 5 6 7 8 9 10 ...

NIIN	Item Name	Part Number
015165455	BRACKET, VALVE CONTROL	458-58507-2 Rev A (Limited Rights) -3 is casting
015053472	RECEPTACLE,HANDLE	16K2661-11 REV D
015052054	Cover, Electronic Comm Equip	3081368-2
015044795	ARMREST,AIRCRAFT	PIN 816-3257-001
015044786	ARMREST,AIRCRAFT	PIN 816-3255-001
015034078	SUPPORT,STRUCTURAL	3-13781-6 Rev F 3-13781-6C casting
014902257	Housing, Mechanical Drive	10949799
015034078	SUPPORT,STRUCTURAL	3-13781-5 Rev F & ECN 3-13781-5C casting
014989309	SUPPORT,STRUCTURAL	160D123171-4 Rev H
014900294	BRACKET,MOUNTING,GE	CSP27004

870 record(s) on 87 Page(s)

Home | Introduction | Getting Started | Solicitation | Awards Process | Post Awards | Other Resources  
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NIIN	Item Name	Material	Process
375516-2R Rev A (Limited Rights)	Aluminum Alloy 356-T6 per QQ-A-601	Aluminum	Sand
65-57028 Rev A (Export Control) -1 is cast	356-T6 Aluminum casting per QQ-A-601 c	Aluminum	Sand
9654M5004 REV T	Aluminum A356 per MIL A 21180	Aluminum	Sand
5-85003-4 Rev M 3-67045-20Inging casting	ALUMINUM ALLOY 356-T6 PER QQ-A-596 c	Aluminum	Plaster
12395379	Aluminum Alloy 356-2-T6	Aluminum	Casting, Sand
M11588-031-07-32-0300	Aluminum	Aluminum	Aluminum Sand Casting, ASTM b26-Sand, Aluminum Bar Stock, ASTM B211, Alloy 6061 or 2011
M11588-031-05-32-0300	Aluminum	Aluminum	Aluminum Sand Casting, ASTM b26-Sand, Aluminum Bar Stock, ASTM B211, Alloy 6061 or 2011
33270-9 Rev U -999 is casting	Aluminum	Aluminum	Aluminum Sand Casting, QQ-A-601, Alloy 713.0
33270-9 Rev U -999 is casting	Aluminum Alloy 356-T6 per QQ-A-601	Aluminum	Sand
370985-3 Rev C 362385-998 Rev C is cast	Aluminum Alloy 356-T6 per QQ-A-601 or	Aluminum	Permanent Mold

A	B	C
1 NIIN	NSN	Item Name
2 '015165455	1560015165455,	BRACKET, VALVE CONTROL
3 '015053472	1680015053472,	RECEPTACLE,HANDLE
4 '015052054	1689015052054,	Cover, Electronic Comm Equip
5 '015044795	1680015044795,	ARMREST,AIRCRAFT
6 '015044786	1680015044786,	ARMREST,AIRCRAFT
7 '015034078	1560015034078,	SUPPORT,STRUCTURAL
8 '015034078	1560015034078,	SUPPORT,STRUCTURAL
9 '014902257	1040014902257,	Housing, Mechanical Drive
10 '014902257	1560014902257,	SUPPORT,STRUCTURAL
11 '014900294	1680014900294,	BRACKET,MOUNTING,GE
12 '014878743	1670014878743,	COUPLER ASSEMBLY,CARGO
13 '014872797	1560014872797,	ROCKET
14 '014869602	6220014869602,	SPOTLIGHT
15 '014834201	1560014834201,	SUPPORT,STRUCTURAL
16 '014823114	3130014823114,	HOUSING,BEARING UNI
17 '014790525	2815014790525,	Adapter, Air Cleaner
18 '014753042	3040014753042,	Housing, Mechanical Drive
19 '014710989	3160014710989,	SPACER,RING
20 '014676760	3040014676760,	Housing, Mechanical Drive
21 '014578550	1560014578550,	CRADLE,AIRCRAFT
22 '014558562	1560014558562,	BRACKET ASSEMBLY,LI
23 '014558557	1560014558557,	BRACKET ASSEMBLY,LI
24 '014478605	1560014478605,	SUPPORT,STRUCTURAL
25 '014478603	1560014478603,	SUPPORT,STRUCTURAL
26 '014478602	1560014478602,	SUPPORT,STRUCTURAL
27 '014478601	1560014478601,	SUPPORT,STRUCTURAL
28 '014441313	4730014441313,	Tee, QuickDisconnect
29 '014385214	1000014385214,	Handle, Gun, Charger
30 '014381636	1560014381636,	SUPPORT,STRUCTURAL
31 '014381592	1560014381592,	SUPPORT,STRUCTURAL
32 '014362076	1560014362076,	BRACKET,STRUCTURAL
33 '014332654	1560014332654,	FAIRING,FUSELAGE,AI
34 '014314640	1560014314640,	DOOR,ACCESS,AIRCRAFT
35 '014249313	4730014249313,	Elbow, Flange to Pipe
36 '014229562	4720014229562,	Hose Assembly, Nonmetallic
37 '014229560	4720014229560,	Hose Assembly, Nonmetallic
38 '014060526	5340014060526,	Handle, Door
39 '013551190	1620013551190,	BRACKET,TRUST STEER
40 '013674676	11460013674676,	ATCH, EMERGENCY EXI



