

**ENGINEERING PRACTICE STUDY**

**TITLE: DETERMINING THE VIABILITY OF ADDING A PIN SYSTEM TO MIL-DTL-55668.**

**March 27, 2025**

**EP Study Project Number: 6145-2025-003**

**Final Draft Report**

**Study Conducted by DLA Land and Maritime  
Document Standardization Division (VA)  
Interconnection Branch (VAI)**

**Prepared by:**

**Sounder Yuan  
DLA Land and Maritime -VAI  
Email: [Shaokang.Yuan@dla.mil](mailto:Shaokang.Yuan@dla.mil)  
Phone: 614-692-9389**

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

**EP study of Determining the viability of adding PIN system to MIL-DTL-55668.**

- I. **OBJECTIVE:** The purpose of this Engineering Practice (EP) Study is to obtain input/feedback from manufacturers, OEMs, and the military services concerning the viability of adding a PIN system to MIL-DTL-55668.

- II. **BACKGROUND:** During the latest document amendment process for MIL-DTL-55668, DLA Land and Maritime discovered that, unlike almost every other spec, MIL-DTL-55668 lacks a (Part Identification Number) PIN system. This made tracking usage difficult, as the part could not be found in our databases.

However, upon further discussion with an audio equipment manufacturer, it was discovered that MIL-DTL-55668 cord is not sold directly but only when made specifically for any of the headsets that require its usage. This would explain the present lack of a PIN system.

However, there is still variation in the form that MIL-DTL-55668 cord takes. As such, DLA would like further input into the viability of adding a PIN system to MIL-DTL-55668 similar to ones in other wire and cable specifications.

Currently, MIL-DTL-55668 is referenced in two QPL documents that VA is Preparing Activity for: MIL-DTL-83511 and MIL-PRF-87819.

- III. **RESULTS:** VA reached out directly to the headset manufacturers for MIL-DTL-83511 and MIL-PRF-87819: Astrocom, Live Wire, and Roanwell. Through these manufacturers, VA requested feedback from the MIL-DTL-55668 suppliers about whether or not adding a PIN system is viable for MIL-DTL-55668. Astrocom and Live Wire / Whitney Blake both agreed with the change. Roanwell deferred to Whitney Blake. The Army and Force custodians raised no objections.

- IV. **CONCLUSIONS:** Due to internal factors, VA will need to conclude this EP Study. However, VA intends to return to this matter at a later point in time with another EP Study to propose a more specific PIN system structure for MIL-DTL-55668 and evaluate manufacturer responses. If the response is positive, VA hopes to add this proposed PIN system in a future amendment to or revision of MIL-DTL-55668.