

MOBILE FACILITY PROGRAM REVIEW
ACTION ITEM

ACTION ITEM NO.: 1-113

DATE SUBMITTED: 3 May 2005

SUBMITTED BY: MALS-14 W/C990 SNCOIC

PROBLEM: Lack of quick grounding device on MF's.

RECOMMENDATION: Install retractable grounding spools within the input power panel of each MF. Extend the grounding cable through the exterior bulkhead of the panel, when the MF is complexed, simply extend the cable and attach to the grounding source. When MF is de-complexed, disconnect the cable from the grounding source and the cable will retract back into the power input panel. Similar to aircraft grounding systems.

MARFORLANT comments: This may warrant further research. If this has merit, it could result in a proposed TD.

STATUS: 24 MAY 05

ACTION AGENCY: NAWCADLKE CODE 11725

COMPLETION DATE:

TBD

STATUS: 16 JUN 05

NEW ACTION AGENCY: NADEPNI CODE 48730

Open. NADEPNI Code 48730 Engineering is to conduct research and provide findings.

COMPLETION DATE:

15 SEP 05

ACTION ITEM NO: 1-113 (CONTINUED)

STATUS: 03 OCT 05

CLOSED. NADEPNI CODE 48730 RECOMMENDS CLOSURE TO ACTION ITEM 1-113 WHILE THE CURRENT GROUND-NEUTRAL SEPARATION EFFORTS ARE IN WORK. UPON COMPLETION OF SUCH EFFORTS, IT WILL ELIMINATE NEED FOR EACH MF IN A COMPLEX TO BE GROUNDED. IN OTHERWORDS, MOST MF'S WILL NOT REQUIRE GROUNDING WIRES IN THE NEAR FUTURE. EACH MF COMPLEX WILL STILL HAVE TO BE GROUNDED AT SOME POINT, PROBABLY AT THE INU, ACCORDING TO THE NATIONAL ELECTRICAL CODE.

IT IS RECOMMENDED THAT THE ABOVE INFORMATION BE REGARDED AS THE SOLUTION TO ACTION ITEM 1-113.

ALSO, NADEPNI CODE 48730 RECOMMENDS NOT UTILIZE THE RETRACTABLE GROUNDING-WIRE SYSTEM PRESENTED BY FLEET PERSONNEL DURING THE FY-05 LOGISTICS REVIEW GROUP (LRG) MEETING DUE TO NON-COMPLIANCE WITH THE REGULATIONS IN ARTICLE 250 (GROUNDING AND BONDING) OF THE NATIONAL ELECTRICAL CODE.