



Integrated Casting Order Network (ICON)

Innovative procurement solutions for defense and military related metal castings

Jerrod Weaver, Executive Director
Non-Ferrous Founders' Society
September 21, 2021

The ICON portal is sponsored by:

DLA Troop Support, Philadelphia, PA
and the
Defense Logistics Agency
Information Operations, J68,
Research & Development,
Ft. Belvoir, VA

SUMMARY

Problem

- Metal Castings are difficult for DLA to procure
- Significant portion of unfilled and backorder parts contain one or more castings
- Difficult to match solicitations with suppliers capable of manufacturing those items
- Difficult for industry to identify the castings required by DoD/DLA
- Lack of visibility for tooling related to specific castings leads to creation of duplicate tooling at significant cost to DoD and taxpayer

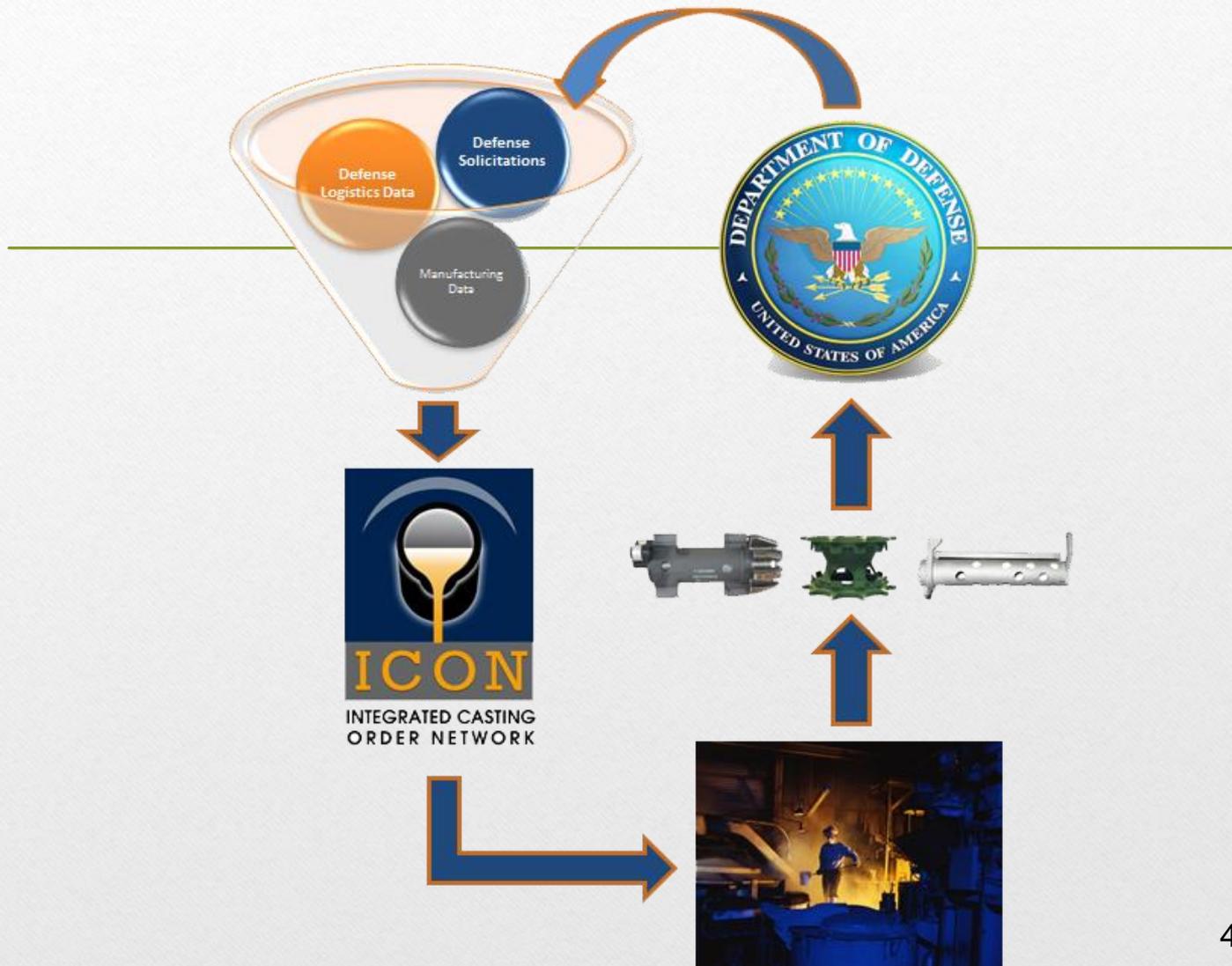
Objective

- An automated solution matching capable suppliers with DLA solicitations using the foundry's material/process capabilities or existing tooling in their possession
- Develop advanced resources to assist DLA/DoD in identifying capable casting suppliers based upon a robust industry capabilities database
- Provide visibility of existing defense and military related foundry tooling to DLA Casting Support Teams

Technology

- Integrated Casting Order Network (ICON) Web Portal

ICON PROCUREMENT FLOW



SOLICITATION/AWARD DATA

- **August 2021**

- 890 solicitations containing castings provided to ICON users
- 313 matched to suppliers based upon material and process
- 204 matched to foundries with existing tooling
- Estimated value of the 890 solicitations: **\$56,501,490**
- 270 contracts worth **\$86,659,018** awarded to ICON users.

- **Contract Award Totals**

- October 2017 year to date:
 - 11,615 contract awards to ICON users worth **\$940,143,134**

ICON PORTAL

NFFS ICON - Home Page

icon.nffs.org

ABOUT CONTACT SUPPORT LOGIN REGISTER

Integrated Casting Order Network

Driving value to the Defense Logistics Agency (DLA) and domestic manufacturers by providing innovative procurement solutions for defense and military related metal castings.

FUTURE EVENT: NFFS will be participating in the Investment Castings Institute (ICI) 68th Technical Conference and Expo November 7-10, 2021 in Grand Rapids MI. As part of the conference a presentation of ICON's capabilities will be featured along with hosting Booth #500. For more information go to www.investmentcasting.org.



NEW BUSINESS OPPORTUNITIES

ICON enables you to find the right opportunities through its integration with major defense procurement sites like FBO, DIBBS, NECO, and ASFI



COMPREHENSIVE DATA

ICON is a comprehensive source for the information you need to determine which opportunities are right for your company



TAILORED SOLUTION

ICON delivers only casting solicitations matched to your manufacturing capabilities. Advanced filtering and sorting features save you valuable time and resources

BID MATCH SETTINGS

NFFS ICON - Notifications Page x +

icon.nffs.org/memberadmin/bidmatching



SOLICITATIONS

TOOLING LOCATIONS

PROCUREMENT HISTORY

SUPPLIER CAPABILITIES

ABOUT

CONTACT

SUPPORT



Bid Matching Settings

Manage your bid matching preferences by selecting from the options below.

* NOTE Changes to your bid match settings are saved automatically.

