

POWER GRID TRAINING PLUGS SAFETY

ELECTROCUTIONS IN THEATER ARE HAPPENING!

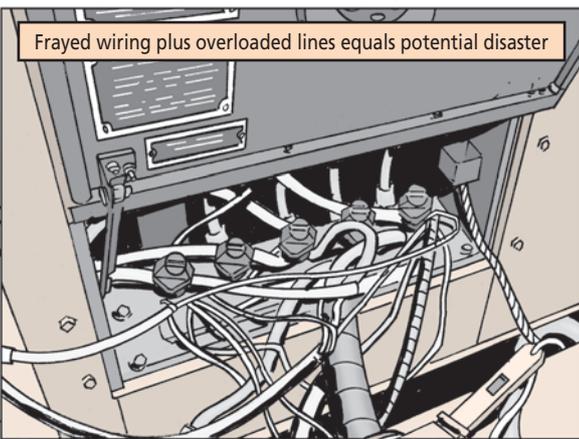
THESE DEATHS ARE SAD AND WERE PREVENTABLE.

Bullets and bombs are not the only threats in a war zone. Something as simple as taking a shower or washing a vehicle can end in tragedy. Several Soldiers have died from electrocution, and others have been injured in power-related incidents.

NOW THERE'S A POWER GRID TRAINING COURSE THAT TEACHES PROPER INSTALLATION OF THE CENTRAL POWER SOLUTION!

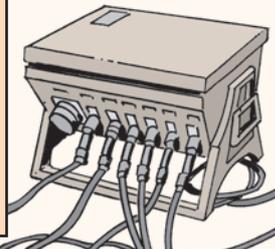
These kinds of tragedies are caused by overloaded circuits, inadequate extension cords or improperly emplaced grounds in the power system. Following safety procedures could have prevented such disasters.

Frayed wiring plus overloaded lines equals potential disaster



It's easy to assume that when outlets are available there is sufficient electricity, too. However, the central power solution (CPS) was developed to provide tactical power grids that supply power to new, power-hungry technologies. Many servicemembers do not know how to emplace power grids properly. Proper installation of power grids can prevent electrical fires and save lives.

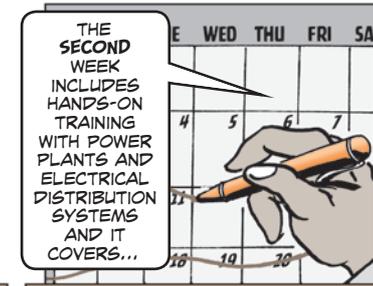
Put safety first by learning right way to set up power structure



The Communications-Electronics Command-Life Cycle Management Command (CECOM-LCMC) Information Technology Field Service Branch (IT-FSB) Tactical Power Integration Team (TPIT) now offers a 2-week power grid training course that teaches Soldiers how to install the CPS properly. This is important because CPS installation does not currently fall under any military occupational specialty.



THE FIRST WEEK OF TRAINING COVERS...



THE SECOND WEEK INCLUDES HANDS-ON TRAINING WITH POWER PLANTS AND ELECTRICAL DISTRIBUTION SYSTEMS AND IT COVERS...

- Electrical safety, basic electrical theory, units of measurement, electrical symbols, Ohm's Law, electrical math, AC (alternating current) and DC (direct current) circuits, single-phase and 3-phase power, computing neutral current, load calculations and load balancing
- Introduction to the National Electrical Code
- Sizing of conductors, current draw and voltage drop, circuit breakers and fuses, tools, and use of test equipment (such as multimeters, ammeters and ground resistance testers).

- Grounding and bonding methods
- Preventive maintenance checks and services, safety, paralleling procedures (how to parallel generators to create backup power and uninterrupted power transfer)
- Troubleshooting, power plant emplacement, power distribution illumination systems electrical (PDISE) set up, designing and connecting the power grid, and the differences between generator models.

This training will be given to some units during rotations to the Joint Readiness Training Center (JRTC) at Ft Polk, LA, or the National Training Center (NTC) at Ft Irwin, CA.

However, any unit can request power grid training from CECOM's IT-FSB TPIT by calling DSN 738-5505, (254) 288-5505, or emailing:

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