

Summary of Changes – 2022 MRL Deskbook

This 2022 MRL Deskbook is being provided as an advanced draft of the final version slated for implementation on 1 October 2022. This version has significantly changed since the 2020 version, primarily due to the changes in DoDI 5000.02, *Operation of the Adaptive Acquisition Framework* and the inclusion of Operational Technology (OT) Cybersecurity. The MRL Working Group (MRLWG) recommends any contracting language specifications or any MRL Assessments not require the 2022 version until after 1 October 2022 in order to allow users to adopt the new criteria. Additionally, the corresponding 2022 Users Guide is anticipated to be released prior to 1 October 2022.

Specific updates (not all inclusive)

Section 1 - Updated to the most current DoD documents

- Deleted Chapter 3 – 4.3.18, Systems Engineering: Defense Acquisition Guidebook, Defense Acquisition University; <https://www.dau.edu/tools/dag>
- Deleted all references to DoDI 5000.02T
- Deleted P.L. 112.81.31, Dec 2011:#834
- Added DoDI 5000.88, *Engineering of Defense Systems*, Section 3/6c, Nov 2020

Section 2 - A major re-write describing the relationship of MRLs to TRLs

Discusses no direct one-to-one link between MRL and TRL in the overall product development cycle but encourages manufacturing personnel to work closely with the technologist. The goal is to get manufacturing issues addressed much earlier in the overall development process.

Section 3 – The use of MRL in the new Adaptive Acquisition Framework

New guidance provided for the MRL User to better understand the MRL relationships in various acquisition strategies being defined in the latest DoDI 5000.02.

Section 6 – The addition of cyber security criteria to evaluate risk to manufacturing floor assets

- Updated Figure 6 1 – Mapped MRL Threads of AS6500 & AS9100D Requirements to AS6500A.

Appendices – The most significant change was adding a new sub-tread to the MRL criteria matrix (i.e., I.3, Manufacturing OT Cybersecurity), inclusion of DMSMS concerns across MRLs in alignment with SD-22, and the Appendix C – Operational Technology Cybersecurity. A major effort of the MRLWG over the last two years has been to assess the cyber security risk to manufacturing floor assets as soon as possible in the development process.

We encourage users to download the new version of the document on 1 October 2022 via <https://dodmrl.org>. We expect slight administrative changes due to the review of the OSD Tech Evaluators; however, WE DO NOT ANTICIPATE any substantive changes as all major additions/changes have already been approved by the Joint Defense Manufacturing Technology Panel (JDMTP).

If you have any recommended administrative changes or errata, please contact Mr. Jim Morgan (James.Morgan@arctos-us.com), the MRLWG Secretariat. Please include: recommended change, section/paragraph/page, source and your contact information.

Sincerely,

Barry Burton
MRLWG Chair