



UNITED STATES ARMY
PRODUCT MANAGER
FORCE SUSTAINMENT SYSTEMS





FORCE PROVIDER EXPEDITIONARY CAPABILITIES:

Force Provider Expeditionary is a modular base camp life support capability that supports 150 personnel with environmentally controlled billeting, food service, hygiene, power generation and distribution, petroleum and water storage and distribution, and shower water recycling.

DESCRIPTION:

Force Provider Expeditionary is the Army's Premier Base Camp. The Force Provider concept was born in 1991 as a result of inadequate living conditions for our Soldiers during Operation Desert Shield/Storm. General Sullivan, CSA directed the development of a containerized, highly deployable city. Force Provider Expeditionary provides Soldiers with the basic necessities for living conditions - billet, showers, latrines and laundry, kitchen and their support equipment.

Based on lessons learned from the deployment scenario, the Force Provider Module has evolved from a 600 man camp with limited flexibility in deployment capability, to a 150 Soldier Expeditionary Base Camp with additional Moral, Welfare and Recreational and Administrative support capabilities. Each Expeditionary Base Camp comes complete with water and fuel storage, and distribution systems, and wastewater collection.

Force Provider Expeditionary has provided high quality living conditions in Guatemala, Honduras, Haiti, Guantanamo Bay, Bosnia, Afghanistan, Africa, Iraq and Kuwait.

INFORMATION CONTACT:

Combat Field Service Equipment Team
DSN 256-4486/(508) 233-4486

Expeditionary Base Module Components:

- Expeditionary Base Camp (150 Soldier)
- Water Management System
- TRICONS: 22 Rev D
 - Expeditionary Latrines System (ELS): 2 each
 - Expeditionary Showers System (ESS): 2 each
 - Expeditionary Batch Laundry (EBL): 1 each
 - Expeditionary TRICON Kitchen System (ETKS): 1 each
- Generators (MEP806B/MEP1070A): 6 each micro-grid configuration

Module Production & Distribution:

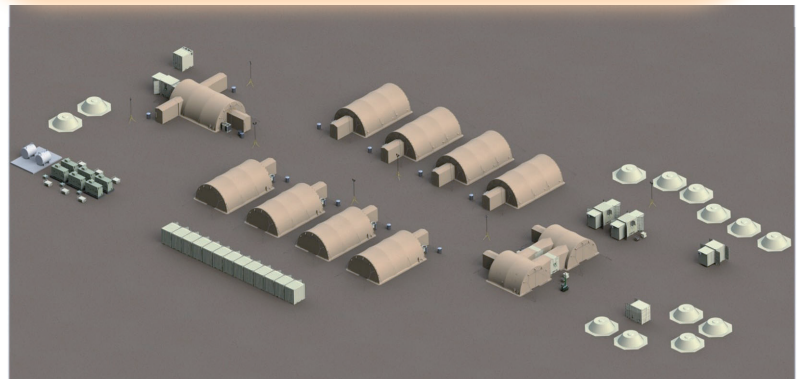
- Production Objective (AAO): 236
- Modules Complete: 236

Optional Add-On Equipment for Force Provider:

- Morale, Welfare & Recreation Complex
- Administration Complex
- Cold Weather Kit (provides freeze protection down to -15 F)
- Prime Power Kit (US Army Prime Power Battalion high power generator support)
- Electric Kitchen Complex (1800 A rations per day – 600 man camp support)
- Waste Water Trailer (1K waste evacuation trailer – 600 man support)
- Site Preparation Equipment (skid steer loader – 150/600 man camp support)
- Quality of Life Equipment (to meet Senior Warfighter Forum (SWarF) deployment guidelines)
- Water Reuse System (WRS) (to reduce dependence on water resupply missions)

Force Provider Module NSNs:

- Production Configuration:
 - 5419-01-548-5064 (Tan)
 - 5419-01-548-5063 (Green)





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FORCE PROVIDER EXPEDITIONARY (FPE) 150 MAN CAPABILITIES:

- Completely self-contained, stand-alone system
- 150 man Billeting – TEMPER Air Supported (TAS) tents
- Kitchen/Dining Facilities
- Administration Support Facilities
- Expeditionary TRICON Systems
 - Expeditionary TRICON Kitchen System (ETKS) (1×)
 - Expeditionary Latrine System (ELS) (2×)
 - Expeditionary Shower System (ESS) (2×)
 - Expeditionary Batch Laundry (EBL) (1×)
- Power Generation/Distribution
 - Generators (MEP 806B)/(MEP1070A) (6×)
 - 200AMP Power Distribution Box (6×)
- Fuel Storage/Distribution
 - 1 K Fuel Bladders (4×)
 - Fuel Distribution Pump (1×)

