

# ForCAST



The Newsletter of the American Metalcasting Consortium

Spring 2018

## Should Cost Tool

As part of the American Metalcasting Consortium (AMC), CAST-IT is developing a tool for intrinsic value determinations, also known as should costs. The team routinely provides should cost analyses to Defense Logistics Agency (DLA) Procurement and DLA Value Engineering to avoid potential overpayment and provide the ability to negotiate with reliable information. The analyses have included additive manufacturing cost options to promote cost savings for low quantity buys, economic order quantity estimates, and costs with and without tooling for repeat order evaluations. CAST-IT has performed over 540 should cost analyses for DLA through May 2018. The new should cost tool is capturing CAST-IT member Gary Burrow's cost estimation expertise to provide a legacy solution to the DLA Major Subordinate Commands. So far, two modules have been developed. The first module is for aluminum (A356 and A535) investment castings and the second is for steel (17-4 PH stainless steel) investment castings. The tool uses nine input fields to estimate total part costs plus total fixturing costs. This tool is an important step toward an automated method to determine casting cost estimates for DLA.



**Gary Burrow leads development of Should Cost Tool**



## AMC Represented at 2017 Defense Manufacturing Conference

AMC was well represented as part of the DLA exhibit at the Defense Manufacturing Conference 2017 held at the Tampa Convention Center, Tampa, FL, December 4-7, 2017. The conference was attended by government and industry representatives, displaying and presenting the latest in manufacturing processes in support of military weapons systems. DMC is of great benefit to AMC as it provides a forum for technology exchange among customers and partners.

## 122nd Metalcasting Congress

AMC participated as an exhibitor and provided technical presentations at the 122nd Metalcasting Congress sponsored by the American Foundry Society (AFS). This is one of North America's largest annual events for the metalcasting industry, combining an exhibition of industry suppliers with technical, management, and research presentations from experts around the world. This year's event took place on April 3-5, 2018 at the Ft. Worth Convention Center, Ft. Worth, TX and was attended by over 2,000 industry and government representatives.



## Upcoming AMC Technology Review

The annual AMC Technology Review will be held in Chicago, IL on June 27-28, 2018. The review features applied R&D projects from the Innovative Casting Technologies (ICT) program with over 50 attendees from industry, academia, and government attending.

**AMC**  
AMERICAN METALCASTING CONSORTIUM

Visit the AMC Booth and Technical Presentations at:  
NADCA's 2018 Die Casting Congress & Exposition  
October 15-17, 2018  
Indiana Convention Center  
Indianapolis, IN

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For more information about AMC go to: <https://amc.ati.org> or call 843-760-3483.