

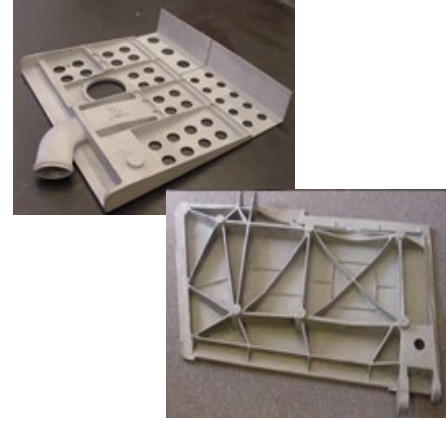
# ForCAST

The Newsletter of the American Metalcasting Consortium

Spring 2022

## CAST-IT and AFCAT Expand Heat Treatment Accessibility for Metalcasters

CAST-IT and DLA Aviation's AFCAT Team successfully recommended that a Tinker AFB drawing be amended to remove the NADCAP-approved heat treatment requirement and instead allow metalcasters to use the heat treater of their choice, and then certify tensile test coupons associated with the casting using a NADCAP-approved nondestructive testing (NDT) laboratory. The requirement to use only third party accredited heat treatment facilities was identified as a cause of sourcing issues, long lead times, and delays in procurements and deliveries of cast components during the 2019 DLA Aviation Casting and Forging Summit. NADCAP heat treaters are not typically located near metalcasters and do not have the experience to accurately and quickly straighten castings before they stiffen and can't be further adjusted. These drawbacks cause an increase in suppliers choosing to no-bid and an increase in probable scrap. The change to the Tinker AFB Drawing removes the NADCAP-heat treatment requirement for the vast majority of over 5,000 NSNs that previously required it. This change will increase the number of supplier bids as well as reduce the costs associated with using only NADCAP-approved heat treaters.



*Complex shapes, lofted contours, and ranginess that are common in castings make them more susceptible to distortion during the heat treatment process and therefore require more expertise to correctly heat treat and straighten.*



### AFS CastExpo 2022

AMC exhibited at the 2022 CastExpo, sponsored by the American Foundry Society, April 23-26, 2022 at the Greater Columbus Convention Center, Columbus, OH. Over 4,700 people attended the highly successful event.



### Upcoming Events

#### AMC Annual Technology Review

Save the Date: **AMC's Annual Technology Review** is scheduled for August 17-18, 2022 at the Hilton Garden Inn - O'Hare, Des Plaines, IL.

#### NADCA 2022 Die Casting Congress & Tabletop

The 2022 **Die Casting Congress & Tabletop** will be held September 13-15, 2022 at the Central Bank Center in Lexington, KY. The event includes three days of informative sessions, exhibits, networking, award presentations and activities committed to advancing the die casting industry.



For more information about AMC go to  
<https://amc.ati.org>