# 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



- Log into Haystack Gold
- Search for part on main screen by NIIN
- If tooling exists, select the NFTD link

IHS Haystack Gold - Federal Logistics Information System - Windows Internet Explorer

http://haystack.ihserc.com/Code/Flis\_Summary.asp?FNiin=015000309&FBrsRecNo=1

File Edit View Favorites Tools Help

IHS Haystack Gold - Federal Logistics Information Sys...

Contact Us | IHS Menu | Log Out

**HAYSTACK**

Database Reports About Help

DETAILS/SUMMARY NSN: 2540-01-500-0309

Back To Search Back To Brief Back To Summary

TAILOR QUICK REPORT

This NIIN was also found in the following databases

ProH Tech Char CTFD MOE I & S Govt Sol

Related NIINs  
Freight Data  
Packaging Data  
CTDF/WPS  
QPD

ILSmart  
Capabilities  
DRMS

ARIL  
LIRSH  
GSA (external)  
HMDF  
MSDS

US Army AMDF  
US Army SB700  
US Army Tech. Manuals

USAF D200F  
USAF D043  
USAF D049  
USAF ITIES  
USAF MSD  
USAF SNUD

USN APL/AEL  
USN CRF  
USN MRIL  
USN NICN To NIIN  
USN NMDF  
USN SPMIG  
USN WUC  
USN P2300/10/30 (NHA)  
USN WUCS3

USMC SL6-1  
USMC SL6-2

**NFTD**

Prev NSN Next NSN

FLIS HEADER (SEGMENT A)

Item Name		LATCH,PINTLE HOOK									
INIC	FIIG	CRIT	ISC	Status	TIIC	RPMRC	ADP	DEMIL	HMIC	ESDEMI	PMI
11401	T268-F	X	5	0	4	3	0	D	P		A

MASTER CROSS REFERENCE LIST (MCRL)

Part No.	RNCC	RNVC	RNFC	RNJC	RNSC	RNAAC	SADC	DAC	CAGE	Name
12484847	3	2				ZZ		1	19207	USA TANK AUT

Indicates Design/Source Control Reference Item



# Navigating NFTD



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

IHS Haystack Gold - Federal Logistics Information System - Windows Internet Explorer

http://haystack.ihserc.com/Code/Flis\_Search.asp

File Edit View Favorites Tools Help

Convert Select

IHS Haystack Gold - Federal Logistics Information Sys...

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**IHS** The Source for Critical Information and Insight™

**HAYSTACK**

Database Reports About Help

Back To Search Back To Brief Back To Summary

SEARCH

Procurement History

Vendor/CASE (H4/H8)

Other Databases

- Govt. Solicitations
- FAA PMA
- ProH: Mil. Sealift Cmd.
- ProH: ICARS
- Manufacturer's Drawings
- DoDAAC
- DODIC (Ammo)
- MSDS
- QML/QPL (Historical)
- QPD

US Air Force

US Army

US Navy

US Marine Corps

Super Search

Visual Search

Acronym Search

Database Status

TSP Tools

Group Items by Item (Consolidate)

Forging/Tooling

UK NSN Search

H2/H6 (FSC/INC)

National Forging and Tooling Search

FSC

INC

Weapon/System

PID Keyword

PID Specifications

AAC --- All AAC Codes ---

SOS

Navy COG

RNCC

Navy SMIC

RNVC

Army AMCC

AF MMAC

Results Limit up to 2500

Search Reset



# Navigating NFTD



- Search by Part Number or NSN

IHS Haystack Gold - National Forging Tooling Database Results - Windows Internet Explorer

http://haystack.ihserc.com/code/Brief\_Engine.asp

File Edit View Favorites Tools Help

Convert Select

IHS Haystack Gold - National Forging Tooling Databas...