DEPENDENCIES:

- User provides:
 - Food
 - Potable water
 - Fuel
 - Trash disposal
 - Black Water disposal

TRANSPORTABLE:

- Land/Rail/Sea/Air
- Meets CSC/ISO requirements

DEPLOYABLE:

- C-17 compatible
- Rapid set-up – 8 men in 4 hours

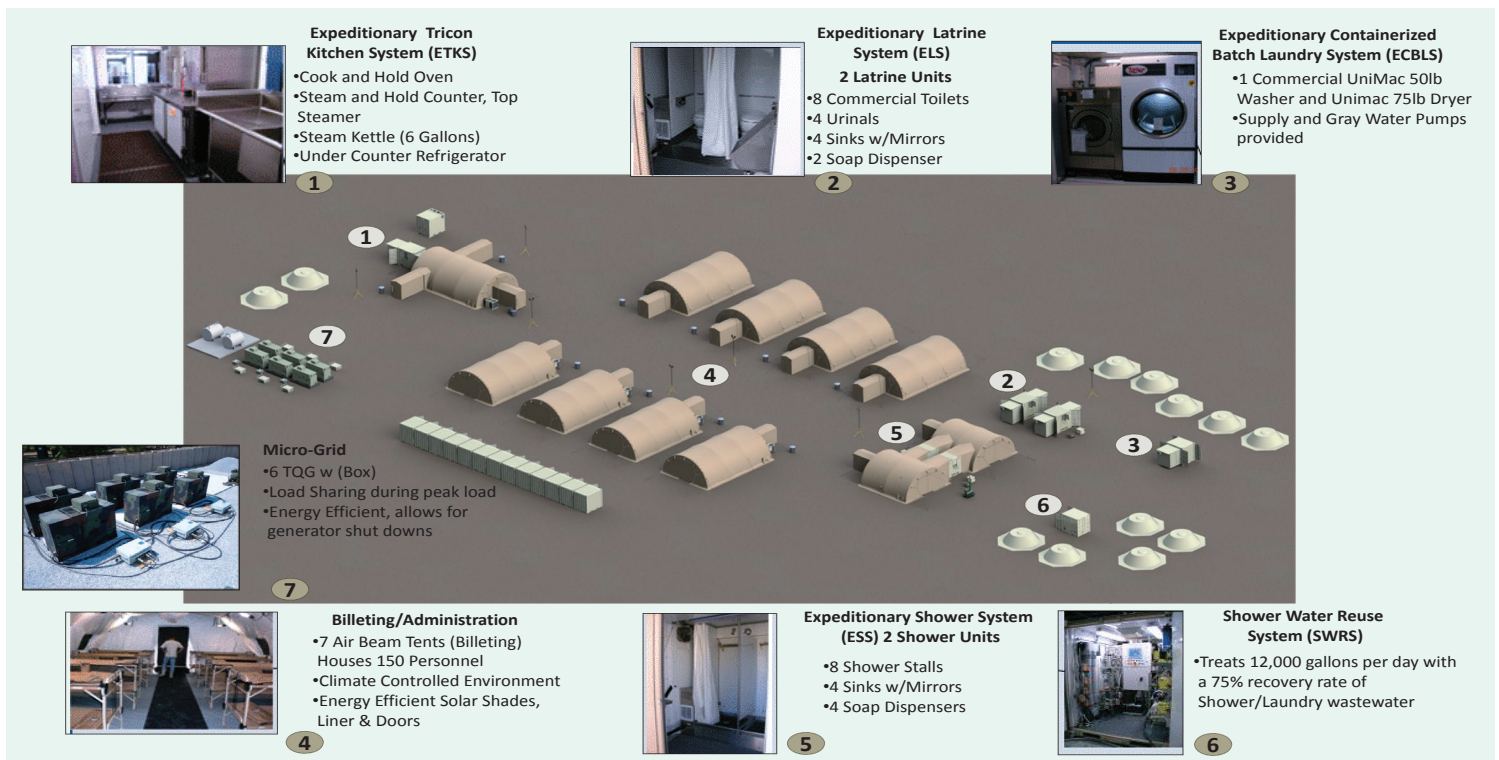
FLEXIBILITY:

- Complexes into larger facilities through multiple EBCs or other base camp systems
- Additional Add-On capabilities
 - Cold Weather Kit
 - Prime Power Kit

Meets CSA mindset for commonality on the battle field

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ENERGY EFFICIENT RIGID WALL LIFE SUPPORT MODULE (E2RWLSM)

CAPABILITIES:

Energy Efficient Rigid Wall Life Support Module is a modular base camp life support capability that supports 150 personnel with environmentally controlled billeting, food service, hygiene, power generation and distribution, petroleum and water storage and distribution.

