

Minutes MRL Working Group, 22 Jan 2019

Attendees:

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Al Duncan*	GD Labs		

*Attended via telecom

The MRL Working Group quarterly meeting took place at the Perspecta facility at 4100 North Fairfax Rd in Arlington VA on 22 Jan. 2019. The meeting began at 0900 reviewing the agenda (Appendix A). We then proceeded to go around the room with introductions and sharing of relevant information for the team.

- Jordan Masters stated that the blackbelt program he has been working is going well, data continues to be collected, and processes are being improved.
- Al Duncan mentioned that General Dynamics labs is interested in using MRLs early in development.
- Steve Watts has rejoined the team! Steve retired from the Army but is now working as a defense contractor to support Army ARMDEC on the MRL working group. Welcome back Steve.
- Don Szczur mentioned that the Army new command is now up and running.
- Jim Morgan spoke to aiding the Air Force on conducting MRAs on several hypersonic programs.
- Angie Babian mentioned that Air Force ManTech is conducting MRAs on various programs and many of the contractors are interested in the MRL working group activities. DAU Science and Technology Level 2 in residence course STM203 is undergoing a revamp and Angie was in the class. Feedback to the

instructors from Angie was to include more about the MRL assessment in the class that was focused on technology transition.

- Rob Arthur let the tem know that DAU was being forced to change their email and website addresses from the traditional .mil to .edu. More to come.
- John Rizzo said P&W is working MRLs and AS6500 into new military engine development and how to leverage these into programs of record.
- Melissa Malasmas also said that P&W working on integrating MRLs with operational metrics.
- Kevin Brower is working with Jordan masters to complete MRAs on Army ManTech programs.
- Gary Scalzi is new to the team but not to MRLs. Gary was a branch chief in Air Force ManTech and has now been assigned to AFRL headquarters to ensure that manufacturing risk is identified early in programs.
- Tom Lastoskie is working with Ali Al-Hamdani to update and make changes to the User's Guide.

Next, the action items from the Oct 2018 meeting were reviewed and discussed (Appendix B). Most items had been completed and the items marked in green would be discussed further during the course of the meeting. One item (#9) was discussed and found to be not yet resolved. Don asked that this item be placed on the agenda for the next meeting. The remainder of the action items were either completed, or were overcome by events and were closed.

Next, Angie led a discussion of DMC 2018 and the MRL sessions on for 4-5 Dec 2018. The overall impression was that the MRL sessions at DMC went very well. The one concern is that the MRL working group is the primary attendee of the MRL sessions. This led to a discussion of doing a better job of incorporating MRL into the other sessions at DMC. An action was taken for Jim and Angie to identify the appropriate folks working DMC 2019 to see if MRLs might be more fully exposed during the entire conference and to further discuss this at the next meeting. . John Russell AFRL/RXM will be the main POC from the AF ManTech team to 2019 DMC. The leads for 2019 DMC are MDA – Barry Birdsong and DLA – Dave Koch (new DLA Chief). These folks will be contacted to get MRL incorporated into DMC 2019.

Next, the DMC training survey was moved up to allow more time for OSD to call in on the MRL 1-4 agenda item. Angie led the discussion. Results of the training survey provided at DMC can be found below and were discussed. Angie felt that a different method for collection of the survey results needed to be done if the working group wants to receive adequate information from a variety of attendees.

DMC training survey results

- Question #1 - Are you aware of training that is currently available?

10 of 12 said they were aware of training

- Question #2 - Have you taken the training?

7 of 12 said yes

- Question #3 - Does your company provide MRL training?

6 of 12 said yes

- Question #4 - Is it available to others?

3 of 12 said yes

- Question #5 - If yes, how can others access the training?

1 of 12 said responded with a website

- Question #6 - What do you perceive as the most critical training need?

10 of 12 responded (varied responses)

- Question #7 - How long should the training be? Hours, days?

