AMMO WG Teleconference Minutes – 2 Dec 2015

On 2 Dec, 2015 the Additive Manufacturing Maintenance Operations (AMMO) working group conducted a teleconference. A brief summary of the teleconference follows:

**AMMO WG F2F Meeting**

Greg Kilchenstein provided a recap of the inaugural annual AMMO WG face-to-Face meeting conducted on 2 Nov at George Mason University (GMU). Highlights of the 3 hour meeting were:

* Discussion of how to conduct the AMMO WG throughout the year
* Suggested Military Service Principals for the AMMO WG
* Discussion of how to process proposal opportunities / process
* Discussion of a standardized agenda & a calendar of monthly focus areas for the monthly AMMO WG minutes
* Review or the AMMO WG website

**NCMS AM Tech Showcase**

Debbie Lilu provided an out-brief on the NCMS AM Tech Showcase conducted on 3 Nov at GMU. The event was well received with very informative presentations in the morning, followed by three panels: 1) AM Material Qualification/Certification/Standards, 2) Education & Workforce Development, 3) Digital Thread Revolution. The decision to minimize slides during the 3 panels helped generated lively interactive discussions. On the following day, 4 November, the USAF conducted an industry day. For more information, go to the NCMS website <http://www.ncms.org/index.php/2015/11/2015-ncms-technology-showcase/>

**Additive Manufacturing Maintenance & Sustainment Working Group Meeting**

On 19 Nov, America Makes hosted the inaugural AM Maintenance &Sustainment WG meeting in Youngstown, OH. Marilyn Gaska provided a brief summary which included:

* A brief update on the charter
* Presentations and actions from the meeting are on the SharePoint site
* Conformity aspects and qualification needs of AM
* Discussion of AM specifications & standards
* Cold spray certification process
* Practical AM challenges from a DoD perspective (The brief has been emailed to the group)
* Legacy systems vs new design specs and standards, and the respective repair process standardization

**Secretary Stackley Directive Memo on AM**

Dave Barrett, N-4, summarized the major points from the Navy-wide POAM for AM in regard to Secretary Stackley’s 3 Sep directive memo on AM. The directive calls for an acceleration of AM across the Navy enterprise and directed the development of an integrated implementation plan within 60 days. The plan was completed on time and instructs the Navy to maintain momentum and broaden their efforts, and to identify focus areas and prioritize projects. It also lists 5 goals:

1. Increase the development and integration of AM
2. Improve our ability for qualification and certification
3. Standardize a digital framework
4. Develop a DON digital manufacturing grid
5. Formalize AM education and training

Way ahead – establish ROM cost estimates to execute the plan, and NLT 21 Jan 2016, create a prioritized list of what we need to do. Additionally, the Navy is developing a tri-fold to disseminate the plan.

**DLA AM Candidate Part Selection Model**

Tom Kennedy, DLA, provided a brief overview of the AM candidate part selection process model (Tom Kennedy). DLA has a contract with LMI to develop a down-select tool that helps select candidate parts for AM. The tool uses several filters and is currently being evaluated. However, the DLA J6 has not yet decided to integrate the tool with the legacy system. More to follow at subsequent AMMO WG meetings.

**NSWC Corona Round Robin Test**

Vinnie Capobianco of NSWC Corona, provided an overview of their "round robin" test initiative which evaluates AM machine performance by measuring a series of four artifacts produced by various AM technologies. He stated that they have some funds this year to continue and they want to discuss how to share the information they have accumulated. For more information go to: <http://jteg.ncms.org/call-for-technology-additive-manufacturing-round-robin-test/>

**AMMO WG Focus Areas**

The monthly AMMO WG forums will include 1-2 briefings on a selected AM Focus area. Greg Kilchenstein asked everyone to rank order the list of AMMO WG suggested focus areas by the next AMMO WG meeting on 6 Jan. (The list was emailed to the distribution group in a excel file).

**Nominate Projects for “Cross-Cutting Funding”.**

Steve Morani, JCS J4, explained that the JCS is requesting nominations for “cross-cutting projects”. The nominated projects should be multi-service. They are looking for where commonality exists and prioritizing in those areas. Steve asked for project nominations on “Where can AM be applied?” Proposals are needed by the end of Dec with a dollar amount. They are looking to cost share and will need a contract vehicle. Steve will provide a template to the group.

**Actions:**

(All) Please rank order the list of AMMO WG suggested focus areas by the next AMMO WG meeting on 6 Jan.

(All) Submit “Cross-Cutting Funding” project nominations on “Where can AM be applied?” NLT Dec 31.

(Steve Morani) Provide the group with a template for the “Cross-Cutting Funding” project nominations.

**Next Meeting:** - Wed, 6 Jan, at 10:30 am Eastern Time (Scheduled on the first Wednesday

of every month)

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