DESCRIPTION:

Energy Efficient Rigid Wall Life Support Module provides the basic necessities of living conditions in a field environment – billeting, showers, latrines, kitchen, and their support equipment. Each E2RWLSM comes complete with power generation (micro grid capability) and distribution, water and fuel storage and distribution systems, waste water collection and water reuse capability. Billeting and Administration facilities are expandable 20 FT ISO rigid wall shelters.

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Energy Efficient Rigid Wall Life Support Module Components

- TRICONS: 3 each,
- 20 FT ISO Billeting Module (15 each)
- 20 FT ISO Administration Module (2 each)
- TRICON Refrigerated Containers (TRCS): 1 each
- Expeditionary TRICON Systems (3 each)
 - Expeditionary TRICON Kitchen System (ETKS) (1 each)
 - Expeditionary Latrine System (2 each)
 - Expeditionary Shower System (2 each)
 - Expeditionary Self-Serve Laundry (1 each)
 - Water Reuse System (1 each)
- Four 32 ft Airbeam environmentally controlled billeting tents
- One 32 ft Airbeam environmentally controlled tent administration tent
- Kitchen/Dining Facilities
- Power Generation MEP 1070A (6X) with micro grid capability
- Fuel storage/Distribution
 - 1K gallon Fuel Bladders (4 each)
 - Fuel Distribution System (1 each)

Energy Efficient Rigid Wall Life Support Module Add-On Equipment

- Cold Weather Equipment FPE (Provides freeze protection down to -15F) NSN: 5419-01-581-2258 (T), 5419-01-580-6932 (G)
- Morale, Welfare and Recreation Complex
- Administration Complex
- Prime Power Kits (US Army Prime Power Battalion Medium Power generator support – 600 man support)
- Electric Kitchen Facility (1800 A rations per day – 600 man support)
- Waste Water Tank/Trailer (1K waste evacuation trailer – 600 man support)
- Site Preparation Equipment (skid steer loader – 150/600 man support)
- Energy Efficient Rigid Wall Life Support Module Dependencies
- User provides
 - Food
 - Fuel
 - Black water disposal
 - Potable water
 - Trash disposal
 - Force Protection

Energy Efficient Rigid Wall Life Support Module Production Objectives

- War Reserve/Operational Project Stock
- AAO: 24

Energy Efficient Rigid Wall Life Support Module NSNs:

5419-01-672-8779 (T)
5419-01-672-8769 (G)



PLATOON BASE LIFE SUPPORT MODULE (PBLSM)

CAPABILITIES:

Platoon Base Life Support Module is a modular base camp life support capability that supports 75 personnel with environmentally controlled billeting, food service, hygiene, power generation and distribution, petroleum and water storage and distribution.

DESCRIPTION:

Platoon Base Life Support Module provides the basic necessities of living conditions in a field environment – billeting, showers, latrines, kitchen, and their support equipment. Each PBLSM comes complete with power generation and distribution, water and fuel storage and distribution systems, and waste water collection.

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Platoon Base Life Support Module Components:

- Rev A: TRICONS: 9 each,
- TRICON Refrigerated Containers (TRCS): 1 each
- Expeditionary TRICON Systems (3 each)
 - Expeditionary TRICON Kitchen System (ETKS) (1X)
 - Expeditionary Latrine System (1X)
 - Expeditionary Shower System (1X)
- Four 32 ft Airbeam environmentally controlled billeting tents
- One 32 ft Airbeam environmentally controlled tent administration tent
- Kitchen/Dining Facilities
- Power Generation MEP 1070A (3X)
- Fuel storage/Distribution
 - 1K gallon Fuel Bladders (2X)
 - Fuel Distribution System (1X)

Platoon Base Life Support Module Add-On Equipment:

- Cold Weather Equipment PBC Provides freeze protection down to -15F)
NSN: 5419-01-660-6753 (T),
5419-01-660-6771 (G)

Platoon Base Life Support Module Dependencies:

- User provides
 - Food
 - Potable water
 - Fuel
 - Trash disposal
 - Black water disposal
 - Force Protection

Transportable:

- Land/Sea/Air
- C-17 compatible
- Meets CSC/ISO requirements

Platoon Base Life Support Module Production Objectives

- War Reserve/Operational Project Stock
- AAO: 20

Platoon Base Life Support Module NSNs:

- 5419-01-624-4927 (T)
- 5419-01-624-4930(G)



ADMINISTRATION COMPLEX

CAPABILITIES:

Administration Complex provides facilities for command/administration and camp support personnel facilities to conduct administration functions to include mission planning, and command and control.