Material

- Aluminum
- Copper
- Iron
- Magnesium
- Nickel
- Steel
- Titanium
- Lead
- Cobalt
- Unspecified

Method

- Casting
- Investment Casting
- Sand Casting
- Permanent Mold Casting
- Die Casting
- Centrifugal Casting
- Plaster Casting
- Unspecified

Want to just track Solicitations based on a list of specific NSNs?
[Click here to learn more.](#)

Minimum Quantity

Minimum Estimated Cost

ORGANIZATION ADMINISTRATION MENU--continued

The screenshot shows a web browser window with the URL `icon.nffs.org/memberadmin/home/addproduct`. The page title is "NFFS ICON - Add Product Page". On the left sidebar, there are links for "Edit Company Demographics", "View My Products", "Add Product" (highlighted), and "Update Supplier Profile".

The main content area features a file upload instruction box with the text: "Click or drag file to this area to upload. Once you select a file, the upload process will begin immediately. Please make sure that the file you selected is the correct one. In order for your file to be processed correctly, you may need to format it. Click on the ? instructions on how to do this. Only .txt files will be processed".

Below the upload area is a section titled "Add a single Product" with the following form fields:

- Part No ***:
- Part NSN**:
- Description**:
- Tooling Ref**:
- Tooling Cage**:
- Design Alloy**:
- Comments**:
- Visibility**: (dropdown menu)
- Category**: (dropdown menu)

The dropdown menu for "Category" is open, showing three options: "Private", "Government Only" (highlighted), and "Public".

At the bottom of the form are two buttons: "RESET" and "SUBMIT".

ORGANIZATION ADMINISTRATION MENU--continued

NFFS ICON - Add Product Page x +

icon.nffs.org/memberadmin/home/addproduct

Edit Company Demographics

View My Products

Add Product

Update Supplier Profile



Click or drag file to this area to upload

Once you select a file, the upload process will begin immediately. Please make sure that the file you selected is the correct one in order for your file to be processed correctly, you may need to format it. Click on the ? instructions on how to do this. Only .txt files will be processed

Add a single Product

Part No *	<input type="text" value="1560009919350"/>
Part NSN	<input type="text" value="1560009919350"/>
Description	<input type="text" value="Attachment, Fro, Link"/>
Tooling Ref	<input type="text" value="optional"/>
Tooling Cage	<input type="text" value="0 - Undefined"/>
Design Alloy	<input type="text" value="1 - Have tool and it is available for use"/>
Comments	<input type="text" value="2 - Have tool, but is OEM owned. Foundry can alert the prime"/>
Visibility	<input type="text" value="3 - Have tool, but want to keep it private. Just want to receive solicitations"/>
Category	<input type="text" value="4 - Used to have tool, interested in work"/>

5 - Used to have tool, not interested in work

6 - Company Closed

7 - Procurement History

0 - Undefined

DAILY NOTIFICATIONS

NFFS New Solicitation Notification



no-reply@nffs.org
To Jerrod Weaver



NON-FERROUS FOUNDERS' SOCIETY

INTEGRATED CASTING ORDER NETWORK

Connecting foundries with custom defense and military-related sales opportunities

Dear ICON user,

You have the following new solicitations for review on the [NFFS ICON Portal](#):

- Number of new confirmed casting solicitations: 21
- Number of confirmed casting solicitations matching to your "My Product" records: 0
- Number of confirmed casting solicitations matching your organization's bid match settings: 20
- Number of new suspect casting solicitations: 17

Bid Match settings

Materials: aluminum, copper, iron, magnesium, nickel, titanium, steel, lead, cobalt, and unspecified

Methods: investment casting, casting, sand casting, permanent mold casting, die casting, centrifugal casting, plaster casting, and unspecified

Minimum Quantity: 0

Minimum Estimated Cost: \$0

The total estimated value of today's solicitations is \$3,352,873.15.

Questions or comments pertaining to solicitations should be directed to the buyer listed on the solicitation document.

If you have questions or need assistance pertaining to the ICON portal, please direct your inquiries to: support@nffs.org

Non-Ferrous Founders' Society

905 E. Chicago Road, Suite One

Sturgis, MI 49091

(847) 299-0950

[Unsubscribe From This List](#) | [Manage Email Preferences](#)

[Privacy Policy](#)

SOLICITATION INBOX



151 solicitations found

Materials: Aluminum, Copper, Iron, Magnesium, Nickel, Titanium, Steel, Lead, Cobalt

Methods: Investment Casting, Casting, Sand Casting, Permanent Mold Casting, Die Casting, Centrifugal Casting, Plaster Casting

Min Quantity: 0

Min Estimated Cost: 0

Open (369)	Closed (3186)	Awarded (17063)	Cancelled (6613)	Matched (151)	Flagged (0)	To Be Quoted (2)	In Process (0)	Archived (0)										
<input type="checkbox"/>	<input type="checkbox"/>	Folder	Date	Solicitation #	Close Date	Status	NSN	Last Award Date	My Part Numbers	Tooling CAGE	Description	Qty	UI	Est. Value	SRVA	Type	AMC/AMSC	Materials / Methods
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP644721T685Z	2021-09-22	Open	1560012820288	2021-07-28			AIRCRAFT,PAIRING	7	EA	\$6,827.94	6	Casting	1G	Aluminum / Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP644721T687D	2021-09-27	Open	1560009919350	1901-01-01			ATTACHMENT,FRO,LINK	701	EA	\$24,237.77	0	Casting	1K	Steel / Investment Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP644721T688M	2021-09-22	Open	1660008888337	2020-11-09			AIR,C,ASSEMBLY DUCT	2	EA	\$10,800.00	7	Casting	1G	Aluminum / Sand Casting Magnesium / Sand Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP67M021T031V	2021-09-27	Open	4320010100995	2019-01-14			RING,WEARING	1	EA	\$649.00	0	Casting	1G	Nickel / Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP67L421T6296	2021-09-27	Open	2815004270553	2021-08-02			COM INTERNAL PISTON	245	EA	\$61,250.00	38	Casting	1B	Aluminum / Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP644621T472T	2021-09-27	Open	3655007759864	2021-02-11			ASSEMBLY COUPLING,M	351	EA	\$93,334.41	129	Casting	3R	Aluminum / Investment Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP644621T48FZ	2021-09-27	Open	5342006709350	1901-01-01		4V144 / Public	ASSEMBLY TABLE,LATCH	311	EA	\$7,252.52	178	Casting	1G	Steel / Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP67L421Q0201	2021-09-28	Open	1055014438386	2019-04-05			BOLT,BREECH	370	EA	\$695,600.00	46	Casting	1G	Steel / Investment Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP67M221T5684	2021-09-27	Open	1710012924450	1901-01-01			BRAKE BUTTON-CAM	374	EA	\$568.48	2456	Casting	1G	Copper / Sand Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP67M221T379G	2021-09-27	Open	4820015735948	2020-01-13			DISK,VALVE	7	EA	\$2,710.19	16	Casting	1G	Nickel / Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP65E221T5203	2021-09-22	Open	5340004205043	2021-07-21			BRACKET,MOUNTING	1	EA	\$3,900.00	0	Casting	1G	Steel / Sand Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP644521T720D	2021-10-15	Open	1560001269128	2017-10-31			LAT,SPINDLE SUPPORT	5	EA	\$535.50	5	Casting	3C	Aluminum / Investment Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP67M321T198L	2021-09-27	Open	4730000644435	2021-08-19			CAP,DISCONN,EC QUICK	132	EA	\$3,165.36	21	Casting	1G	Aluminum / Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP644721T685X	2021-09-22	Open	1560012820288	2021-07-28			AIRCRAFT,PAIRING	4	EA	\$3,901.68	6	Casting	1G	Aluminum / Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP67L321T559D	2021-09-27	Open	30400009186202	2021-02-26			CONTRM REMOTE,LEVER	1	EA	\$262.00	0	Casting	1G	Steel / Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP65E221T5204	2021-09-22	Open	5340009372538	2020-12-08		56834 / Public	HINGE,STRAP	10	EA	\$1,929.50	0	Casting	1G	Iron / Unspecified Steel / Unspecified
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-14	SP65E221T5208	2021-09-22	Open	5340012502336	2019-07-09			BRACKET,MOUNTING	5	EA	\$6,445.00	0	Casting	1G	Steel / Investment Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-13	SP67M321T197G	2021-09-24	Open	4730013374552	2019-03-27			SEDIMENT,STRAINER	2	EA	\$10,250.00	2	Casting	1G	Copper / Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-13	SP644721T674V	2021-09-21	Open	1680010957353	1901-01-01			COVER,HANDLE,QUADRA	12	EA	\$8,164.99	0	Casting	1G	Aluminum / Investment Casting
<input type="checkbox"/>	<input type="checkbox"/>		2021-09-13	SP644721T674H	2021-09-24	Open	5365008791893	2021-08-04			SLEEVE,SPACER	21	EA	\$1,939.77	24	Casting	1G	Iron / Casting Unspecified / Unspecified

