



## AMMTIAC Helps Ensure that the Power Needs of Warfighters Are Met Quickly

Keeping warfighters in the field equipped and supplied, especially in wartime, is a challenge that has tested every military force throughout the course of human history. The modern soldier is no exception, although the types of supplies have changed. While food, shelter, and clothing are constants, the weapons and equipment have evolved from horses and gunpowder to rifles, ammunition, and even electric power. To that end, AMMTIAC provides technology transfer and technical support to the Battery Research Network (BATTNET). BATTNET is a program operated under the auspices of the Defense Logistics Agency (DLA), partnering with the Services, academia, and industry to ensure that military soldiers are provided with safe battery technologies for their equipment without delay, and that there is a robust and reliable US-based battery manufacturing capability available to supply the warfighter. As part of the support, AMMTIAC-coordinated



*The battery power needs of today's soldier are great*

BATTNET research activities through workshops and steering group meetings, provide technical expertise in electrochemistry, manufacturing, and supply chain logistics, and assisted the DLA in technology transfer and information dissemination activities.

One of DLA's missions is to supply equipment and spare parts to the Nation's combat forces during peacetime and emergency. The DLA BATTNET Program fosters research within the areas of battery technologies and battery support equipment such as chargers. They also support research into the standardization of battery technologies across weapons systems where applicable, automation of battery manufacturing processes to reduce costs, assessing the status of fielded batteries to garner performance/reliability data, and the benchmarking and improvement to the battery supply chain.

Another area in which BATTNET focuses is battery safety, especially within those battery technologies making use of exotic or relatively new electrochemistries such as lithium ion. BATTNET and its partners review the cause of battery failures and translate that information into safety critical design changes or manufacturing practices that are in turn disseminated/recommended to battery manufacturers to ensure a safe product for use by the soldier.



*DLA supports a wide array of battery needs*

**For further information on the BATTNET program, please contact Ben Craig at:**

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