DESCRIPTION:

Administration Complex provides four 32 FT energy efficient environmentally controlled Airbeam tents powered by one 60kW AMMPS generator. Tents are capable of being deployed alone or complexed together depending upon mission requirements.

Administration Complex Components

- TRICONS: 6 each, Rev A
- 32 FT Airbeam environmentally controlled tent (4 each)
- MEP1070 Generator (1 each)
- Power distribution equipment
- Tables/chairs

Administration Complex Add-On Equipment

- Cold Weather Equipment ADM (Provides freeze protection down to -15F) NSN: 5419-01-591-0190 (T), 5419-01-591-0189 (G)

Administration Complex Dependencies

- Fuel

Transportable:

- Land/Sea/Air
- C-17 compatible
- Meets CSC/ISO requirements

Administration Complex Production Objectives

- War Reserve/Operational Project Stock
- AAO: 59

Administration Complex NSNs:

5419-01-581-0855 (T)

5419-01-581-0857 (G)

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MORALE, WELFARE AND RECREATION COMPLEX (MWR)

CAPABILITIES:

Morale, Welfare and Recreational Complex provides equipment and facilities for MWR support/activities to the Force Provider module. Capabilities include physical fitness equipment, athletic equipment, equipment to support reading material storage and distribution, games and audio/visual equipment.

DESCRIPTION:

Morale, Welfare and Recreational Complex provides four 32 FT energy efficient environmentally controlled Airbeam tents powered by one 60kW AMMPS generator. Tents are complexed together to provide a stand-alone facility for MWR requirements.

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Morale, Welfare and Recreational Complex Components

- TRICONS: 9 each, Rev A
- 32 FT Airbeam energy efficient environmentally controlled tent (4 each)
- MEP1070 Generator (1 each)
- Power distribution equipment
- Tables/chairs
- Sports Equipment
- Physical Fitness Equipment
- Audio/Visual Equipment

Morale, Welfare and Recreational Complex Add-On Equipment

- Cold Weather Equipment ADM (Provides freeze protection down to -15F) NSN: 5419-01-591-0186 (T), 5419-01-591-0185 (G)

Morale, Welfare and Recreational Complex Dependencies

- Fuel

Transportable:

- Land/Sea/Air
- C-17 compatible
- Meets CSC/ISO requirements

Morale, Welfare and Recreational Complex Production Objectives

- War Reserve/Operational Project Stock
- AAO: 59

Morale, Welfare and Recreational Complex NSNs:

5419-01-581-0858 (T)

5419-01-581-0859 (G)



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QUALITY OF LIFE EQUIPMENT (QOL)

CAPABILITIES:

Quality of Life Equipment provides 14 additional climate controlled billeting tents to increase the square foot of living space in order to meet Senior Warfighter Forum (SWarF) deployment guidelines of 50 SQFT per soldier after 45 days of operation.

DESCRIPTION:

The Quality of Life Equipment provide fourteen (14) each environmentally controlled Airbeam TEMPER billeting tents with solar shades, thermo liners, lights, TEMPER power distribution boxes and convenience outlets and two (2) each MEP 1070 60 kW AMMPS generators with power cable assemblies and distribution boxes. Bed down capability is provided by the existing Expeditionary Force Provider module by relocating bunk beds.

