

## Alterations for Expeditionary Facilities

### Technology Description

EXWC EX320 provided engineering change alterations to Expeditionary TRICON Facilities that were not in compliance with the National Electric Code and which posed a potential safety risk to personnel and equipment.

EXWC conducted a visual inspection and functional assessment of the Expeditionary Self-Serve Laundry, Expeditionary Batch Laundry, Expeditionary Shower, and Expeditionary Latrine. EXWC visually examined conductors, piping and associated ancillary equipment, noted deficiencies and documented results.

Subsequently, EXWC powered up the respective units, assessed whether equipment functioned properly without any adverse conditions being observed, and documented results. Each unit was setup in accordance with the Operating Instructions provided by the manufacturer. Power and water were provided using cables and hoses provided with the units. In addition, overall power used by each facility was measured in order to ensure the appropriate size generator was specified to adequately power the facility.



Expeditionary Self Service Laundry During Testing

EXWC found deficient conditions on all the equipment and prepared Alteration Packages for each. These included technical instructions on how to repair the unit, a Bill of Materials to implement the change, and a cost estimate to complete the repairs.

### Value to the Warfighter

EXWC was able to provide the warfighter with improved personal hygiene facilities at field locations that function in accordance with applicable codes and safety requirements.

### Technology Transition Documentation

Transition Category 1 – Knowledge Products: System Alteration Records for the units have been provided to the Program Office.

### Site Implementation

Throughout TOAs

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