ENGINEERING PRACTICE STUDY
TITLE: TERMINAL LENGTH TOLERANCE FOR MIL-PRF-83536/33
PROJECT NUMBER 5945-2010-012

11 February 2010

STUDY PROJECT

FINAL REPORT

Study Conducted by Erika Baker

Prepared by:

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ENGINEERING PRACTICE STUDY
Investigation of terminal length tolerance, for MIL-PRF-83536/33A

OBJECTIVES: This engineering practice study is being conducted to determine the acceptability of modifying the terminal length tolerance from +/- .010 in. to +/- .020 in.; Figure 1, NOTES: 3. Configurations and dimensions.

I. BACKGROUND: At this time MIL-PRF-83536/33 requires a terminal length tolerance of +/- .010 in. DSCC-VAT received an inquiry from a Supplier, requesting the tolerance change to address First Article Inspection and to reflect tolerance allowed for MIL-PRF-83536 slash sheets 36 and 37.

II. RESULTS: A survey letter was sent to all QPL manufacturers and document custodians/reviewers. The response did concur with the proposal to change the existing terminal length tolerance.

III. CONCLUSION: It was determine the increased tolerance would not negatively impact the end item application or the material's interchangeability. DSCC can adopt the proposed tolerance increase.

IV. RECOMMENDATION: If there is a specific need to modify MIL-PRF-83536/32 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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