Quality of Life Equipment Components

- REV B: TRICONS: 10 each
- 32 FT Airbeam energy efficient environmentally controlled billeting tents (14 each)
- Generator sets (MEP 1070) (2 each)
- Power distribution equipment

Quality of Life Equipment Add-On Equipment

- Cold Weather Equipment QOL (Provides freeze protection down to -15F) NSN: 5419-01-660-6958 (T), 5419-01-660-6955 (G)

Quality of Life Equipment Dependencies

- Fuel

Transportable:

- Land/Sea/Air
- C-17 compatible
- Meets CSC/ISO requirements

Quality of Life Equipment Production Objectives

- War Reserve/Operational Project Stock
- AAO: 236

Quality of Life Equipment NSNs:

4519-01-660-8857 (T)
5419-01-660-8854(G)

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ELECTRIC KITCHEN FACILITY (EKF)

CAPABILITIES:

The EKF is housed in two 3:1 ISO lightweight hard wall expandable containers. The EKF has a ventilation system which exhausts heat and steam during operation. The EKF also provides for a standard ECU hook-up to moderate the internal temperature of the facility. The EKF has a source water and waste water storage capacity of 3K gallons each. The power requirement for the facility is 3 each 208V, 3-phase, 60kW generators. The internal meal preparation equipment is all electric state of the art Commercial off the Shelf food service equipment.

Capable of serving 600 meals (A rations) three times daily.

Includes Cooks/Storage tent, and Four (4) each TRICON Refrigerated Containers for cold food storage.

DESCRIPTION:

The EKF has a compact, user friendly, efficient workflow design with all kitchen equipment integrated and secured within the containers during transport. The facility easily interfaces to any base camp or operates as a standalone system. The EKF may be transported by land, air, and sea.

Utilized where multiple Expeditionary Force Provider modules are co-located to increase food preparation options and efficiency of service

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Electric Kitchen Facility Components

- Rev B: TRICONS: 5 each
- 20 FT ISO Containers: 2 each (Kitchen Module, Food Prep/Sanitation Module)
- 4 each TRICON Refrigerated Container Systems (TRCS)
- 20 FT Rigid kitchen module
- 20 FT Rigid food preparation/sanitation module
- 21 FT Airbeam food service tent
- 96 FT Airbeam environmentally controlled tent for dining services
- 32 FT Airbeam environmentally controlled tent for Cooks billeting and dry food storage space
- All electric kitchen appliances and food service equipment

Electric Kitchen Facility Add-On Equipment

- Cold Weather Equipment EKF (provides freeze protection down to -15F) NSN: 5419-01-592-0031 (T), 5419-01-592-9269 (G)

Electric Kitchen Facility Dependencies

- Power: Dependent on host site for operational power, may be powered by three 60kW generator
- Food
- Water

Transportable:

- Land/Sea/Air
- C-17 compatible
- Meets CSC/ISO requirements

Electric Kitchen Facility Production Objectives

- War Reserve/Operational Project Stock
- AAO: 30

Electric Kitchen Facility NSNs:

5419-01-580-7056 (T)

5419-01-580-7055(G)



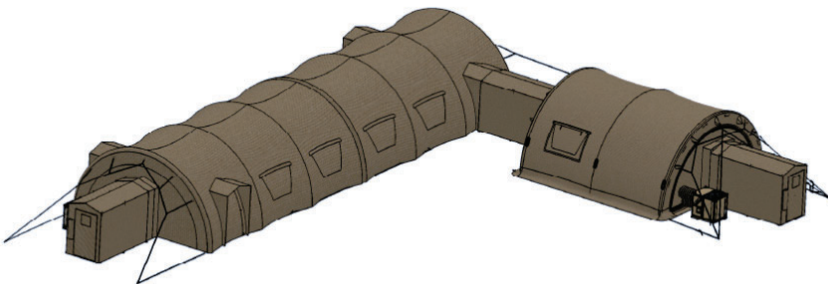
CONTAINERIZED CHAPEL COMPLEX (CCC)

CAPABILITIES:

The Containerized Chapel Complex provides the capability for free religious expression for all soldiers, authorized civilians and contractors that are deployed for long durations. The CCC will provide the capability to enhance quality religious support and improve the quality of life for personnel deployed to support operations in austere environments. The system provides for the administration of religious needs for Catholic, Jewish, Muslim, Protestant and other faith groups. The CCC interfaces with the FPE LSM power grid.

DESCRIPTION:

A modular tent based chaplaincy complex designed to provide faith based support for the major religious groups represented in the U.S. Army. The CCC is capable to fully support deployed soldiers in austere environments as an add-on package to the Force Provider Module. The Complex consists of an environmentally controlled 21 ft x 64 ft Airbeam TEMPER worship support tent with a variety of religious ceremonial support items (bibles, scriptures, alters, candles, prayer mats, etc), and an environmentally controlled chaplain Air beam TEMPER billeting/administration tent for the chaplain and staff.