SOLICITATION DETAILS

Solicitation Details

Info										DIBBS Quote	Send RFQ
Solicitation ID	Casting Type	NSN	Nomenclature	Date Issued	Purchase Req #	Quantity	UI	SRVA	SetAside	Materials / Methods	
SPE4A721T687D	Casting	1560009919350	ATTACHMENT,FRO,LINK	2021-09-14	0091113948	701	EA	0	N	Steel / Investment Casting	

Drawings								Download Drawings
Drawing No.	CAGE	Type	Data Type	Doc Date	Rev	Rev Date	Ty No	
009919350-07186	13873	DWG	RE	2007-07-10		2007-07-05		
IT-60	76823	DWG	SS	2006-09-18	E	1989-07-18		
IT-49	76823	DWG	SS	2006-09-18	D	1977-05-25		
HT-3.6	76823	DWG	SS	2006-09-18	C	1969-10-02		
MP-158	76823	DWG	SS	2006-09-24	N	1979-06-27		
009919350-04257	13873	DWG	RE	2006-09-24		2004-09-13		
3-50209	76823	DWG	DD	2006-09-23	C	1965-05-26	3-50209-1	
NFS-70	76823	DWG	CN	2012-09-05	G	2005-02-04		
NAI-1127	76823	DWG	SS	2006-09-18	L	1981-07-22		
IT-60	76823	DWG	CN	2006-09-25	E	2005-03-10		
IT-49	76823	DWG	CN	2006-09-25	D	2005-03-10		
HT-3.6	76823	DWG	CN	2006-09-25	C	2005-05-25		
NFS-70	76823	DWG	SS	2006-09-21	G	1973-05-25		
NFS-70	76823	DWG	NT	2012-09-05	G	2005-02-04		

Previous Page 1 of 1 5 rows Next

SOLICITATION DETAILS-continued

NFFS ICON - Solicitation Details | x +
icon.nffs.org/solicitations/SPE4A721T687D

Recent Solicitations - None Found

Procurement History

Date	Contract Number	Cage	Company Name	Quantity	Unit Cost	Extended Price
2013-04-05	SPE4A713M8293P00002	3L665	C. E. MACHINE CO., INC.	3147	\$30.46	\$95,857.62

Previous Page 1 of 1 5 rows Next

Technical Characteristics

GENERAL CHARACTERISTICS ITEM DESCRIPTION - STEEL,MIL-5-6758,1.934 IN. LG,0.250 IN. MIN,0.254 IN. MAX DIA HOLE 1 IN LINE 2 PLACES FIRST END,0.250 IN. MIN,0.254 IN. MAX DIA HOLE THRU SECOND END

