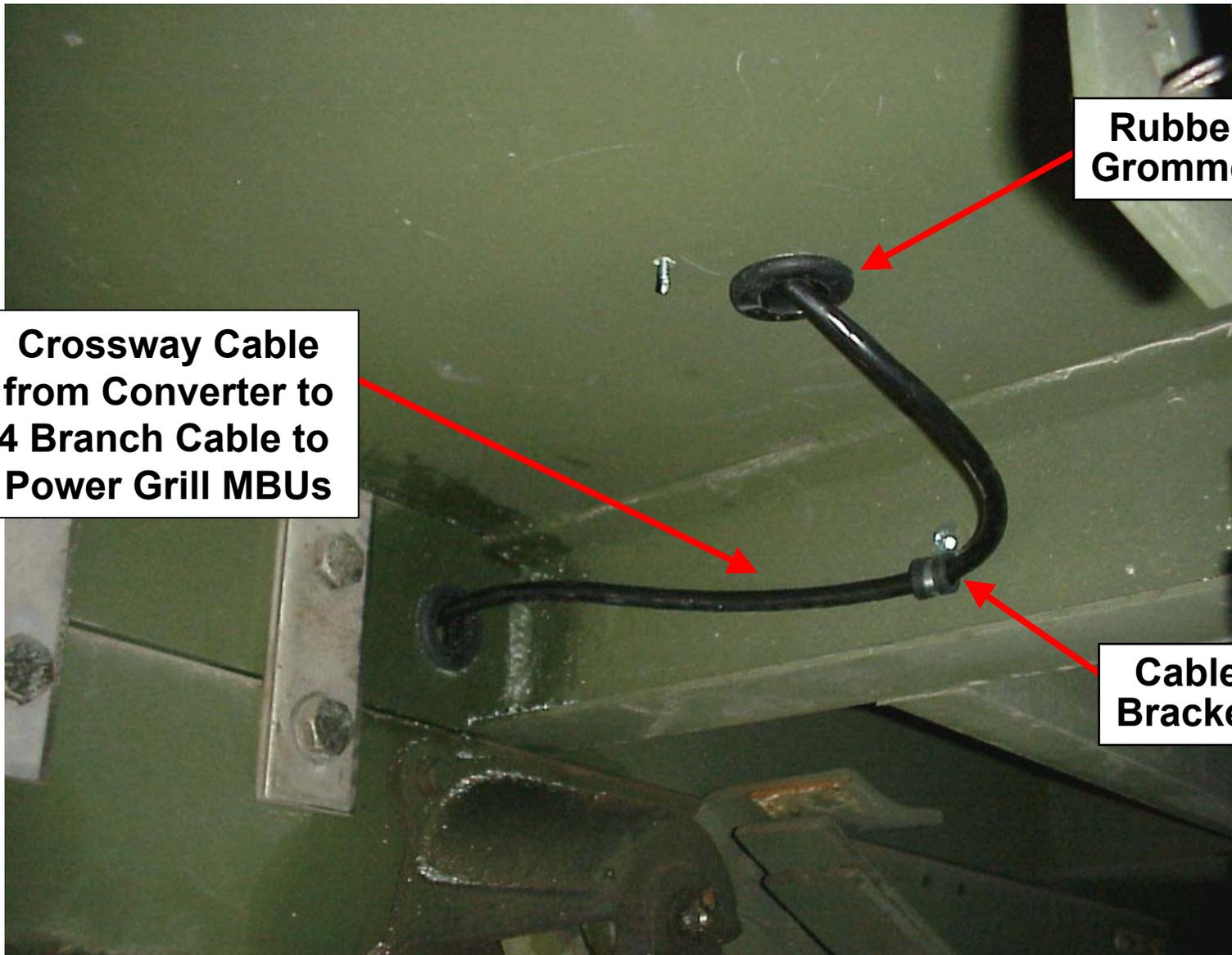


Modern Burner Unit (MBU)

PM - Soldier Support

Power Cable Provisions



Rubber Grommet

Crossway Cable from Converter to 4 Branch Cable to Power Grill MBUs

Cable Bracket



Modern Burner Unit (MBU)

PM - Soldier Support

New Equipment Training

- **Operator training MBU**
 - MOS 92G
 - 1 day
 - 3 students per unit
- **Operator training 2kW generator**
 - MOS 92G & 63J
 - 4 hours
- **Maintainer training 2kW generator**
 - MOS 63B & 52D
 - 2 days (1 unit level & 1 DS level)
- **MBU and 2kW classes taught simultaneously**
- **20 students per class**
- **Train-the-trainer concept**