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Containerized Chapel Complex Components

- TRICONS: 4 each, Rev A
- 64 ft Airbeam environmentally controlled tent for religious services
- 32 ft Airbeam environmentally controlled tent for Chaplain billeting and meeting space
- Chaplaincy equipment for Christian, Catholic, Jewish and Muslim faith based support services
- Containerized Chapel Complex Add-On Equipment
- Cold Weather Equipment CCC (Provides freeze protection down to -15F) NSN: 5419-01-592-9187 (T), 5419-01-592-9184 (G)

Containerized Chapel Complex Dependencies

- Power: Dependent on host site for operational power, may be powered by one 60kW generator

Transportable:

- Land/Sea/Air
- C-17 compatible
- Meets CSC/ISO requirements

Containerized Chapel Complex Production Objectives

- War Reserve/Operational Project Stock
- AAO: 45

Containerized Chapel Complex NSNs:

9925-01-592-9180 (T)
9925-01-592-9167(G)



PRIME POWER EQUIPMENT

CAPABILITIES:

Provide step-down transformers from Prime Power Battalion 3MW, 4260V (medium volt) generators to the Expeditionary Force Provider power grid.

DESCRIPTION:

Prime Power Connection Kits provide the capability to power Force Provider on the 249th Engineer Battalion (Prime Power) centralized power plants. The kits provide 150kV, 4160V delta step-down transformers and 2/0 cabling to allow distribution of power to the Force Provider module's electrical distribution system.

- Transformers replace the organic Force Provider 60kW generators on 1:1 ration.
- Cables connect the Prime Power Battalion 3MW, 4260V (medium volt) generators to the transformers in a continuous loop.
- Transformer are connected to the Force Provider Power Distribution Boxes to provide power throughout the base camp
- Rev B PPKs are configured to accommodate the Expeditionary Force Provider configuration.
- Designed to supports multiple (up to four) co-located Expeditionary Force Provider modules per kit



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Prime Power Connection Kits Components

- Rev B: TRICONS: 16 each
- 150kV, 4160V delta step-down transformers
- 2/0 cabling for connectivity between medium power generators and transformers

Prime Power Connection Kits Dependencies

- 249th Engineer Battalion Prime Power Battalion 3MW, 4260V (medium volt) generators and personnel support to operate system

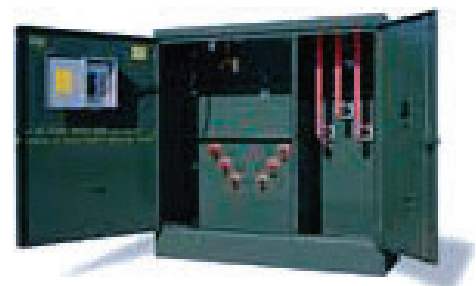
Prime Power Connection Kits Objectives

- War Reserve/Operational Project Stock
- AAO: 59

Prime Power Connection Kits NSNs:

5419-01-579-5460 (T)

5419-01-579-5458(G)





SITE PREPARATION EQUIPMENT

CAPABILITIES:

Compact Skid Steer loaders primarily used for site preparation for base camp deployment. Supports material loading applications, filling, elevating, transportation and discharging of material on site. Primary capability is to provide for site preparation and maintenance of the FPE LSM deployment area and to provide fork lift capability to move and place large module subsystems and components.

DESCRIPTION:

Heavy Type II Skid Steer Loader M400T, (tracked model) or Light Type III Skid Steer Loader M400W, (track over wheel model) with support equipment package. Equipment is transported in two 10 ft BICON containers. Work tools are easily interchanged using quick coupler front end.



INFORMATION CONTACT:

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Site Preparation Equipment Components

- BICONS: 2 each, Rev A
- Heavy Type II Skid Steer Loader M400T, (3805-01-552-4485) or Light Type III Skid Steer Loader M400W (3805-01-552-4487)
- Multi-purpose bucket utilized to perform performs excavating, digging, lifting/loading, stripping, leveling, and stockpiling operations as well as removing obstacles such as large stones, tree limbs, etc
- Pallet Forks utilized to perform various lading/unloading operations
- Auger utilized to dig 12 in or 24 inch diameter holes up to 96 in deep
- Hammer utilized to easily break up concrete, rocks, asphalt as well as drive stakes and pickets
- Equipped with NATO slave receptacle

Site Preparation Equipment Dependencies

- Fuel

Site Preparation Equipment Production Objectives

- War Reserve/Operational Project Stock
- AAO: 218

Site Preparation Equipment NSNs:

9925-01-613-2720 (T)

9925-01-613-2714 (G)



WASTE WATER EVACUATION TANK/TRAILER

CAPABILITIES:

Transports 1000 Gallons of Black or Gray waste water over rough terrain or improved roads

Maximum speed over rough terrain is 20 MPH

Maximum speed over improved roadways is 45 MPH

Operates for 8 hours on one tank of fuel.