Item Description

LINK,ATTACHMENT,FRO LINK,ATTACHMENT,FRONT MOUNT RP001: DLA PACKAGING REQUIREMENTS FOR PROCUREMENT RQ002: EXPORT CONTROL OF TECHNICAL DATA This item has technical data some or all of which is subject to export-control of either the International Traffic in Arms regulations (ITAR) or the Export Administration Regulations (EAR), and cannot be exported without prior authorization from either the Department of State or the Department of Commerce. Export includes disclosure of technical data to foreign persons and nationals whether located in the United States or abroad. This requirement applies equally to foreign national employees and U.S. companies and their foreign subsidiaries. DFARS 252.225-7048 is applicable to this data. The Defense Logistics Agency (DLA) limits distribution of export-control technical data to DLA contractors that have an approved US/Canada Joint Certification Program (JCP) certification, have completed the Introduction to Proper Handling of DOD Export-Controlled Technical Data Training and the DLA Export-Controlled Technical Data Questionnaire (both are available at the web address given below), and have been approved by the DLA controlling authority to access the export-controlled data. Instructions for obtaining access to the export-controlled data can be found at: <https://www.dla.mil/HQ/LogisticsOperations/EnhancedValidation/> To be eligible for award, offerors and any sources of supply proposed for use are required to have an approved JCP certification and have been approved by the DLA controlling authority to access export-controlled data managed by DLA. DLA will not delay award in order for an offeror or its supplier to apply for and receive approval by the DLA controlling authority to access the export-controlled data. RD002. COVERED DEFENSE INFORMATION APPLIES A metal casting process was identified as a means to manufacture this item. Tooling is required to produce a casting. For sourcing, tooling, materials or other information, please contact the appropriate assistance team: (Aviation, C&E Supply Chains) DSCR.AFCAT@dlam.mil; (Land & Maritime Supply Chains) DSCC.cast.forge@dlam.mil RQ001: HIGHER LEVEL CONTRACT QUALITY REQUIREMENTS (MANUFACTURERS AND NON-MANUFACTURERS) RA001: THIS DOCUMENT INCORPORATES TECHNICAL AND/OR QUALITY REQUIREMENTS (IDENTIFIED BY AN 'R' OR AN 'I' NUMBER) SET FORTH IN FULL TEXT IN THE DLA MASTER LIST OF TECHNICAL AND QUALITY REQUIREMENTS FOUND ON THE WEB AT: <http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx> FOR SIMPLIFIED ACQUISITIONS, THE REVISION OF THE MASTER IN EFFECT ON THE SOLICITATION ISSUE DATE OR THE AWARD DATE CONTROLS. FOR LARGE ACQUISITIONS, THE REVISION OF THE MASTER IN EFFECT ON THE RFP ISSUE DATE APPLIES UNLESS A SOLICITATION AMENDMENT INCORPORATES A FOLLOW-ON REVISION, IN WHICH CASE THE AMENDMENT DATE CONTROLS. RQ001: HIGHER LEVEL CONTRACT QUALITY REQUIREMENTS (MANUFACTURERS AND NON-MANUFACTURERS) RQ009: INSPECTION AND ACCEPTANCE AT ORIGIN RQ011: REMOVAL OF GOVERNMENT IDENTIFICATION FROM NON-ACCEPTED SUPPLIES A metal casting process was identified as a means to manufacture this item. Tooling is required to produce a casting. For sourcing, tooling, materials or other information, please contact the appropriate assistance team: (Aviation, C&E Supply Chains) DSCR.AFCAT@dlam.mil; (Land & Maritime Supply Chains) DSCC.cast.forge@dlam.mil A metal casting process was identified as a means to manufacture this item. Tooling is required to produce a casting. For sourcing, tooling, materials or other information, please contact the appropriate assistance team: (Aviation, C&E Supply Chains) DSCR.AFCAT@dlam.mil; (Land & Maritime Supply Chains) DSCC.cast.forge@dlam.mil SAMPLING: THE SAMPLING METHOD SHALL BE IN ACCORDANCE WITH MIL-STD-1916 OR ASQ H1331, TABLE 1 OR A COMPARABLE ZERO BASED SAMPLING PLAN UNLESS OTHERWISE SPECIFIED BY THE CONTRACT. IF THE APPLICABLE DRAWING, SPECIFICATION, STANDARD, OR QUALITY ASSURANCE PROVISION (QAP) SPECIFIES CRITICAL, MAJOR AND/OR MINOR ATTRIBUTES, THEY SHALL BE ASSIGNED VERIFICATION LEVELS OF VII, IV AND II OR AQLS OF 0.1, 1.0 AND 4.0 RESPECTIVELY. UNSPECIFIED ATTRIBUTES SHALL BE CONSIDERED AS MAJOR UNLESS SAMPLING PLANS ARE SPECIFIED IN APPLICABLE DOCUMENTS. FOR MIL-STD-1916, THE MANUFACTURER MAY USE THE ATTRIBUTE OR VARIABLE INSPECTION METHOD AT THEIR OPTION OR PER THE CONTRACT. MIL-STD-105/ASQ Z1.4 MAY BE USED TO SET SAMPLE LOT SIZE, BUT ACCEPTANCE WOULD BE ZERO NON-CONFORMANCES IN THE SAMPLE LOT UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. 1. THE FOLLOWING SPECIFICATIONS/STANDARDS, ETC., WILL BE USED IN LIEU OF THE DATA INDICATED, THE SUPERSEDED DATA WILL NOT BE FURNISHED UNLESS SO INDICATED. 2. MARK & IDENTIFY PER MIL-STD-130 IN LIEU OF IM-B 3. SURF ACE ROUGHNESS PER ASME B46.1 IN LIEU OF MIL-STD-10 4. CASTING PER SAE AMS 2175 IN LIEU OF MIL-C-6021 5. CASTING COMPLIANCE PER IT-49 IN LIEU OF 6-07000 6. THE CASTING SOURCE FOR 3-50209-IC IS UNKNOWN. CLASS I CASTINGS CAN ONLY BE OBTAINED BY AN APPROVED CASTING SOURCE (I.E.A.W. THE PREVIOUSLY STATED CASTING DRAWING AND ALL APPLICABLE SPECIFICATIONS AND STANDARDS). CONTRACTOR MUST DEVELOP A NEW CASTING SOURCE TO BE APPROVED BY OO-ALC (VIA THE GOVERNMENT PROCURING ACTIVITY) PRIOR TO PRODUCTION WITH THE GOVERNMENT HAVING UNLIMITED FUTURE USE OF THE TOOLING AFTER CONTRACT COMPLETION. THE CONTRACTOR SHALL NOT OBTAIN NEW TOOLING WITHOUT THE EXPRESS WRITTEN CONSENT OF THE GOVERNMENT PROPRIETARY ACTIVITY. Government Best Article Production approval required. Tooling will be in accordance with applicable drawings, specifications and/or Engineering instructions. The first article offered

SOLICITATION DETAILS-continued

icon.nffs.org/solicitations/SPE4A721T687D

REVISION OF THE MASTER IN EFFECT ON THE RFP ISSUE DATE APPLIES UNLESS A SOLICITATION AMENDMENT INCORPORATES A FOLLOW-ON REVISION, IN WHICH CASE THE AMENDMENT DATE CONTROLS. RQ001: HIGHER LEVEL CONTRACT QUALITY REQUIREMENTS (MANUFACTURERS AND NON-MANUFACTURERS) RQ009: INSPECTION AND ACCEPTANCE AT ORIGIN RQ011: REMOVAL OF GOVERNMENT IDENTIFICATION FROM NON-ACCEPTED SUPPLIES A metal casting process was identified as a means to manufacture this item. Tooling is required to produce a casting. For sourcing, tooling, materials or other information, please contact the appropriate assistance team: (Aviation, C&E Supply Chains) DSCR.AFCAT@dla.mil; (Land & Maritime Supply Chains) DSCC.cast.forge@dla.mil A metal casting process was identified as a means to manufacture this item. Tooling is required to produce a casting. For sourcing, tooling, materials or other information, please contact the appropriate assistance team: (Aviation, C&E Supply Chains) DSCR.AFCAT@dla.mil; (Land & Maritime Supply Chains) DSCC.cast.forge@dla.mil SAMPLING: THE SAMPLING METHOD SHALL BE IN ACCORDANCE WITH MIL-STD-1916 OR ASQ H1331, TABLE 1 OR A COMPARABLE ZERO BASED SAMPLING PLAN UNLESS OTHERWISE SPECIFIED BY THE CONTRACT. IF THE APPLICABLE DRAWING, SPECIFICATION, STANDARD, OR QUALITY ASSURANCE PROVISION (QAP) SPECIFIES CRITICAL, MAJOR AND/OR MINOR ATTRIBUTES, THEY SHALL BE ASSIGNED VERIFICATION LEVELS OF VI, IV AND II OR AQLS OF 0.1, 1.0 AND 4.0 RESPECTIVELY. UNSPECIFIED ATTRIBUTES SHALL BE CONSIDERED AS MAJOR UNLESS SAMPLING PLANS ARE SPECIFIED IN APPLICABLE DOCUMENTS. FOR MIL-STD-1916, THE MANUFACTURER MAY USE THE ATTRIBUTE OR VARIABLE INSPECTION METHOD AT THEIR OPTION OR PER THE CONTRACT. MIL-STD-105/ASQ Z1.4 MAY BE USED TO SET SAMPLE LOT SIZE. BUT ACCEPTANCE WOULD BE ZERO NON-CONFORMANCES IN THE SAMPLE LOT UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. 1. THE FOLLOWING SPECIFICATIONS/STANDARDS, ETC., WILL BE USED IN LIEU OF THE DATA INDICATED. THE SUPERSEDED DATA WILL NOT BE FURNISHED UNLESS SO INDICATED. 2. MARK & IDENTIFY PER MIL-STD-130 IN LIEU OF IIM-8 3. SURFACE ROUGHNESS PER ASME B46.1 IN LIEU OF MIL-STD-10 4. CASTING PER SAE AMS 2175 IN LIEU OF MIL-C-6021 5. CASTING COMPLIANCE PER IT-49 IN LIEU OF 6-07000 6. THE CASTING SOURCE FOR 3-50209-IC IS UNKNOWN. CLASS I CASTINGS CAN ONLY BE OBTAINED BY AN APPROVED CASTING SOURCE (I.A.W. THE PREVIOUSLY STATED CASTING DRAWING AND ALL APPLICABLE SPECIFICATIONS AND STANDARDS). CONTRACTOR MUST DEVELOP A NEW CASTING SOURCE TO BE APPROVED BY OO-ALC (VIA THE GOVERNMENT PROCURING ACTIVITY) PRIOR TO PRODUCTION WITH THE GOVERNMENT HAVING UNLIMITED FUTURE USE OF THE TOOLING AFTER CONTRACT COMPLETION. THE CONTRACTOR SHALL NOT OBTAIN NEW TOOLING WITHOUT THE EXPRESS WRITTEN CONSENT OF THE GOVERNMENT PROCURING ACTIVITY. Government First Article Reproduction approval required. Testing will be in accordance with applicable drawings, specifications and/or Engineering instructions. The first article offered

