

Engine Erosion\Corrosion Resistant Coatings Virtual Forum Minutes

Event: On 29 July, 2014, the Joint Technology Exchange Group (JTEG), in coordination with the National Center for Manufacturing Sciences (NCMS), hosted a virtual forum on “Engine Erosion Resistant\Corrosion Resistant Coatings”.

Purpose: DOD has several programs actively working to transition ER/CR coatings to gas turbine engines associated with helicopters, fixed wing aircraft and M-1 tanks. The purpose of this forum is to provide updates on these programs and exchange information amongst the DOD and industry partners on the benefits, challenges, and results of using these protective coatings.

Administrative: The presentations, along with questions and answers, were conducted through Defense Connect Online (DCO) and an audio line. Questions were sent through DCO and answered by the presenters during the forum. A copy of those presentations which were cleared for public release, the Q&A's, meeting minutes, and a list of registrants, will be available on the JTEG website at <http://jteg.ncms.org/>.

Welcome: Greg Kilchenstein, OSD(Maintenance) opened the forum with a welcome followed by a brief explanation of the purpose of the forum and some background on DoD and industry efforts in engine erosion resistant\corrosion resistant coatings.

Discussion: Below are highlights from the teleconference:

- Marcio Duffles, MDS, provided a brief description of protective coatings to include the latest coating technology referred to as “BlackGold”. These coatings have been extensively tested and are being developed or produced for over a dozen active military programs. The BlackGold is a joint product which is being used by all the Military Services.
- NAVAIR and the Army have been working together on standard work packages.
- Scott Tope, USAF, will provide a paper on T56 (Series III) sand ingestion, which will be posted on the JTEG website.

Closing Comments: Greg Kilchenstein recognized the hard work and the successes that have been achieved by the Services and industry. He re-emphasized the importance of everyone serving as advocates to help expand awareness of these capabilities.

Finally, Greg thanked everyone for their participation in the forum.

Action Items: The following are actions from the forum:

- Post the USAF paper on T56 (Series III) sand ingestion (Scott Tope & NCMS)
- Send out unanswered questions to the presenters. Action: LMI
- Send out questions and answers (or a link) to all registrants. Action: LMI/NCMS
- Send out meeting minutes to all registrants. Action: LMI/NCMS
- Make a POC list of all registrants available and distribute. Action: NCMS

- Post approved slides to JTEG website at <http://jteg.ncms.org/> Action: LMI/NCMS
- Solicit Comments from Community and coordinate with SMEs. Action: OSD/LMI
- Coordinate follow-on MBE SME panel for 28 May.

Next JTEG Meeting: 2 September 2014, 1:00 – 3:00 pm EST. Subject: “New Technologies to Train the Workforce”

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