DESCRIPTION:

1000 Gallon Waste Water Evacuation Tank/Trailer designed to remove waste water from base camp location for processing at off site locations. Self-contained system with integral diesel powered evacuation pump capable of operation for 8 hours on one tank of fuel. Meets DOT Specification for transportation over rough terrain or improved roads.



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Waste Water Evacuation Tank/Trailer

- Fully equipped hazardous waste tank trailer meeting DOT Specification for transport over public roads
- Self-contained system with integral power source (JP8/13 gallons)
- Designed for operation in temperatures above 32 F
- Designed for over-the-road and rough terrain mobility
- Land, sea, air and rail transportable
- Transports 1000 Gallons of Black or Gray waste water over rough terrain or improved roads
- Maximum speed over rough terrain is 20 MPH
- Maximum speed over improved roadways is 45 MPH
- Operates for 8 hours on one tank of fuel.

Prime Power Connection Kits Dependencies

- Fuel
- Prime mover

Waste Water Evacuation Tank/ Trailer Production Objectives

- War Reserve/Operational Project Stock
- AAO: 59

Waste Water Evacuation Tank/Trailer NSN:

4630-01-513-8155



FORCE PROVIDER WATER REUSE SYSTEM (WRS)

CAPABILITIES:

- Purifies shower waste water for reutilization with showers
 - Recycles ~75% of the gray shower water produced
 - 12,000 gallons per day capacity (40 GPM peak flow)
 - Produces shower re-use quality water
- Set up: 30 minute with 1 personnel
- System operational temperatures: -15°F to 120°F
- Unattended automatic operation after startup
 - Self-monitoring Programmable Logic Control (PLC) with user friendly touch screen LCD
 - Displays controls, flows, pressures, set-up/operating instructions and troubleshooting
- System includes:
 - Automated chlorine injection
 - Self cleaning 15-micron pre-filter
 - Auto back-wash 0.2-micron micro-filters to remove suspended solids and micro-organisms
 - Reverse osmosis membranes to remove dissolved organic materials, bacteria, virus and soap
 - Activated carbon filtration
 - Ultraviolet light disinfection
 - Continuous water quality monitor through conductivity sensors

• Power

requirements:

100A, 208V, 3PH (×1)

• Shipping Size:

TRICON, 8'H×8'W×6.5'L

• Weight: 7110 lbs



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FORCE PROVIDER EXPEDITIONARY TRICON KITCHEN SYSTEM (ETKS) CAPABILITIES:

- Provides 3 meals per day for a minimum of 150 personnel UGRAs and limited "A" rations
 - Commercial off the shelf (COTS) equipment
 - ◇ Refrigerator
 - ◇ Steam kettle
 - ◇ Convection Oven
 - ◇ Cook-N-Hold Oven
 - ◇ Steam-N-Hold Oven
 - ◇ Griddle
 - On-board Sanitation System with grease separator
 - Food Service Window
 - Operated by 2 personnel
- Environmentally controlled (cooling/heating)
- TRICON folds out to 18 feet in width
- Set-up: 15 min, 2 personnel
- System Includes:
 - Fresh and black water storage
 - Hoses
 - Power cables
- Interfaces with TEMPER Tent for dining facility
- Interfaces to any base camp operation
- Able to operate as a standalone system
 - Can support small expeditionary units in austere environment



- **Power requirements:**
100A, 208V, 3PH (×2)
- **Shipping Size:**
TRICON, 8'H×8'W×6.5'L
- **Weight:** 7160 lbs



TRANSPORTABLE:

- Land/Rail/Sea/Air
- Meets CSC/ISO requirements
 - Highly mobile
 - Weighs less than 10K
 - Forkliftable

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FORCE PROVIDER EXPEDITIONARY LATRINE SYSTEM (ELS)

CAPABILITIES:

Provides capability for latrine services for 75 personnel, with individual privacy and increased sanitation.

