



# DLA Supply Chain Alliance Conference & Exhibition



## CASTING & FORGING

### **Frank DiPofi**

*Aviation Forging & Casting  
Assistance Team (AFCAT) Lead*

### **Dwayne Porter**

*Program Manager, Casting &  
Forging, DLA Land & Maritime*

### **Greg Colvin**

*Technology Fellow, Advanced  
Manufacturing, Honeywell*



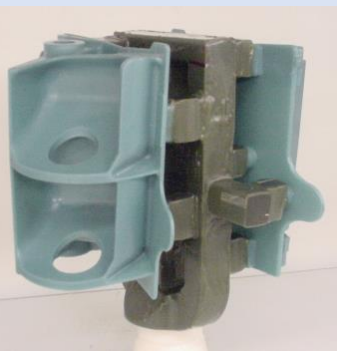
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## Fixtures for castings



## THE CHALLENGE

- The procurement of castings and forgings are often complicated by:
  - Old or obsolete drawings
  - Lack of suppliers
  - Technical questions often take a long time to answer
  - When data is proprietary DLA often defers to a decades old Original Equipment Manufacturer (OEM)



Wax  
Pattern



Wax  
Tooling



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## DLA INITIATIVE

- DLA created two specialized Teams
- Teams are part of two cost-shared initiatives:
  1. Innovative Castings Technologies (ICT)
  2. Innovative Forging Technologies (IFT)

**Maritime & Land Forging And Casting Team**  
(MetalFACT)

**Aviation Forging and Casting Assistance Team**  
(AFCAT)



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## ASSISTANCE TEAMS FOR CASTINGS AND FORGINGS

- Two DLA Assistance teams to reduce procurement challenges associated with castings and forgings
- Comprised of DLA Engineering representatives from:
  - Land and Maritime; and Aviation
  - Forging and Casting Experts from Industry
- These teams are a resource for:
  - DLA Personnel
  - Service Engineers
  - Bidders and vendors

**Technical Data must be available for us to help you, the ESA, or the Vendor**



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## ASSISTANCE TEAMS FOR CASTINGS AND FORGINGS



**Gary Burrow**  
*Billings, MT*



**Dave Poweleit**  
*Chicago, IL*



**Greg Sprouse**  
*Richmond, VA*



**Keith Sturgill**  
*Richmond, VA*



**Prabir Chaudhury**  
*Phoenix, AZ*



**Dekland Barnum**  
*Charleston, SC*



**Julia Spieker**  
*Charleston, SC*



**Mike Gwyn**  
*Charleston, SC*



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## SPECIFIC CHALLENGES

- **Low/Infrequent Orders** – Economically unappealing
- **Sourcing** – Unresponsive vendors
- **Tooling** – Unavailable tooling
- **Technical Field Support** – Missing technical data
- **Technical Specs** – Cancelled, superseded, replaced





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## TRENDING TOPICS

- Material Shortages and Cost of Raw Materials
- Workforce Development for Industry
- Labor Shortages and Availability of Qualified Expertise
- Mergers/Acquisitions of Foundries/Forges
- Supply Chain Delays for Required Equipment



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## DLA MAKES A DIFFERENCE

- Created the DLA Enterprise Casting and Forging Database (DECAF)
- Began inserting standard text into Contracts:
  - Special tooling is needed.
  - Contact DLA if tooling or sources are a challenge
- Provides seamless support by answering technical assistance requests





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## CONTACT DLA ABOUT YOUR CASTINGS & FORGINGS

### **Land & Maritime**

*[DSCC.cast.forge@dla.mil](mailto:DSCC.cast.forge@dla.mil)*

### **Aviation**

*<https://www.dla.mil/Aviation/Offers/Engineering/Forging-and-Casting/>*