

ENGINEERING PRACTICE STUDY
TITLE: REVIEW OF TERMINAL LENGTH TOLERANCE FOR
MIL-PRF-6106/33D
PROJECT NUMBER 5945-2010-004

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STUDY PROJECT

FINAL REPORT

Study Conducted by Erika Baker

Prepared by:

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ENGINEERING PRACTICE STUDY

Investigation of modifying the terminal strength tolerance, for MIL-PRF-6106/33D

- I. **OBJECTIVES:** Survey the manufacturers and document custodians/reviewers to determine the feasibility of modifying the terminal length tolerance from +/- .010 in. to +/- .020 in.; Figure 1. Dimensions and configurations.
- II. **BACKGROUND:** A manufacturer requested the tolerance change to address First Article Inspection and to reflect tolerance allowed for MIL-PRF-6106 slash sheets 12, 13, 20, 36, and 37.
- III. **RESULTS:** A survey letter was sent to all QPL manufacturers and document custodians/reviewers. The response concurred with the proposal to change the terminal length tolerance to +/- .020 inches.
- IV. **CONCLUSION:** It was determine that DSCC will change the terminal length tolerance to +/- .020 in.; Figure 1. Dimension and configurations.
- V. **RECOMMENDATION:** If there is a specific need to further modify MIL-PRF-6106/33D please notify Erika Baker (614) 692-4481 or Email Erika.Baker@dla.mil. I will be glad to work with the manufacturers and document custodians/reviewers to find a solution.

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