Packaging Information

Quantity Unit Pack = 1 Cleaning and Drying Code Definition Text = 1 Container National Stock Number = Cushioning and Dunnage Material Code = ZZ Intermediate Container Quantity = XXX Intermediate Container Code = ZZ Item Type Storage Code = Level A Packaging Requirement Code = E Level B Packaging Requirement Code = Q Minimum Packaging Requirement Code = Method of Preservation Code = 10 Optional Procedure Indicator Code = O Packaging Data Source Code = P Packaging Category Code = D5A0 Packaging Design Activity Code = 13873 Preservation Material code = 00 Special Marking Code = 00 Special Packaging Instruction Date = Special Packaging Instruction Number = Special Packaging Instruction Revision = Supplemental Instructions = Thickness of Cushioning and Dunnage Code = C Unit Container Code = BD Unit Container Level Code = Unpackaged Item Dimensions = Unpackaged Item Weight = Unit Pack Cube = 0000007 Unit Pack Size = 00190000000 Unit Pack Weight = 00001 Wrapping Material Code = ZZ

Part Number Seg C

CAGE	Part Number	RNCC	RNVC	DAC	RNSC	HCC	MSDS
QJRC1	3-50209-1	C	1	5			
3L665	3-50209-1	3	2	2			
76823	3-50209-1	5	9	X	B		
7N480	3-50209-1	5	2	2			
8X044	3-50209-1	5	2	2			

Weapon Systems Designator Codes

Weapons System Name	WSDC	WSEC	WSIC	WSGC
AIRCRAFT, FREEDOM FIGHTER F-5	21F	3	Z	C
AIRCRAFT, T-38	42F	1	T	C
ENGINE, AIRCRAFT, J85-GE-5/13 (F-5A/B, T-38A)	CBF	1	T	C

TOOLING LOCATIONS

NFFS ICON - Tooling Locations S x +

icon.nffs.org/tools/locator

SOLICITATIONS TOOLING LOCATIONS PROCUREMENT HISTORY SUPPLIER CAPABILITIES ABOUT CONTACT SUPPORT

Search Tooling Locations

NIIN	<input type="text" value="5342006709350"/>
Finished Part Number	<input type="text" value="Enter a Finished Part Number"/>
Part Description	<input type="text" value="Enter a Part Description"/>
Weapon System Designator Code	<input type="text" value="Enter a WSDC"/>
Weapon System Name	<input type="text" value="Enter a Weapon System Name"/>
CAGE	<input type="text" value="Enter Cage"/>
Solicitation Number	<input type="text" value="Enter Solicitation Number"/>

TOOLING LOCATIONS- continued

icon.nffs.org/tools/locator?nationalItemIdentificationNumber=5342006709350

SOLICITATIONS TOOLING LOCATIONS PROCUREMENT HISTORY SUPPLIER CAPABILITIES ABOUT CONTACT SUPPORT

Search Tooling Locations

NIIN

Finished Part Number

Part Description

Weapon System Designator Code

Weapon System Name

CAGE

Solicitation Number

Showing 1 Results

Part Number	NSN	Part Description	Company Name	WSDC	Visibility	Category
63C52656-7	5342-00-670-9350	LATCH, TABLE ASSEMBLY	RLM INDUSTRIES, INC.	24F,26F,2RF,...	Public	0

TOOLING LOCATIONS- continued

FFS ICON - Home Page x +
 icon.nffs.org/details?cage=4V144%20&niin=006709350&partnum=63C52656-7

SOLICITATIONS TOOLING LOCATIONS PROCUREMENT HISTORY SUPPLIER CAPABILITIES ABOUT CONTACT SUPPORT

Search Summary

Part Number	NIIN	Part Description	Company Name	WSDC	Visibility	Category
63C52656-7	5342-00-670-9350	LATCH, TABLE ASSEMBLY	RLM INDUSTRIES, INC.	24F,26F,2RF,...	Public	0 - Undefined

Supplier Details

Company Name	Street Address	City	State	Zip Code	Country
RLM INDUSTRIES, INC.	100 Hummer Lake Road	Oxford	MI	48371-2304	US

Company Website	Point of Contact	Email Address	Phone Number	ICON Member	CAGE
http://www.rlmcastings.com	Rick Meachum	rmeachum@rlmcastings.com	248-628-5103	No	4V144

Supplier Capabilities

Categories	Results
Alloy	355 356 357 713 A356 A357 Austempered Ductile Iron C355 C83400 C86200 C87300 C87400 C87500 C90300 C95400 Carbon/Low Alloy Cobalt-Based Corrosion Resistant Ductile Iron Gray Iron Nickel-Based Specialty Steels Superalloys
Approved Source	BAE Systems DRS General Dynamics L-3 Raytheon
Business Classification	Small Business Veteran Owned
Casting Process	Investment
Core Process	Shell
Federal Classification	1015 1020 1025 1030 1055 1220 1240 1680 2010 2040 2240 2590 2825 2835 2910 3805 4140 4210 4931 5120 5325 5342 5355 5420 5980 5985 6650 6920
Foundry	Yes
Low Volume	No
Material Type	Aluminum Cobalt Copper (Brass/Bronze) Iron Nickel Other Non-Ferrous Steel Superalloys

Go Back

SUPPLIER CAPABILITIES



Search Capabilities

- ICON Members Only
- Foundries Only
- Simulation Capability
- Low Volume

Supplier Capabilities

- > Approved Source
- > NAICS Classification
- > Business Classification
- > Secondary Operations
- > Materials
- > Alloys
- > Casting Process
- > Federal Classification
- > Quality Certifications
- > Rapid Tooling
- > Core Process

