

ForCAST



The Newsletter of the American Metalcasting Consortium

Winter 2020

In-Process Weld Rework (I-PWR)

In-Process Weld Rework (I-PWR) is an everyday metalcasting industry finishing process that reworks indications of potential non-conformances to meet customer specifications for the casting. This process is often unnecessarily limited which directly results in an increase in cost and lead times. In 2018, AMC published a Casting Quality Tip on I-PWR in hopes of increasing the understanding and acceptance of this procedure for defense castings. David Weiss, VP of Sales and Engineering at Eck Industries, presented information published in the Casting Quality Tip as well as other supporting data at the 2019 AFS CastExpo. In the audience was one of Eck's customers, a US defense prime contractor who, due to the critical applications of its castings, had implemented a blanket specification precluding I-PWR for any of its aluminum castings. Aided by the Casting Quality Tip, David was able to convince the prime to overturn its blanket specification banning I-PWR, thus saving cost and reducing lead times. To learn more, click [here](#).



Metalcasting Concepts Seminar

On January 23, 2020, 33 Fleet Readiness Center Southeast employees attended a Metalcasting Concepts seminar. This seminar featured new material suggested by the DLA Aviation Forging and Casting Assistance Team (AFCAT) relating to First Article Testing (FAT) including a FAT Approval Guideline for DLA legacy casting new awardees. Attendees were very engaged with the new material and the seminar overall received overwhelmingly positive feedback.



AMC Represented at 2019 Defense Manufacturing Conference (DMC)

AMC was well represented as part of the Defense Logistics Agency (DLA) exhibit at the Defense Manufacturing Conference 2019 held at the Phoenix Convention Center, Phoenix, AZ on December 2-5, 2019. The conference was attended by government and industry representatives, showcasing the latest in manufacturing processes in support of military weapons systems. DMC is beneficial to AMC as it provides a forum for technology exchange among customers and partners.



AMC
AMERICAN METALCASTING CONSORTIUM

Visit AMC at Booth # 937 at the AFS Metalcasting Congress
Huntington Convention Center
Cleveland, OH
April 21-23, 2020

ATI
ADVANCED TECHNOLOGY INTERNATIONAL

For more information about AMC, go to: <https://amc.ati.org> or call 843-760-3275.

This AMC project is sponsored by the DLA Troop Support, Philadelphia, PA and the Defense Logistics Agency Research & Development (R&D) Office, Ft. Belvoir, VA.

DISTRIBUTION A. Approved for public release: distribution unlimited.