

ENGINEERING PRACTICE STUDY

TITLE:

**Market Analysis and Research Engineering Practices (MAREPS) Study:
Molded Case Circuit Breakers specification W-C-375, FSC 5925**

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STUDY PROJECT 5925-2024-015

Final Report

Study Conducted by DLA Land and Maritime

Prepared by:

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OBJECTIVE: The purpose of this Engineering Practice (EP) study is to complete a review of Molded Case Circuit Breaker specification W-C-375 versus UL-489. The review should identify critical vs noncritical deltas between the two documents and determine if paragraph 4.5.3 or paragraph 4.6 should be updated. This review will determine if there is a need to better align the two documents.

BACKGROUND: DLA Land and Maritime Document Standardization Division (VA), Branch VAT is reviewing W-C-375 and UL-489 to determine if changes are needed to update W-C-375. If you have a comment that will impact this review, please notify this office with the technical information needed to support this standardization action.

RESPONSE REQUESTED: Please inform, if you have relevant information concerning the requirements of W-C-375 or UL-489 that should be considered.

RESULTS: The responses to the engineering survey are the following: two of three Military custodians responded no comment, one custodian didn't respond.

CONCLUSIONS: The engineering study of W-C-375 and UL-489 concluded that W-C-375 paragraphs 4.5.3 and 4.6 do not need to be revised. Paragraph 3.2 should be revised to clarify qualification, and paragraph 6.8 should be moved to section 1.2 to align with the current standardization requirements.

RECOMMENDATIONS: Recommendation is to amend or revise W-C-375 to include the following changes: Paragraph 3.2 will be revised to clarify qualification, and paragraph 6.8 will be moved to section 1.2 to align with current Dept. of Defense standardization requirements.