348 supplier(s) found

Search Criteria Clear All

Company	CAGE	Address	City	State	Zip	Point Of Contact	Email	Phone
21ST CENTURY DIE CAS...	49Z62	1001 W RIGGIN RD	Muncie	IN	47303-6419	GREGG PHILLIPS	contact@phillispatter...	765-289-2816
A & B FOUNDRY	1A004	835 North Main Street	Franklin	OH	45005	Vik Sahni	Vik@aandbfoundry.com	937-746-3634
A C FOUNDRY INC	9X262	1146 N Raymond Rd	Battle Creek	MI	49014-5817	Tim Cherrington	tcherrington@melling.c...	269-963-8539
A W BELL PTY LTD	ZT810	145 Abbots RdDanden...	DANDENONG SOUTH	AL	3175	Sam Bell	sam@awbell.com.au	61 3 9799 9555
A.C.E. TOOLING, INC.	81PY4	1188 E Broadway Ave	Norton Shores	MI	49444	JOHN PATTERSON	JOHN@ACETOOLING.C...	2317400187
A.M.E METALS, INC	1YMP8	103 KESWICK CT	AMHERST	OH	44001-2368	ERIX INFANTE	erix@amemetals.com	440-985-3749
ABECO DIECASTING, INC.	0GLE5	1424 Higgs RoadP.O. B...	Lewisburg	TN	37091	Mitch Newman	mitch@abecodiecastin...	931-359-4287
ABERLE INDUSTRIAL M...	5C8N0	4860 Van Gordon Street	Wheat Ridge	CO	80033	Steven Aberle	aberlemfg@yahoo.com	303-423-1001
ACME FOUNDRY, INC.	95925	1502 Spruce Street	Coffeyville	KS	67337	Scott Tatman	statman@acmefoundr...	620-251-6800
ACRA CAST INC	1A288	1837 First St	Bay City	MI	48708	R. Singer	sales@acracast.com	989-893-3961
ADAMS & WESTLAKE LTD	70109	940 N MICHIGAN STP...	ELKHART	IN	46514-2216	Mike Rzeszutko	miker@adlake.com	574-264-1141
ADVANCE BRONZE INC	1JJ38	139 OHIO STPO Box 280	LODI	OH	44254-2080	DAVE DELPROPOST	DAVEDELPROPOST@A...	330-948-1231
AEROTEC ALLOYS INC	0A589	10632 ALONDRA BLVD	NORWALK	CA	90650-5301	DONALD KLOCK	sales@aerotecalloys.com	562-809-1378
AFW FOUNDRY INC	0L8A0	21020 W Good Hope Rd	Lannon	WI	53046	Robert Gerstmeier	sales@afwfdry.com	262-251-8180
AIM INDUSTRIAL GROUP	4KHJ5	23010 E Industrial Dr	Saint Clair Shores	MI	48080-1177	Todd Kilgus	TKilgus@aimindustrial...	586-776-5500
ALCASCO FOUNDRY INC	0A8B6	14823 S Loomis Ave	Harvey	IL	60426	Lora Klaviter	lklaviter@alcasco.com	708-333-0137
ALCAST COMPANY	4W683	8821 North University ...	Peoria	IL	61614	Andrew Melendy	andym@alcastcompan...	309-691-5513
ALCON INDUSTRIES INC	12JC4	7990 BAKER AVE	CLEVELAND	OH	44102-1953	JIM MONTEMAGNO		216-961-1100
ALGONAC CAST PROD...	91253	9300 Stone RoadP.O. B...	Algonac	MI	48001	Pam Wrightner	pam@algonaccast.com	810-794-4164
ALLOY CAST PRODUCT...	7W425	700 Swenson Drive	Kenilworth	NJ	07033	Mirella K. DeLima	mirella@alloycastprod...	908-245-2255
ALLOY DIE CASTING CO	28025	6550 Caballero Blvd	Buena Park	CA	90620	Aurello Vega	avega@alloydie.com	714-521-9800
ALU-BRA FOUNDRY INC.	00ALB	630 E Green St	Benseville	IL	60106	Larry Kondik	lkondik@alubra.com	630-766-3112
ALUM-ALLOY CO, INC	1WBZ9	603 S HOPE AVE	ONTARIO	CA	91761	DAVID HOWELL	david@alumalloy.com	909-986-0410

SUPPLIER CAPABILITIES -continued

Browser: NFFS ICON - Supplier Capabilities | URL: icon.nffs.org/suppliers?castingProcess[]=Investment

Navigation: SOLICITATIONS | TOOLING LOCATIONS | PROCUREMENT HISTORY | SUPPLIER CAPABILITIES | ABOUT | CONTACT | SUPPORT

Search Capabilities:

- ICON Members Only
- Foundries Only
- Simulation Capability
- Low Volume

Supplier Capabilities:

- Approved Source
- NAICS Classification
- Business Classification
- Secondary Operations
- Materials
- Alloys
- Casting Process
 - Centrifugal (26)
 - Diecasting (27)
 - Investment (104) 
 - Permanent Mold (34)
 - Plaster (22)
 - Sand (56)
 - Squeeze/Semi-Solid (18)
 - V-Process (19)
 - Vacuum Melt Capabilities (19)
 - Investment Casting Tooling (3)
- Federal Classification
- Quality Certifications
- Rapid Tooling

104 supplier(s) found | Investment x | Clear All

Company	CAGE	Address	City	State	Zip	Point Of Contact	Email	Phone
A & B FOUNDRY	1A004	835 North Main Street	Franklin	OH	45005	Vik Sahni	Vlk@aandbfoundry.com	937-746-3634
ACRA CAST INC	1A288	1837 First St	Bay City	MI	48708	R. Singer	sales@acracast.com	989-893-3961
AEROTECH ALLOYS INC	0A589	10632 ALONDRA BLVD	NORWALK	CA	90650-5301	DONALD KLOCK	sales@aerotecalloys.co...	562-809-1378
AIM INDUSTRIAL GROUP	4KHJ5	23010 E Industrial Dr	Saint Clair Shores	MI	48080-1177	Todd Kilgus	TKilgus@aimindustrial...	586-776-5500
ALCASCO FOUNDRY INC	0A886	14823 S Loomis Ave	Harvey	IL	60426	Lora Klaviter	lklaviter@alcasco.com	708-333-0137
ALCON INDUSTRIES INC	1ZJC4	7990 BAKER AVE	CLEVELAND	OH	44102-1953	JIM MONTEMAGNO		216-961-1100
ALLOY CAST PRODUCT...	7W425	700 Swenson Drive	Kenilworth	NJ	07033	Mirella K. DeLima	mirella@alloycastprod...	908-245-2255
ARISTO-CAST, INC.	1UU41	7400 Research Dr	Almont	MI	48003	Paul Leonard	pleonard@aristo-cat.c...	810-798-2900
AURORA CASTING & E...	3W130	1790 E LEMONWOOD ...	SANTA PAULA	CA	93060-0951	JOHN PENROSE	j.penrose@auroracasti...	805-933-2761
AVALON PRECISION M...	02659	15583 Brookpark Road	Brook Park	OH	44142-1618	Tom Ward	tward@avalon-castings...	216-362-4100
AVALON PRECISION M...	0E6N4	15583 Brookpark Road	Brook Park	OH	44142-1618	Tom Ward	tward@avalon-castings...	216-362-4100
ALSACE INDUSTRIAL IN...	1BY69	2100 Jackson	Port Orford	OR	97465	William Rebhahn	williamrebhahn@gmail...	541-332-1435
AMERICAN AEROSPAC...	562B4	2950 West Catalina Dri...	Phoenix	AZ	85345	Ty Arias	tyarias@aatinc.com	602-268-1467
B&P ALLOYS, INC.	1TSC7	1711 E. Racine Avenue	Waukesha	WI	53186	Mike Payleitner	mikep@bpalloys.net	414-549-6550
BADGER ALLOYS INC	3D237	5120 W STATE ST.	MILWAUKEE	WI	53208-2689	Robert Cowen	robcbadgeralloys.com	414-258-8200
BROST FOUNDRY	8F755	2934 E 55th St.	Cleveland	OH	44127	Bryan Hearn	TIM@BROSTFOUNDRY...	2166411131
BUCK COMPANY	5Z1G6	897 Lancaster Pike	Quarryville	PA	17566	Bill Jackson	patterns@buckcompa...	717-284-0236
BARRON INDUSTRIES	7L135	215 Plexus Drive	Oxford	MI	48371	David McLampy	dmlampy@barron-in...	248-505-1756
BETA ENGINEERING, IN...	33436	468 Dodson Lake Dr	Arlington	TX	76012-3441	Steve Austin	steve@betaeng.com	817-265-3367
BIMAC	64250	3034 Dryden Road	Dayton	OH	45439	rsantos@bimac.com	rsantos@bimac.com	9372997333
CARLEY FOUNDRY, INC.	5DQ76	8301 Coral Sea St. NE	BLAINE	MN	55449	Bob Carity	bob.carity@carleyfoun...	763-205-8905
CLAY-GROOMER MAC...	49750	701 S. Carlton Ave	Farmington	NM	87401	Ivan Wade Clay	ivanwclay@cgms.us	505-327-7751
CONBRACO INDUSTRIE...	57661	125 Highway 501 East	Conway	SC	29526	James Sturgeon	james.sturgeon@conb...	843-347-4666

