

MOBILE FACILITY PROGRAM REVIEW  
ACTION ITEM

ACTION ITEM NO.: 6-43

DATE SUBMITTED: 06/27/07

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**PROBLEM:** 400Hz Power. MMG1As are old and energy inefficient. MMG1As are also rolling stock equipment which is either not Intermodal or must be loaded into an intermodal container.

On the T-AVBs, we installed 400Hz static converters. Each converter is capable of 180KVA and is capable of supporting all 400Hz MF requirements on the ship. Total cost was approx 100K. These units are the same ones used by the Navy on air-capable ships.

**RECOMMENDATION:** Look at the possibility of creating a 400Hz converter MF. It will have the advantage of reducing transport/lift foot print, provides clean 400Hz power and is more energy efficient than the MMG1As (means less generators, no longer need to provide gens just to power an MMG). Also, the maintenance support effort is significantly less.

**STATUS:** 04/30/08 CLOSED--After intense research of the MMG-1A situation and all alternates, other than the ECU-108 replacement (ECU-130/F) it is not cost effective to replace the MMG-1A. Reworking the MMG-1A will be the way ahead.

05/29/08 Also research options with PMA-260.

ACTION AGENCY: NAWCADLKE