Modern Burner Unit (MBU)

PM - Soldier Support

Equipment Receipt and Hand Off

- **MBUs shipped directly from vendor to designated DODAAC/ship to for hand-off**
- **2kW generators shipped from depot to hand off site**
- **Hand-off consists of inventory and transfer of accountability to designated PBO**

Modern Burner Unit (MBU)

PM - Soldier Support

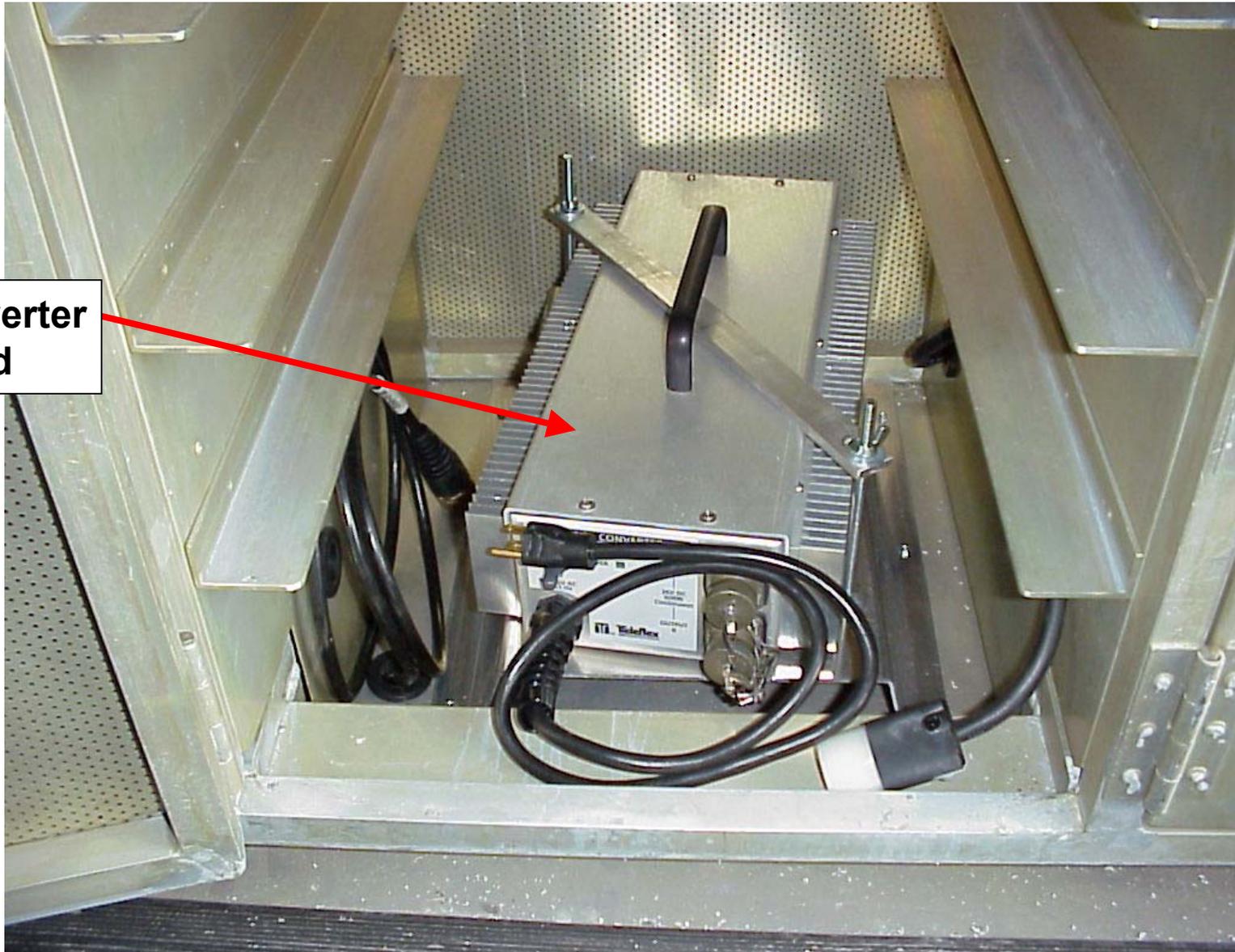
Mission Support Requirements for NET/TPF

