AMMO WG Teleconference Minutes – 1 July 2015

On 1 July, 2015 the Additive Manufacturing Maintenance Operations (AMMO) working group conducted a teleconference. A brief summary of the teleconference follows:

**America Makes Additive Manufacturing Mx and Sustainment Working Group Update:**

Marilyn Gaska from LMCO, Chair of the working group, and Dana Ellis, Vice Chair, provided an update on the new group. They stated that some sub-working groups have been proposed, and that the WG is developing a CONOPS and charter.

The Working Group will further discuss the plan forward on the additive manufacturing for the maintenance and sustainment technology roadmap. They are currently awaiting feedback from the America Makes Roadmap Advisory Group lead regarding identification of sustainment as a sector for the roadmap effort and the suggested way forward.

Lastly, America Makes is having their 2015 program review and members meeting on 17-19 November. More information is available at [https://www.americamakes.us/news-events/events/event/71-america-makes-program-review-members-meeting-fall-2015](http://links.ncdmm.org/c/1/?aId=61563622&requestId=b18115-bc27215e-f201-4833-9e6e-daa88a0e51b9&rId=contact-a940ef36b5cbe111b24d78e3b5101eaa-32050b70ea594c5bae5a4898370d373f&uId=1&ea=qroeny%3Dbet%3Dapzf&dUrl=https%3A%2F%2Fwww.americamakes.us%2Fnews-events%2Fevents%2Fevent%2F71-america-makes-program-review-members-meeting-fall-2015%3F_cldee%3DZGVicmFsQG5jbXMub3Jn).

**DMDII Update:** DMDII Update: Derek Fulk (NCMS) provided an update. DMDII was established by a signed Cooperative Agreement in February 2014 and does have a cost share requirement. NCMS started working with DMII in the fall. DMDII has had more than a dozen project call problem statements issued through 5 Proposal Call Workshops in the last 17 months. Their focus on digital manufacturing efforts is on levels 4-7. They are trying to develop open source software platforms.

 Although proposal submitters do not have to be a member to submit a white paper, they must be a member to be awarded. NCMS has offered to have submittals go through them. Note that new project calls go out in July.

Derek recommended the AMMO WG talk to Adele Ratcliff at OSD (Manufacturing and Industrial Base Policy (MIBP). He mentioned that significant funding is available to advance digital manufacturing. It was noted that there is a big overlap between DMDII and opportunities to collaborate and leverage available resources.

**JTEG Technology Forum – Digital Thread / MBE:** Greg Kilchenstein, OSD (Maint), provided a quick review of the virtual forum conducted on 30 June. He mentioned the evolution and collaboration in converting to 3D Tech Data Packages, and discussed the creation of a Digital Thread WG under OSD (MIPB), with Brench Boden agreeing to serve as the Chair. Work will begin on a charter soon. Greg stressed the outstanding opportunities to collaborate in this area. The forum concluded with an informative brief on cybersecurity and information assurance. For more information, to include the meeting minutes and the presentation slides, go to <http://jteg.ncms.org/index.php/2013/11/additive-manufacturing-workshop/> .

**28 July Additive Manufacturing JTEG Forum:** The next JTEG forum is on AM and Greg asked the AMMO WG to think up topics for the forum. Consider what your primary needs and gaps are. The JTEG will send out the agenda from the previous JTEG Tech forum on AM.

* Chris Root (FRC-SW) suggested the Collaborative Center that MOOG has set up with Tinker AFB. Chris provided POCs.
* Another option is Education and Training with Deloitte. They conduct a class targeted to an industry audience. For more information go to <http://www2.deloitte.com/il/en/pages/about-deloitte/articles/3d-printing-mooc.html> . Another good education site is DAU <https://acc.dau.mil/AM>
* Greg asked WG members to submit inputs by “Replying All” to the distro list

**NCMS Technology Showcase**

NCMS Technology Showcase…focusing on the digital thread will be held on November 10 - 12 at George Mason University in Fairfax, Virginia. This technology showcase will focus on all NCMS initiatives, including Commercial Technologies for Maintenance Activities (CTMA) initiatives, Digital Manufacturing, the Grid Initiative and NCMS’s partnerships with America Makes and the Digital Manufacturing and Design Innovation (DMDI) Institute. Attendees will include Government and Industry partners, Manufacturing Innovation Institutes and Academia.

Areas of interest will include:
• CTMA and Additive Manufacturing for Maintenance Operations (AMMO) Working Group
• Department of Transportation (DoT) IDIQ/Automotive Safety
• Digital Manufacturing/Grid Cells

If you are interested in attending, sponsorships, or reserving a tabletop, registration will be online shortly or contact Danielle at DanielleJ@ncms.org.

**Action Items:**

Action (All):Greg asked WG members to submit inputs on possible topics for 28 July JTEG virtual forum on AM by “Replying All” to the distro list.

**Next Meeting:** - Wed, July 15th, at 11:00 am EST

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