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**HAYSTACK**

Database Reports About Help

Back To Search Back To Brief Back To Summary

HITS: 1 NATIONAL FORGING TOOLING DATABASE RESULTS PAGE: 1 OF 1 20

**Refine Search**

Enter search criteria. Use % or \* as a wildcard to replace multiple characters, or underscore ( ) to replace a single character.

Part Number

Forging/Die Number

Part Description

Weapon System

Forge Shop

FSC

NIIN

CAGE

Search Reset



# Navigating NFTD



- Click on "Details"

IHS Haystack Gold - National Forging Tooling Database Results - Windows Internet Explorer

http://haystack.ihserc.com/code/Brief\_Engine.asp

File Edit View Favorites Tools Help

Convert Select

IHS Haystack Gold - National Forging Tooling Databas...

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Database Reports About Help

Back To Search Back To Brief Back To Summary

HITS: 1 NATIONAL FORGING TOOLING DATABASE RESULTS PAGE: 1 OF 1 20

Refine Search

	Summary	FSC	NIIN	Part Nbr	Forging/Die Nbr	Shop Nbr	Shop	CAGE	Image	Type
	Details	2540	<a href="#">01-500-0309</a>	<a href="#">12484847</a>	12484847	28	Milwaukee Forge			P

<< First < Prev Next > Last >> Print/List



# Navigating NFTD



- Screen shows last known location of tooling
- Contact company to verify the existence, condition, and availability of the tooling.

IHS Haystack Gold - National Forging Tooling Database Summary - Windows Internet Explorer

http://haystack.ihserc.com/Code/NFTD\_Summary.asp?FNftdId=142452

File Edit View Favorites Tools Help

IHS Haystack Gold - National Forging Tooling Databas...

Contact Us | IHS Menu | Log Out

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Database Reports About Help

Back To Search Back To Brief Back To Summary

**NFTD SUMMARY INFORMATION**

Part Number	12484847	Weapon Sys	DLA GSA Managed Items that cannot be identified to,		
Description	GEAR, HELICAL				NO IMG
Forging/Die No.	12484847	NSN	<u>2540-01-500-0309</u>		
Supplier Cage					

**SHOP REFERENCES**

Shop Name	City	State	Phone	Email	FIA
<a href="#">Details</a> → Milwaukee Forge ←	Milwaukee	WI	414 744 4565		

**TOOL INFORMATION**

Material/Alloy	Weight	0.0000000	DLA Unique ID
Customer Status	Forging Grade		
Tool Type	Product Type		
	Tooling Status		

**NSN INFORMATION**

FSC	2540	NIIN	<u>01-500-0309</u>	INC	11401
Item Name	LATCH,PINTLE HOOK				

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# Forging Industry Association Website



<http://www.forging.org>

- Locate Forge Shops
- Submit Request for Quotes (RFQs)

**FORGING INDUSTRY ASSOCIATION**

Home | Forge Fair | About FIA | About Forging | Contact Us | Members Only Log-in

**FORGE FAIR 2010** Attention Vendors of Forging Equipment, Material Suppliers and Services Worldwide  
Exhibitor Brochure Available Online  
April 20 -22, 2010 - Cincinnati, OH - USA

**What's New** Updated 05/26/09

- FIA Welcomes Budenheim USA, Inc.
- Despite Economic Woes, 2009 Annual Meeting Deemed Success
- FIA Committee Activities Report for 2008-09
- Foundation Announces New Anvil Society Members