Anywhere from 2 hours to 5 days responses

Interesting tidbits:

1 - "Management level training" as a need

2 - A certificate program - training plus number of assessments

Reviewing the DMC training survey results led to a discussion of what the MRL working group should do next with respect to training. The discussion led to the possibility of developing training that included more case studies. Most case studies being used were made up but were close to actual assessments. The primary issue is that most assessments contain proprietary information that cannot be disclosed. A search will be conducted by several folks to locate case studies that can be used and developed into training. Josh R. will look into a ManTech program that can possibly be used, Jim will email the working group, DMC attendees, and check with Jeff S. Action items were taken. Any help the working group members can provide will be greatly appreciated.

Next, Cyber security within the MRL BOK was discussed. Dave Karr spoke to Lucas Mclean from AFLCMC/EZSP. Lucas felt that cyber security needed to be addressed in manufacturing facilities. Dave recommended we create MRL WG team to work with IP/Cyber reps from each service and industry to develop potential criteria and User's Guide material. MRL working group team members will be asked if they would like to be a part of this team. It was suggested that Jason S. from Boeing lead this team to utilize his experience with industry and manufacturing environments.

A discussion of the ongoing MRL 1-4 criteria was next as it had been put off to allow time for OSD to call in and provide input. A telecom was conducted last week with MRL working group members interested in finalizing the MRL 1-4 criteria. After much discussion, the question of why we were trying to make changes to the current MRL1-4 criteria came up. It was decided to get the answer from OSD before proceeding. OSD was asked to call into the MRL WG meeting to provide input but unfortunately, they were not available. The team decided to send out the latest version of MRL 1-4 which included input from previous workshops, the MRL WG, OSD, and Jordan M. The team will review and then provide a version which can go final and be placed in the 2018 matrix.

Finally, the teams thoughts on what the working group should work during 2019 was discussed. Dave Karr mentioned that input from the 2018 workshop on the DOD Manufacturing Quality guide was received and most comments were added. The guide was discussed at Mr. Gold's roundtable and is getting close to being released by OSD. For further input on the guide, please email Steve Gray. Steve will also be asked what the working group can send to the workshop participants. Tom F. discussed delinking MRLs from TRLs and adding this information in the new documents we are working this year. Tom L. mentioned that we needed to work on independent risk assessments. These items will be added to the agenda for the April meeting.

Lastly, Jim and the team went over the action items collected during the meeting and the meeting adjourned.

Action items from January meeting:

1. Enquire Army workshop MRL 1-4 “too prescriptive” comments for April meeting. Don S., due 23 April.
2. Find out how to influence DMC 2019 MRL information content, OPR Jim and Angie, due 23 April.
3. Get latest versions of Matrix, Deskbook, and User’s guide complete, OPR Jack and Ali, due 31 Jan.
4. Post latest versions of Matrix, Deskbook, and User’s guide to website, OPR Jim M. and Mark G., due 15 Feb.
5. Work and provide updates to 2019 Matrix, Deskbook, and User’s Guides, OPR Jack, Ali, Team, due 28 Jan 2020 (updates at April, July, and Oct meetings).
6. Produce SOW language asking for MRA on programs for Deskbook., OPR Josh and Team, due 23 April.
7. Get Army S&T input to workshop MRL 1-4 “too prescriptive” comments, OPR Don Szczur, due 3 Mar.
8. Write white paper discussing “assessing risk to reaching nominal MRL target”, OPR Jordan Masters, due 3 Dec.
9. Enquire if ManTech MRA can be shared for training case study, Josh., 23 April.
10. Continue Air Force and Navy cyber security input, OPR Dave Karr and Clint Osborne, due 3 Dec.
11. Spam emails to MRL WG and DMC attendees asking for MRA case studies, OPR Jim, due 23 April.
12. Find out if Raytheon has a case study that can be used, OPR Jim, due 23 April.
13. Send new matrix questions for User’s Guide to Mike G. to look at questions with “and”, OPR Jack, due 23 April.
14. Email MRL WG and seeking volunteers to be on “cyber” team, OPR Jim, due 15 Feb.
15. Email info to Boeing requesting Jason S. to lead “cyber” team, OPR Angie, 15 Feb.
16. Add delinking MRL from TRL and independent risk assessments to next agenda, OPR Jim M., due 23 April.
17. Put delinking MRLs from TRLs on April agenda, OPR Jim M., 16 April
18. Send latest MRL 1-4 version to MRL team, OPR Jim, due 15 Feb.
19. Ask Steve G. what can be sent to working group attendees concerning OSD Mfg and Quality, OPR Jim, due 15 Feb.
20. Provide draft SOW language to include MRL or TRL in contract, OPR John R. due 15 May