Page 1 of 5 | 25 rows | Next

SUPPLIER CAPABILITIES -continued

NFFS ICON - Supplier Capabilities x

icon.nffs.org/suppliers?castingProcess[]=Investment&materialType[]=Steel

SOLICITATIONS TOOLING LOCATIONS PROCUREMENT HISTORY SUPPLIER CAPABILITIES ABOUT CONTACT SUPPORT

Search Capabilities

- ICON Members Only
- Foundries Only
- Simulation Capability
- Low Volume

Supplier Capabilities

- Approved Source
- NAICS Classification
- Business Classification
- Secondary Operations
- Materials
 - Aluminum (64)
 - Copper (2)
 - Iron (39)
 - Beryllium Copper (24)
 - Cobalt (48)
 - Copper (Brass/Bronze) (54)
 - Lead (17)
 - Magnesium (24)
 - Metal Matrix Composites (17)
 - Nickel (60)
 - Other Non-Ferrous (59)
 - Steel (88)
 - Superalloys (5)
 - Titanium (25)
 - Zinc (25)
- Alloys
- Casting Process
- Federal Classification

88 supplier(s) found Investment x Steel x Clear All

Company	CAGE	Address	City	State	Zip	Point Of Contact	Email	Phone
ACRA CAST INC	1A288	1837 First St	Bear	MI	48708	R. Singer	sales@acracast.com	989-893-3961
AEROTEC ALLOYS INC	0A589	10632 ALOND BLVD	N WALK	CA	90650-5301	DONALD KLOCK	sales@aerotecalloys.co...	562-809-1378
AIM INDUSTRIAL GROUP	4KHJ5	23010 E Industrial Dr	Saint Clair Shores	MI	48080-1177	Todd Kilgus	TKilgus@aimindustrial...	586-776-5500
ALCON INDUSTRIES INC	12JC4	7990 BAKER AVE	CLEVELAND	OH	44102-1953	JIM MONTEMAGNO		216-961-1100
ARISTO-CAST, INC.	1UJ41	7400 Research Dr	Almont	MI	48003	Paul Leonard	pleonard@aristo-cat.c...	810-798-2900
AURORA CASTING & E...	3W130	1790 E LEMONWOOD ...	SANTA PAULA	CA	93060-0951	JOHN PENROSE	j.penrose@auroracasti...	805-933-2761
AVALON PRECISION M...	02659	15583 Brookpark Road	Brook Park	OH	44142-1618	Tom Ward	tward@avalon-castings...	216-362-4100
AVALON PRECISION M...	0E6N4	15583 Brookpark Road	Brook Park	OH	44142-1618	Tom Ward	tward@avalon-castings...	216-362-4100
ALSACE INDUSTRIAL IN...	18Y69	2100 Jackson	Port Orford	OR	97465	William Rebhahn	williamrebhahn@gmail...	541-332-1435
AMERICAN AEROSPAC...	562B4	2950 West Catalina Dri...	Phoenix	AZ	85345	Ty Arias	tyarias@aatacinc.com	602-268-1467
B&P ALLOYS, INC.	1TSC7	1711 E. Racine Avenue	Waukesha	WI	53186	Mike Payleitner	mikep@bpalloys.net	414-549-6550
BADGER ALLOYS INC	3D237	5120 W STATE ST.	MILWAUKEE	WI	53208-2689	Robert Cowen	robc@badgeralloys.com	414-258-8200
BROST FOUNDRY	8F755	2934 E 55th St.	Cleveland	OH	44127	Bryan Hearn	TIM@BROSTFOUNDRY...	2166411131
BARRON INDUSTRIES	7L135	215 Plexus Drive	Oxford	MI	48371	David McLampy	dmlampy@barron-in...	248-505-1756
BETA ENGINEERING, IN...	33436	468 Dodson Lake Dr	Arlington	TX	76012-3441	Steve Austin	steve@betaeng.com	817-265-3367
BIMAC	64250	3034 Dryden Road	Dayton	OH	45439	rsantos@bimac.com	rsantos@bimac.com	9372997333
CARLEY FOUNDRY, INC.	5DQ76	8301 Coral Sea St. NE	BLAINE	MN	55449	Bob Carity	bob.carity@carleyfoun...	763-205-8905
CLAY-GROOMER MAC...	49750	701 S. Carlton Ave	Farmington	NM	87401	Ivan Wade Clay	ivanwclay@cgms.us	505-327-7751
CONBRACO INDUSTRIE...	57661	125 Highway 501 East	Conway	SC	29526	James Sturgeon	james.sturgeon@conb...	843-347-4666
CONSOLIDATED CASTI...	6A088	1501 S INTERSTATE 45 ...	HUTCHINS	TX	75141-9593	JIM LUKAS	JimLukas@consolicast...	972-225-7305
CONTINENTAL MACHI...	34110	6824 WASHINGTON ST...	ALBUQUERQUE	NM	87109-4421	Kelly Denison	kellydenison@CONTIN...	505-345-2483
CORBITT MANUFACTU...	2N354	650 North Main Center	Saint Charles	MO	63301-2186	Lynn Giatt	lgjatt@corbitmfg.com	636-410-3500
CRAFT CAST CO. INC.	1L6M7	N160 W19170 Sherma...	Jackson	WI	53037-0032	Al Scargall	ajs@craftcastco.com	262-677-2280