- Low water use toilets w/privacy stalls (×4)
- Urinal (×2)
- Hand wash sinks (×2)
- Accommodates male and female personnel
- Environmentally controlled (cooling/heating)
- TRICON folds out to 18 feet in width
- Set-up: 15 min, 2 personnel
- System includes:
 - Fresh and black water storage (3K gallon each)
 - Hoses
 - Power cables
- Interfaces to any base camp operation
- Able to operate as a standalone system
- Can support small expeditionary units in austere environment
- External pumps for easy maintenance

TRANSPORTABLE:

- Land/Rail/Sea/Air
- Meets CSC/ISO requirements
 - Highly mobile
 - Weighs less than 10K
 - Forkliftable

INFORMATION CONTACT:

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- **Power Requirement:**
60A (×1)
- **Shipping Size:**
TRICON, 8'H × 8'W × 6.5'L
- **Weight:** 6420 lbs





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FORCE PROVIDER EXPEDITIONARY SHOWER SYSTEM (ESS)

CAPABILITIES:

- Provides capability for shower services for 24 personnel/hour (10 minute shower), with individual privacy and increased sanitation

- Individual stalls (x4)
- Individual water temperature control
- Hand wash sinks (x4)

- Accommodates male and female personnel

- Environmentally controlled (cooling/heating)

- TRICON folds out to 18 feet in width

- Set-up: 15 min, 2 personnel

- System Includes:

- Fresh and black water storage (3K gallons each)
- Hoses
- Power cables

- Interfaces with TEMPER Tent for additional changing space

- Interfaces to any base camp operation

- Able to operate as a standalone system

- Can support small expeditionary units in austere environment

- External pump for easy maintenance

TRANSPORTABLE:

- Land/Rail/Sea/Air

- Meets CSC/ISO requirements

- Highly mobile
- Weighs less than 10K
- Forkliftable

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- **Power requirements:**

60A, 208V, 3PH (x1)

- **Shipping Size:**

TRICON, 8'H x 8'W x 6.5'L

- **Weight:** 6330 lbs





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FORCE PROVIDER EXPEDITIONARY CONTAINERIZED BATCH LAUNDRY SYSTEM (CBLs)

CAPABILITIES:

- Provides capability to wash and dry 100 lbs of cloths per hour, in a clean and safe environment
 - 50 lbs commercial washer/extractor
 - 75 lbs commercial dryer
- Environmentally controlled (cooling/heating)
- TRICON folds out to 14 feet in width
- Set-up: 15 min, 2 personnel
- System Includes:
 - Fresh and grey water storage (two 3,000 gallon blivets)
 - Hoses
 - Power cables
- Interfaces to any base camp operation
- Able to operate as a standalone system
 - Can support small expeditionary units in austere environment

TRANSPORTABLE:

- Land/Rail/Sea/Air
- Meets CSC/ISO requirements
 - Highly mobile
 - Weighs less than 10K
 - Forkliftable

INFORMATION CONTACT:

**Combat Field Service Equipment
Team**

DSN 256-4486/(508) 233-4486

- **Power Requirement:**
 - 208 VAC 3 Phase Class L Connector
 - 100A (×1), 60A (×1)
 - Max Draw 40KW
 - 15 KW average
- **Shipping Size:** TRICON, 8'H × 8'W × 6.5'L
- **Weight:** 6930 lbs





PM FS²

UNITED STATES ARMY
PRODUCT MANAGER
FORCE SUSTAINMENT SYSTEMS



FORCE PROVIDER EXPEDITIONARY SELF-SERVICE LAUNDRY SYSTEM (ESSLS)

CAPABILITIES:

Provides capability for laundry service to 150 personnel

- 4 – High efficiency 21 lbs. front loading washing machines
- 4 – 18 lbs. light commercial dryers
- Onboard waste and supply pumps

Environmentally controlled (cooling/heating)

TRICON folds out to 18 feet in width

Setup: 45 min, 5 personnel

System includes:

- Fresh and grey water storage
- Hoses
- Power Cables

Interfaces to any base camp operation

Capable of operating as standalone Unit

Can support small expeditionary forces in austere environments

TRANSPORTABLE:

- Land/Rail/Sea/Air
- Meets CSC/ISO requirements
 - Highly mobile
 - Weighs less than 10K lbs.
 - Forkliftable

INFORMATION CONTACT:

Combat Field Service Equipment Team
DSN 256-4486/(508) 233-4486

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- **Power requirements:**
100A, 208V, 3PH
Class L Connector (×1)
8 KW Average
- **Shipping Size:** TRICON,
8'H × 8'W × 6.5'L
- **Weight:** 6350 lbs

