AMMO WG Teleconference Minutes – 17 June 2015

On 17 June, 2015 the Additive Manufacturing Maintenance Operations (AMMO) working group conducted a teleconference. A brief summary of the teleconference follows:

Attendee Included:

Greg Kilchenstein (OSD-MPP) Connie Phillips (NCMS) Ray Langlais (LMI)

Wayne Ayers (Tinker AFB) Rick Foley (TYAD) Dana Ellis (NCMS)

Mike Nikodinovski (TARDEC) Susan Moehring (TechSolve) Don Smith (Baxter)

Diane Ryan (Siemens) Sanjeev Srivastava (Siemens) Tovy Ardovino (Troika)

Chris Williams (Navy) Marilyn Gaska (LMCO) Maj Eric Kirchner (USMC)

Carl Dekker (Met-L-Flow) Vinny Capobianco (Navy) Bill Baker (Albany USMC)

Brett Conner (YSU) Brian Anderson (ANAD) Chris Root (FRC-SW)

Debbie Lilu (NCMS) Doug Greenwood (FRC-E) Greg Russell (USMC)

Federico Sciammarella (NIU) Gabe Draguicevich (NAVAIR) Kyle Morris (Keyport)

Gary Burrow (HA Burrow) Lucia Mirabella (Siemens) Joe Santner (NIU)

**Action Item Review:**

Action (NCMS):Greg asked Connie Phillips and Dana Ellis to reach out to Wayne Ayers on what his thoughts are on Project Call #4.

Reply: AmericaMakes extended the deadline two weeks. Due to the limited funding and expected benefits, AMMO WG will not be submitting a proposal for Project Call #4.

Action (Carl Dekker): Carl Dekker to share contact information for the direct manufacturing research center that includes Boeing. Mr. Southmayd is the Chair and US Representative. His contact information is [randy.a.southmayd@boeing.com](mailto:randy.a.southmayd@boeing.com) and phone is 314-232-4770

Reply: Link is included in the minutes.

Download the DMRC report of 2014: <http://www.dmrc.de/dmrc_report_2014>

Action (Navy):Greg K asked Vinny Capobianca if he would be willing to give the AMMO WG an overview of what they are doing in respect to qualification standards.

Reply: Vinny (NSWC-SW) provided an overview of a research project on geometric dimension tolerance from a year ago. It resulted in patents for four different artifacts. The project involved additive manufacturing, to include work with metals, and a “round robin’ of functional technologies. NSWC-SW is looking for DoD and industry partners.

Action (OSD-MPP):Greg K said he would reach across OSD to people at Systems Engineering and see if he can get them to talk about what they are doing in the area of “Tech Data” in reference to 3D data policy and requirements.

Reply: Greg K. open action item.

**New Items:**

1. Status of Project Call #3 and the way forward. We submitted 2 proposals – Digital Thread & Castings. Both were rejected. On 16 June, Debbie submitted a formal request for a de-brief to AmericaMakes.

Action (NCMS): Greg Kilchenstein (OSD-MPP) asked Dana Ellis for a package data call from DMDI for Model Based Enterprise. The link for this project call is <http://dmdii.uilabs.org/projects/calls/dmdii-14-06-model-based-enterprise-mbe-data-and-infrastructure>. The project call was due November 21, 2014.

Action: Debbie L. is now on the DMDI distribution list and will review project calls for consideration by AMMO.

1. America Makes (AM) roadmap status:

Two new members from America Makes were introduced:

Joe Santner (NIU)

Federico Sciammarella (NIU)

The roadmap is still being drafted. AM wants the roadmap to be a functional working document. Content will be built into segments. The objective is to identify how to push proposals forward. We want to visually try to map the outcomes back to the roadmap. Our goal is to have it ready early next year and launch Roadmap 2.0. You may contact us if you want to be a part of the workshops.

1. There is a Joint Technology Exchange Group (JTEG) virtual forum on “The Digital Thread and the Model-Based Environment” on 30 June from 1:00-3:00 pm. The AMMO WG will be included in the invite. The abstract, outline, and DCS link will be sent to the AMMO WG.

Action: Debbie L. to send the link for the Defense Collaboration Services and audio line information. Completed

1. AMMO to prepare a white paper for Federico S. White paper would include additive manufacturing technologies specifically pertaining to maintenance and sustainment.

**Next Meeting:** - Wed, July 1st, at 11:00 am EST

POC this action is Ray Langlais, LMI, [rlanglais@lmi.org](mailto:rlanglais@lmi.org), (571) 633-8019