Previous Page 1 of 4 25 rows Next

SUPPLIER CAPABILITIES - continued

Supplier Details

Company Name	Street Address	City	State	Zip Code	Country
ACRA CAST INC	1837 First St	Bay City	MI	48708	US
Company Website	Point of Contact	Email Address	Phone Number	ICON Member	CAGE
http://www.acracast.com	R. Singer	sales@acracast.com	989-893-3961	Yes	1A288

Supplier Capabilities

Categories	Results
Alloy	356 380 713 Austempered Ductile Iron Carbon/Low Alloy Cobalt-Based Corrosion Resistant Gray Iron Nickel-Based Specialty Steels Zinc
Business Classification	Small Business Veteran Owned
Casting Process	Investment 
Low Volume	No
Material Type	Aluminum Cobalt Copper (Brass/Bronze) Iron Nickel Steel Zinc
NAICS	331512 - Steel Investment Foundries
Rapid Tooling	Laminated Object Manufacturing (LOM) Stereolithography (SLA)
Secondary Operations	Assembly Dimensional Inspection Engineering & Design Heat Treat Liquid Penetrant Magnetic Particle Radiography Rough/Finish Machining Surface Treatments
Simulation Capability	No

Go Back

RECENT EVENTS

- **Partnered with the Investment Casting Institute (ICI)**
 - Reestablish some capability for Aerospace and Aviation components which are predominately Investment Castings
 - Twelve Month Goal:
 - To on-board 50 new investment casting foundries in ICON
- **Partnered with National Tooling and Machining Association (NTMA)**
 - Rollout ICON to the jobbing machining industry
 - Over 70% of DLA metal casting solicitations are fulfilled by machine shops (MS) who purchase the required metal castings
 - Contracting capable MS provide new opportunity for foundries who prefer not to become a direct supplier to DLA
 - Twelve Month Goal:
 - To on-board 2,500 Machine Shops

Success Story

Problem: Procuring high quality, cost-efficient spare parts for DoD weapons systems, particularly legacy systems, is a challenge for DLA. This can be attributed to factors such as small quantity orders, infrequent buys, fragmented supply chains, and a diminishing manufacturing base. Furthermore, the administrative and production lead times (ALT & PLT, respectively) required for these components can be particularly challenging in allowing the DLA to provide parts on a timely basis to the requesting agencies.

Solution: The **Integrated Casting Order Network (ICON)** portal provides casting suppliers a better method to identify defense related solicitations for which the supplier already has tooling, or may have parts in inventory. This allows suppliers to dramatically reduce the ALT and PLT for defense related orders by eliminating tooling development, or by providing components that are readily available within the supplier's existing inventory.



Aircraft Structural Support Component NSN 1560-01-044-4896

Benefits: Reduced the First Article Testing (FAT) lead time by 19%, from 98 to 80 days. Reduced the Production Lead Time (PLT) 66%, from 126 days to 42 days after FAT approval. It also allowed for a single source supplier to provide a machined and primed component, simplifying the legacy supply chain and allowing the vendor to reduce inventory levels at the same time.

"Thank you for working with Solidiform and assisting us with registering with the ICON portal. We have seen opportunities that we might have missed using other search methods. The most recent success involved castings we have had in stock since 2010 that we will now machine, prime and sell for a much greater value added than the casting itself. Plus the inventory relief is an added benefit. I look forward to working with NFFS as you continue to refine the capabilities of this worthy program." - Kevan Todd, Solidiform, Inc.



Success Story

Problem: Since 1957, the KC-135 Stratotanker has provided aerial refueling to the Air Force, Navy, Marine Corps, and allied-nation aircraft. The last KC-135 was delivered to the Air Force in 1965. Keeping the fleet of over 400 aging aircraft in the air until 2040 depends upon cost-effective replacement components such as the Leading Edge Flap Control Housings. The last purchase of this component was in 2005, and prior to ICON, no casting source or tooling location was available, indicating an unhealthy supply chain for this badly needed item.

Solution: An aluminum sand casting foundry viewed the solicitation for the Leading Edge Flap Control Housings via the ICON portal and prepared the winning bid.



KC-135 Stratotanker

Benefits: Previous procurements of these parts cost \$8,800 each. After the use of ICON, the cost per unit dropped to \$6,225 for a significant 30% cost savings.

“On a daily basis, I analyze the DIBBS open cast metal aircraft part solicitations for what I call “health of supply chain.” The objective is to determine if the manufacturers are still in business, and who has supplied the part to DLA in the past five years. I then look at the potential supply chain and find ways to increase competition and number of valid bid responses to DLA. ICON makes this analysis quick and simple, because of its complete data compilation. Without ICON, this analysis could take days, and now I can do it in hours.”

-Keith Sturgill, CAST-IT Application Engineer, Aviation Forging and Casting Assistance Team

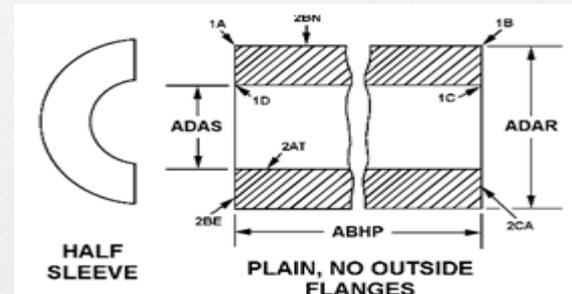


Success Story

Problem: Procuring high quality and cost-efficient components for legacy DoD weapon systems can be a challenge for DLA due to the historically small quantities ordered, infrequent procurements, and a diminishing manufacturing base. These factors also affect the administrative and production lead times required to effectively produce the required components, which can make it difficult for DLA to provide parts in a timely manner for requesting agencies.



Solution: ICON allows casting suppliers to quickly and easily review relevant solicitations and, if available, locate existing casting tooling. A recent example is when DLA was looking to procure a Half-Sleeve Bearing component to support the Ohio-class nuclear-powered ballistic missile Trident submarine. Through the use of ICON, DLA ultimately was able to procure the cast components from a Massachusetts-based foundry.



Benefits: By utilizing multiple features of ICON, DLA was able to procure the components for 25% less, at an approximate savings of \$35k, versus previous procurements of the same order quantity.

“Thanks to the ICON program, our sand castings are able to be tailored to meet the requirements needed for demanding applications, with shape and tooling flexibility. The submission of a proposal in response to DLA opportunities based on research done in ICON has significantly enhanced our ability to submit winning bids.”

--- Jeff Bureck, President, D.W. Clark



- **ICON Web Portal Address:**

- <http://icon.nffs.org>

- **POINT OF CONTACTS:**

- Sheila Rayburn, ICON Program Manager, sheila@nffs.org
- Jerrod Weaver, NFFS Executive Director, jerrod@nffs.org



Non-Ferrous Founders' Society
905 East Chicago Road, Suite One
Sturgis, Michigan 49091
847/299-0950
www.nffs.org

QUESTIONS

