AMMO WG Teleconference Minutes – 1 June 2016

On 1 June, 2016 the Additive Manufacturing Maintenance Operations (AMMO) working group conducted a teleconference. A brief summary of the teleconference follows:

* **Additive Manufacturing Standardization Collaborative (AMSC WG)** - David Coyle, NAVSUP, WSS, provided a briefing on the America Makes & ANSI Additive Manufacturing Standardization Collaborative (AMSC). The AMSC deliverable is a standardization roadmap for additive manufacturing that identifies existing standards and specifications, as well as those in development, assesses gaps, and makes recommendations for priority areas where there is a perceived need for additional standardization. AMSC will not develop standards or specifications; the hope is to help drive coordinated standards development activity. Target roadmap publication by end of 2016. There are four AMSC Working Groups:
  + Design
  + Process and Materials
  + Qualification & Certification
  + Maintenance

Working groups will hold 2X monthly web meetings of about 90 minutes duration. David Coyle is a co-chair of the Maintenance WG. Participants may sign up for one or more groups using the sign-up sheet that Debbie Lilu sent out during the call.

* **Marine Corps AM Roadmap and FY16 Initiatives** – Capt Chris Wood briefed the four vision pillars of the USMC AM Roadmap and FY16 Initiatives:

1) Empowered Marine Fabrication & Training

2) Reduced Obsolescence Risk

3) Expeditionary Fabrication, Repair, and Manufacturing (Flattening the Supply Chain)

4) Disruptive AM-Enabled Capabilities

Considerations for FY16 initiatives include:

* Can they be integrated into the supply chain?
* What do we need?
* Low risk
* Actual existing challenges (i.e. frequently failing part, long lead time part)
* Exploit the unique capabilities of additive manufacturing
* Combatting obsolescence
* Forward deployed capabilities to include cold spray technologies

**Rapid 2016: 3D Printing & Additive Manufacturing Event** – Bob Appleton, Troika Solutions, briefly described the Rapid 2016 event. This was a large heavily attended event. Bob will send the notable briefs to Debbie to post on the AMMO WG website.

**Mx & Sustainment Advisory Group**, Marilyn Gaska, Lockheed Martin, gave an update on multiple topics to include AM road mapping, a value-chain road mapping session, and external outreach. A DAU special edition has been delayed. The AG is looking for topics for a face-to-face meeting which has not yet been scheduled. Potential topics include Additive Repair, Updates on the Roadmaps, and where sustainment fits in.

**AM Wargames** – Marilyn Gaska, Lockheed Martin, provided a quick review and asked for inputs that could help frame follow-on “AM Wargame” sessions.

**Cyber Security** – Andrew Bonica, SPAWAR, provided a very informative brief on “Model Based

Data Management and Enterprise Licensing Roadmap”. He provided definitions, described current problems with individual software procurements and lack of data management, and described DoD and industry’s positioning within the model based enterprise. He explained SPAWAR’s approach to the digital thread and how to bring it all together with EXALEAD.

**Actions:**

1. Post notable Rapid 2016 briefs to AMMO WG website: (Bob Appleton & Debbie Lilu)
2. Provide input to our next session on “Workforce Training” (ALL)

**Next Meeting:** - Wed, 13 July, at 10:30 am Eastern Time (Due to July 4th holiday, meeting is moved to the second Wednesday of July). Topics to be discussed include:

* Workforce Training

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