**Calendar of Events**

June 15-18, 2009	FIA Theory & Applications of Forging & Die Design
September 13-16, 2009	Hot Forming of Steels & Product Properties, Grado, Italy - Call for papers by Feb 20, 2009
September 13-16, 2009	Titanium 2009 Conference
September 14-17, 2009	FIA Theory & Applications of Forging & Design - Cleveland, OH

**FIA Members**  
Member services and activities

- Members Only Log-in
- Receive RFQs
- Markets Forecast
- Forging University
- Energy Efficiency Tools
- Benchmarking

**Forging Producers & Suppliers**  
Process and production information for manufacturers

- Technology
- Marketing
- Public Policy
- Plant Operations
- Safety
- Catalog of Products

**Designers & Buyers of Forgings**  
Find a forging producer and process information

- Submit RFQ
- Custom Forging Producers
- Advantages of Forging
- Design Engineering Center
- Forging Facts
- How to Buy Forging (pdf)

**Student & Academia**  
Education and career resources

- Find a Job
- Scholarships
- Career Center
- Design Engineering Center
- Forging Facts
- Forging Where, Why, How?

**Forging Foundation (FIERF)**  
Education, technical development and research

- Mission Goals
- Contributor Honor Roll
- Research Initiatives
- Education Initiatives
- Grant Policies (pdf)
- More...



# Find a Forging Source Using FIA Website



- Search for a forge based on process, location, or type of metal being procured

The screenshot shows a web browser window titled "FIA Custom Forging Producers - Windows Internet Explorer". The address bar shows the URL "http://www.forging.org/bgguide/index.cfm". The browser interface includes a search bar with "Live Search" and a menu with options like "File", "Edit", "View", "Favorites", "Tools", and "Help".

The website content is titled "CUSTOM FORGING PRODUCERS". It features a sidebar on the left with navigation links: "FIA Members", "Forging Producers & Suppliers", "Designers & Buyers of Forgings", "Student & Academia", and "Forging Foundation (FIERF)".

The main content area includes the following text and elements:

- A heading: "CUSTOM FORGING PRODUCERS"
- Text: "This Buyer's Guide is also available from FIA on CD ROM. To order the CD, click [here](#)."
- Text: "Search below for ALL Custom Forging Producers or by the listed forging processes."
- A numbered list of forging processes:
  1. [Impression Die Forging](#)
  2. [Open Die Forging](#)
  3. [Seamless Rolled Ring](#)
  4. [Cold Forging](#)
  5. [Full List of ALL Custom Forging Producers](#)
- Text: "Or search using the pull-down menu below."
- Text: "If the information you find on these pages is not specific enough for you to narrow down your search for a forging supplier, consider posting a Request For Quote by clicking [here](#)."
- Text: "For detailed descriptions of these four forging processes, click [\"Forging Process Descriptions\"](#)"
- Text: "Search Custom Forging Producers by company name, location, or materials:"
- Form fields for searching:
  - Company Name:
  - Material Forged:
  - State/Country:  (Including Canada and Mexico)

On the right side of the page, there are three advertisements for forging companies:

- FORGE**: "Open Die Forgings from 5 to 80,000 lbs: Bars, Blanks, Rings, Hubs, Stepdowns, Hollows, and Special Shapes. Rolled Rings to 240" O.D. and 50,000 lbs. Ferrous & Non Ferrous. 800/435-6621 www.scoiforge.com"
- NOVA FORGE CORP.**: "Open Die Forgings 20,000 - 100,000 lbs. Carbon-Alloy ISO 9001:2000. Nova Scotia. 800.590.5890 fpitx.com"
- FPI FORGED PRODUCTS, INC.**: "Closed and Open Die"



# Submit RFQ Through FIA Website



- Fill out all required fields and submit.
- RFQ will notify 118 FIA members.

**FIA - Request for Quotation - Windows Internet Explorer**

http://www.forging.org/rfq/index.cfm?fuseaction=form

File Edit View Favorites Tools Help

Convert Select

FIA - Request for Quotation

### SUBMIT A REQUEST FOR QUOTATION

To submit a request for quotation, please complete the form below. Please provide as much information as possible to avoid being contacted by companies that cannot make a forging to your specification.

Please be advised that FIA is not responsible for securing or protecting proprietary or sensitive technical data posted on this website. Caution is advised for third party companies posting documents stamped "confidential" (or similar). Be sure permission is obtained in advance to post these documents and note said permission on the RFQ posting. In addition, posting of government documents or drawings identified with "restricted or limited distribution" symbols or language is strictly prohibited. Only government documents identified as "Approved for Public Release, Unlimited Distribution", etc. may be posted.

