

MOBILE FACILITY PROGRAM REVIEW
ACTION ITEM

ACTION ITEM NO.: 6-35

DATE SUBMITTED: 04/18/08

SUBMITTED BY: AS1(AW) Ken White, Expeditionary Logistics Unit ONE

PROBLEM: Mobile Facility CSC Inspection Stands are exposed to frequent and extreme loads but Non Destructive Test (NDI) and Load Test procedures / process have not been identified. A Local MRC can be generated but there is unknown information which needs to be addressed, for example, what is the Safe Working Load based on the structural integrity of the stands and how is the 125% Proof Load weight distributed across the stands and for what amount of time? Is Sand Blasting or grinding suitable surface preparation for the NDI or should paint stripper be utilized? What type of NDI is preferable? Can engineering drawings be made in order to help establish and maintain these standards due to the fact that the ELU CSC stand configuration is different from the type identified in the MIL-HDBK-138B (See below for explanation)?

When the MF stands were built and shipped to ELU in Aviano and Sembach (Approx 1997), the MIL-HDBK-138 depicted an example of suitable stand construction; there was no requirement to build that particular stand. The 'B' version of the 138 had not been issued yet.

The stands built for ELU were engineered to provide larger footings (i.e., bearing surface) to prevent legs from penetrating into the pidemonte (compacted clay/gravel mix) MF pads at Aviano AB and the asphalt pad at Sembach AB. The engineering drawing does not depict the CSC Inspection Stand utilized by ELU

RECOMMENDATION: Determine pertinent details in order to assist in the establishment of maintenance requirements, process and periodicity for NDI and Load Test of MF CSC Inspection Stands?

STATUS: 5/23/2007 For readdress from NAWCAD Lakehurst. This issue has been addressed once before but will be addressed again during the LRG.
01/29/09 CLOSED -- Not a program issue.

ACTION AGENCY: NAWCADLKE