

ENGINEERING PRACTICE STUDY

TITLE: DETERMINING THE VIABILITY OF REPLACING MIL-HDBK-103 PARTS I-III WITH LINK.

July 11, 2022

EP Study Project Number: 5962-2022-004

Final Draft Report

**Study Conducted by DLA Land and Maritime
Document Standardization Division (VA)
Microelectronics Branch (VAS)**

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EP study of Determining the viability of replacing MIL-HDBK-103 Parts I-III with link.

- I. **OBJECTIVE:** The purpose of this Engineering Practice (EP) Study is to obtain input/feedback from the military services and DLA Land and Maritime concerning the viability of replacing MIL-HDBK-103 Parts I-III with a link to the online SMCR.
- II. **BACKGROUND:** Defense Logistics Agency (DLA) Land and Maritime began publishing MIL-HDBK-103 in 1995 to present a formal list of all of the Standard Microcircuit Drawings (SMDs) that DLA Land and Maritime manages. This document is roughly 1,000 pages. Within the past decade, the DLA Land and Maritime website has been updated to include an online Standard Microcircuit Cross-Reference (SMCR) database. This allows users to view all SMDs managed by DLA Land and Maritime, the same information that is present in MIL-HDBK-103, and see this info as soon as it is updated. This currency of information is something that is not possible with MIL-HDBK-103, which is outdated before it is even published.

In early 2022, Section 508 of the Rehabilitation Act was activated. This requires all of the documents that DLA Land and Maritime officially publishes on ASSIST or the DLA Land and Maritime website to pass Accessibility compliance, meaning that they theoretically should be accessible to individuals with visual disabilities. MIL-HDBK-103 is currently not 508 compliant, and due to the size of the document, converting it to be 508 compliant would take a very long time. Combined with the fact that the info in MIL-HDBK-103 is outdated long before publication but is available and always up to date on the online SMCR database, this raised the possibility of deleting most of MIL-HDBK-103, namely Parts I, II, and III, and replacing them with a link to the online SMCR, which contains all of the same information that is present in Parts I through III.

DLA Land and Maritime-VA proposed to conduct this EP study to establish that there are no objections to the plan to replace MIL-HDBK-103 Parts I-III with a link to the online SMCR.

- III. **RESULTS:** VA only received four comments. Three were in concurrence with the change. One was in occurrence but raised the issue that not publishing MIL-HDBK-103 will make it more difficult to track vendor name changes.
- IV. **CONCLUSIONS:** VA will remove Parts I and II from MIL-HDBK-103 and replace them with a link to the online SMCR. However, due to the potential benefit and even necessity of preserving info on vendor name changes and parts no longer in circulation, we will keep Part III updated in MIL-HDBK-103. We will also keep a non-508 compliant copy of MIL-HDBK-103 available upon request. However, this non-508 compliant copy will not be published on ASSIST or the DLA website.