\* Denotes required field.

\* Company:

\* Address:

\* City:

\* State/Prov.:

\* Country:

\* Zip/Postal:

\* Phone:

\* Fax:

\* E-mail:

\* Contact:

Title:

Done

Internet 100%



# Value Engineering Change Proposals

## VECPs



# Value Engineering Change Proposals



- Contractual method to share savings
  - Improve DoD supplies and/or equipment
  - Savings shared between Contractor and DoD
  - Described in FAR Clause 52.248.1
- Improvements include any price savings
  - Processes
  - Materials
  - Manufacturing techniques
  - Other





# Rules and Tools

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- VECP clause in all DSCC contracts > \$25K
- Clause can be added by modification
- VECP can only be received on an instant contract
- Typical share ratio: 50/50
- Collateral lifecycle savings may be negotiated



# Replenishment Parts Purchase or Borrow Program

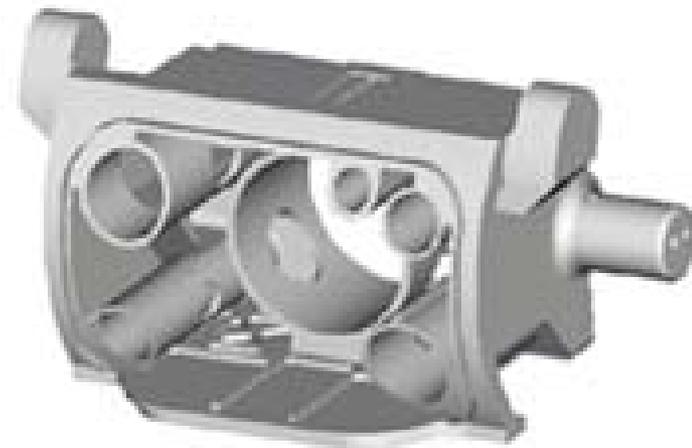
## RPPOB



# 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)
- Promote full and open competition
- Develop new sources
  - Sole Source
  - Limited Competition Items





# RPPOB Methods



- Direct Purchase
  - Contractor buys 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 is returned in "A" condition
- View of Part
  - Contractors may inspect part in a designated area





# RPPOB – What it is Not



- Not intended to proof their manufacturing
- Not available on solicitations/contracts when:
  - In accordance with a specification
  - In accordance with a drawing
- Not to test a competitor's part



**Purpose: Develop New Sources**



# RPPOB Process

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- Contractor request received
- Item reviewed as an RPPOB candidate
- Contact with ESA for approval to bail out
- Contractor provides monies and signs the agreement
- Item directly sent to Contractor
- Contractor provides alternate offer data package
- Data package sent to ESA for final approval
- System updated with approval



# Benefits of RPPOB



- Break Sole Source
  - Average 30-40% in procurement savings
- Provide additional sources on limited source items
- Provide source for obsolete items
- Reduce cost through enhanced competition
- Potential for Unlimited Rights Technical Data Packages (TDPs)

**Increased Competition = Lower Cost to Taxpayers**



# Sustaining Engineering Program

SE



# Sustaining Engineering



- Improve/upgrade DLA-managed items
  - New technology
  - Quality/reliability improvements
  - Ease of maintenance improvements
  - Improve logistics footprint
- Save money!!
- Relatively new program at DSCC
  - Initiated in Jan 04
  - Focus on Land and Maritime items





# Sustaining Engineering



- Proposals solicited from all services
- Proposals evaluated by DSCC team
  - Value Management Team lead
  - Weapon System Support Manager (WSSM)
  - Cognizant Maritime/Land Application Team
    - Engineer/technical
    - Product Assurance
    - Buyer
- Selections funded/implemented in order of
  - Date of receipt
  - Weapon system support impact
  - Overall best value to customer
- Accepted proposals funded by DSCC
  - Coordinated with ESA
  - Funds available FY09: \$5M





