



MF Program Action Item

Action Item Number: 1-127 **Date Submitted:** 04/13/10 **Submitted By:** MALS-39

Problem/Project Description:

The NBC-1 was the battery charger that the NB-03 was designed for. The NBC-1 was approximately 2' W x 2 1/2'H x 2 1/2' D. The new battery charger that is used now, MSD-970-1, is approximately 1 1/2'W x 1'H x 2'D. This change in the size of the battery charger is creating a lot of Dead Space within the charging cabinets.

With this new battery charger, the MSD-970-1, comes an extra draw on the power. Per the SME at MALS-39, 620 is only able to run up four chargers per cabinet without running into power problems within the chargers, causing them to fault out. The lockers are designed to run 8 chargers per cabinet.

Recommendation:

The cabinets need to be redesigned, taking in account the new battery charger to maximize the usable space.

The power requirements and power drain of the newer battery charger, MSD-970-1, needs to be looked at to determine whether the MF can handle the increase in power draw or while redesigning the cabinets they are set up to run just four chargers.

Status/Course of Action: (Funded Yes No N/A)

Accepted

04/29/2011 - The NB-03 Ni-Cad battery MF configuration is currently undergoing a design review. The battery charging cabinets and charging receptacles will be redesigned. The explosion-proof receptacles will be replaced with standard twist-lock type (which are in the stock-system) and that fit the standard MSD-970-1 power cord. The redesign will position the charging area on one side of the MF and the battery storage area on the other side. The new Ni-Cad battery MF design will replace NB-03 MFs.

Action Agency: NI Engineering **Assigned To:** Lloyd Bjurman **Date Assigned:** 04/13/10

Est. Completion Date: 06/30/12 **Act. Completion Date:** _____ **Closed By:** _____