



DEFENSE LOGISTICS AGENCY

DLA Land and Maritime
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9 July 2024

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Engineering Practice Study Concerning MIL-PRF-83536/1, /2, /5, /6, /9, /10, /11, /12, /13, /15, /16, /17, /18, /19, /21, /22, /23, /24, /25, /26, /32, /33, /34, /35, /36, /37 revising Environmental characteristics of Maximum altitude rating FROM 300,000 feet TO 80,000 feet.

Project number: 5945-2024-051.

Objective

This engineering practice study is being conducted to determine the acceptability of revising Environmental characteristics of Maximum altitude rating FROM 300,000 feet TO 80,000 feet.

Background

Currently, the document requires Environmental characteristics of Maximum altitude rating of 300,000 feet. The stated altitude requirement impacts the inspections of Dielectric withstanding voltage and Continuous current. As such, the inspections should be evaluated at an altitude of 300,000 feet. However, the current QPL manufacturers have no history of inspecting to 300,000 feet and are inspecting to 80,000 feet. Per the QPL manufactures, the equipment is not readily available to perform an inspection at 300,000 feet.

The altitude requirement of changing the Maximum altitude rating FROM 300,000 feet TO 80,000 feet was discussed amongst the NASA Electronic Parts Assurance Group and the Government Working Group. No issues were identified.

Request for Comments

Questions needing answers are:

1. Will changing the Maximum altitude rating FROM 300,000 feet TO 80,000 feet negatively impact the desired function for Dielectric withstanding voltage and Continuous current?
2. Is there an application requirement for the relay to be operational at 300,000 feet?
3. Should an inspection be added or modified because of the Maximum altitude rating changing FROM 300,000 feet TO 80,000 feet?

Concurrence or comments are required at the Center no later than August 8, 2024. Comments from military department must be identified as either "Essential" or "Suggested." Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians or this office, as applicable, in sufficient time to allow for considering the department replay.

Please forward your comments or concurrence electronically to the project engineer listed below. This can be done in the form of a return e-mail, with or without an attached text file. If an electronic response is not possible, we will accept comments via letter, facsimile, or phone call but only after you have contacted the project officer. Any further coordination concerning these documents will be circulated only to firms and organizations that furnish comments or reply that they have an interest.

The point of contact for this document is Ms. Erika Baker. The preferred method of contact is e-mail: erika.baker@dla.mil. Ms. Baker can also be reached by phone at 614-692-4481/DSN 692-4481, or by facsimile 614-693-1644.

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Electronic Components Branch