# Project Selection Criteria



- DLA/DSCC managed item
- Minimum ROI of 10:1
  - Lifecycle savings
- Make positive impact
  - Operational readiness
  - ALT/PLT
  - Item demand
  - Unit price
- Reduce field maintenance actions
- Improve competitive position
  - Availability of tech data
  - Increase sources of supply





# Aviation Ground Power Unit (AGPU) Exhaust



NSN 2990-01-325-1868

- AGPU used by Army Aviation
- Redesign AGPU exhaust to eliminate heat traps and improve fuel consumption.
- Benefits include:
  - Increased turbine life cycle
  - Reduced maintenance actions
  - Lower fuel costs
  - Gov't owned Technical Data Package
  - Reduced field demands
- Project proposed and managed by Aerospace Ground Support Equipment Directorate at Redstone Arsenal



Investment: \$736K

ROI: 23:1

Project Savings: \$16.8M



# M224 Mortar



NSN 1005-00-903-0933

- Revise drawings/TDP's for 28 DSCC managed NSN's used in M224
  - All approved ECP's
  - Current tolerancing/dimensioning conventions (ANSI Y14.5)
  - Current process specifications for materials, platings, and coatings
- Benefits include:
  - Complete gov't owned TDP's
  - Improved competition
  - Reduced deviation/waiver requests
  - Reduced procurement support costs/lead times
- Project proposed and managed by Benet Laboratory, the design control activity for M224



Investment: \$92K  
ROI: 31:1  
Project Savings: \$1.2M



# Additional Value Management Programs Managed at DSCC



# Additional VM Programs



## Price Challenge Program

- Responsive to customer suspicion of overpricing
- Determine value using tech data, buy history, and similar items
- Provide recommendation when overpricing is discovered
- Corrective action taken to improve pricing or recover funds

## Should Cost Program

- Engineering Intrinsic Value Cost Estimate
  - Materials and labor
  - Testing
  - Packaging
  - Manufacturing Charges
  - Overhead and Profit
- Assists Contracting Officers during procurement negotiations





# Additional VM Programs



## Reverse Engineering

- Performed using Gov't resources
- Items ordered from Gov't stock
- Identifies physical, material, mechanical, and environmental properties
- Test requirements identified/determined
- Technical Data Package developed for use in full and open competitive acquisition



## Organic Manufacturing

- Utilize manufacturing capacity of government labs/arsenals when private industry cannot meet our needs
- **Public** (organic) and **Private** sources cannot compete against each other for awards!
  - Exceptions:
    - **Price**: quoted price is formally determined to be unacceptable
    - **Delivery**: quoted delivery time frame does not meet our requirements.



# New Initiatives



# NIST Pilot Program



- National Institute of Standards (NIST)
  - Nationwide network of not-for-profit companies
    - Provide technical consultants to small business
      - Solve manufacturing/material problems
      - Lean Six Sigma
- Wants to expand to include business opportunities
  - Match opportunities to companies in network
- Goal: Use NIST to develop new sources
  - Hard to buy items
  - Sole source items
- DSCC will provide
  - Training on doing business with DLA
  - Samples, tech data, and/or photos
  - Funding for reverse engineering efforts





# Component Optimization for Ground Systems (COGS)



- Pilot Program funded by TARDEC at TACOM
  - Congressional add money
- What is COGS?
  - Identifies all component and material requirements
  - Develops design and manufacturing alternatives
    - Utilize most cost effective processes
- TARDEC requested DSCC participation
  - DSCC provides NSNs for evaluation
    - DSCC managed NSNs with TACOM as ESA
    - Focus on high dollar and hard to buy NSNs
  - DSCC participates in technical evaluation
- Benefits
  - Gov't owned TDP
  - Approval process short since ESA is team member



# MRAP Support



- Focused support to Land Supply Chain
  - Eliminating duplicate NSNs
  - Reviewing/correcting technical data
- Current focus on “Sources Sought” synopsis
  - Seeking actual MRAP parts manufacturers
  - Synopsis for each MRAP OEM
    - Copies available at Sourcing Booth (#841)





# Summary



- DSCC's Value Management Office provides support
  - Government
  - Customers
  - Suppliers
- Our focus
  - Provide solutions on problem parts
  - Reduce acquisition and support costs
- For further information
  - Contact attached P.O.C.'s
  - Visit our booths: #841, #842, and #941



**Overall Goal: Support the Warfighter**



# Points of Contact

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