DEPARTMENT OF THE ARMY
US ARMY INSTITUTE OF PUBLIC HEALTH
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1 0 MAY 2013

MCHB-IP-OHH

MEMORANDUM FOR Project Office (AMSEL-SF-SI/Dr. Lawrence Valencourt), U.S. Army Communication-Electronics Command, 6002 Combat Drive, Aberdeen Proving Ground, Maryland 21005-1845

SUBJECT: Health Hazard Assessment Report (RCS MED-388) No. S.0001839-13 Thales, Modular Universal Battery Charger, 3 April 2013

1. REFERENCES. This memorandum contains a list of references used in this Health Hazard Assessment Report (HHAR).

2. PURPOSE. To determine the potential health hazards associated with the Thales, Modular Universal Battery Charger (MUBC). The HHAR will support MUBC for testing, safety confirmation for fielding, and related procurement requirements.

3. AUTHORITY. The Army's Health Hazard Assessment (HHA) Program is an Army Medical Department initiative in cooperation with and in support of the Army acquisition process. The primary objective of the Program is to identify, assess, and make recommendations to eliminate or control health hazards associated with the life cycle management of weapons platforms, munitions, equipment, clothing, training devices, and other materiel systems. The proponent of the HHA Program is The Surgeon General (TSG) of the Army; however, TSG has designated the Army Institute of Public Health as the Lead Agent. The HHA Program provides support to materiel acquisition programs to ensure compliance with the requirements contained in references 1 through 6.

4. BACKGROUND. The MUBC is a 12/24 volt, 800 watt-hour, zinc air battery pack. It weighs about 2.59 pounds and connects to devices via a variety of cables and connectors. The MUBC is designed to be integrated into the body armor system with

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armor retrofit kits that allow cable management inside the armor shell. The MUBC will be used to keep the Warfighter's device batteries and other high drain applications charged at all times.

5. CONCLUSIONS.

a. Based on a review of the HHA request and supporting documentation found in references 7 through 9, we have determined that the potential health hazards associated with the MUBC have been adequately addressed. No additional HHA action is required by your program; however, modifications to the item or use scenario may result in the requirement for an updated HHAR. Data requirements, health effects, medical criteria, and references specific to the types of health hazards assessed by the HHA Program may be found at the following website: http://phc.amedd.army.mil/topics/workplacehealth/hha/Pages/default.aspx.

b. The scope of this report is limited to pre-fielding development of the system identified in the subject line. The occupational health hazard assessment of this item pertains to this system under the normal-use scenario provided by the program/ product/project management office (PMO). Additional items and accessories used in conjunction with or added to the system may cause a cumulative increase in risk to the Soldier. An assessment of this cumulative risk is beyond the scope of this report, but nonetheless should still be evaluated or considered by the PMO as part of their system safety and health management program.

c. This memorandum will serve as your HHAR. Provide this HHAR to System Safety, Manpower and Personnel Integration and Environment, Safety, and Occupational Health coordinators. Use the HHAR to update the Programmatic Environment, Safety, and Occupational Health Evaluation.

6. POINT OF CONTACT. Direct inquiries regarding the HHAR to the Army HHA Program's Project Officer, Ms. Jennifer M. Mancini, at commercial 410-417-2830, DSN 867-2830, or e-mail: jennifer.m.mancini3.civ@mail.mil.

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ARL (RDRL-HRM/RDRL-SLE-G)
CRC (CSSC-E)
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REFERENCES

1. Army Regulation 40-10, Health Hazard Assessment Program in Support of the Army Acquisition Process, 27 Jul 07.

2. Army Regulation 602-2, Manpower and Personnel Integration (MANPRINT) in the System Acquisition Process, 1 Jun 01.

3. Army Regulation 385-10, The Army Safety Program, 23 Aug 07 (Rapid Action Revision 4 Oct 11).

4. Department of Defense Instruction 5000.02, Operation of the Defense Acquisition System, 8 Dec 08.

5. Army Regulation 70-1, Army Acquisition Policy, 22 Jul 11.

6. Memorandum, Under Secretary of Defense, Acquisition, Technology, and Logistics, 23 Sep 04, subject: Defense Acquisition System Safety.

7. Memorandum, U.S. Army Communications–Electronics Command, AMSEL-SF-SC, 4 Apr 12, subject: Request for Health Hazard Assessment Thales Modular Universal Battery Charger.

8. Safety Assessment Report, Modular Universal Battery Charger, Thales Communication, Incorporated, 22 Sep 11.

9. Thales Prototype Universal Battery Charger User's Manual, Thales Communication, Incorporated, May 10.