Appendix A - Agenda

22 Jan 2019

0900 – 1000	Around the room	All
1000 – 1015	Review October meeting action items	Jim
1015 – 1030	DMC 2018 Summary	Angie
1030 – 1045	Latest BOK updates	Angie
1045 – 1100	Latest Matrix/Deskbook Update	Jack
1100 – 1115	Next Matrix/Deskbook Update	Jack
1115 – 1130	Latest User’s Guide Update	Jim/Ali
1130 – 1145	Next User’s Guide Update	Ali
1145 - 1215	MRL 1-4	Jim

1215 – 1315	Lunch	
1315 – 1330	DMC Training Survey	Angie
1330 – 1345	Training – Next Steps?	All
1345 – 1415	Cyber security	Angie/Dave K/Clint O
1415 – 1445	Other 2019 MRL WG thoughts	All
1445 – 1500	Review Action Items	All
1500	Adjourn	

Appendix B – Status of Action Items from Oct 2018 MRLWG Meeting

1. Confirm the time Mr. Rob Gold needs for his roundtable at DMC, OPR Steve Gray, due 9 Nov.
2. Confirm DMC speakers for DCMA and the Navy, OPR Tony Fowler and Brent Gordon, due 31 Oct.
3. All DMC briefers send their briefings to UTC and Angie Babian, OPR all DMC speakers, due 16 Nov.
4. Send redline version of 2018 criteria matrix to team, OPR Jack Galuardi, due 9 Nov.
5. Complete 2018 version of MRL criteria matrix, OPR Jack Galuardi, due 3 Dec.
6. Update user's guide with new matrix/questions, OPR Jim Morgan and Ali Al-Hamdani, due 3 Dec.
7. Remove current version of user's guide from website and change name of "OLDER", Jim Morgan and Mark Gordon, due 9 Nov.
8. Post new User's guide, matrix, and Deskbook to the website, OPR Jack Galuardi and Jim Morgan , due 21 Dec.
9. Get Army S&T input to workshop MRL 1-4 "too prescriptive" comments, OPR Don Szczur, due 3 Dec.
10. Send email to team to determine interest in joining MRL 1-4 team, OPR Jim Morgan, due 9 Nov.
11. Write white paper discussing "assessing risk to reaching nominal MRL target", OPR Jordan Masters, due 3 Dec.
12. Send APT input to OSD MRL 1-4 to Jordan Masters, OPR Jim Morgan , **DONE**
13. Put together plan for MRL WG activities, OPR Jim Morgan , **DONE**
14. Gather input from Air Force and Navy cyber security division chiefs, OPR Dave Karr and Clint Osborne, due 3 Dec.
15. Determine DMDII plans for DOCENT training, OPR Angela Babian, due 9 Nov.
16. Determine AFIT and DAU available web based training, OPR Jim Morgan , due 9 Nov.
17. Determine ability to use DMC to survey training requirements, OPR Jim Morgan , due 22 Nov.
18. Find historical documents on the sanctioning of MRL the working group, OPR Don Szczur, **DONE**

Green – In progress

Red – needs completed

Black – done/OBE