- Receiving facility with fork lift and/or pallet jacks
- Storage area suitable for handoff (i.e. security, latrines, drinking water, telephone)
- Two NET classrooms with overhead projectors and video
- MKT opened and ready for NET demonstrations
- JP8 or diesel fuel for MBU and generators
- Security and/or locked area for equipment storage

Modern Burner Unit (MBU)

PM - Soldier Support

Power Converter (Installed by Unit)



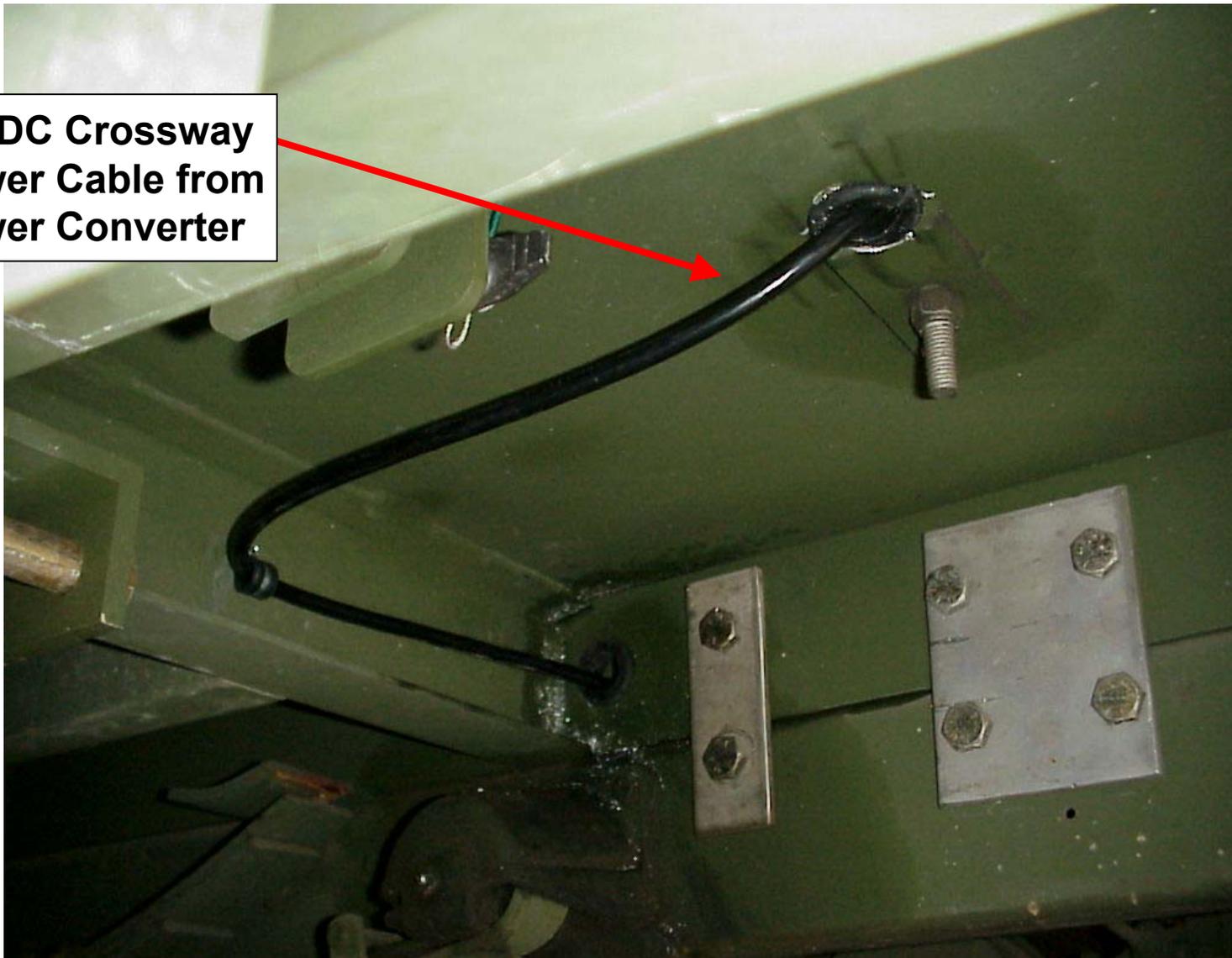
Power Converter
Mounted

Modern Burner Unit (MBU)

PM - Soldier Support

Power Cable (Installed by Unit)

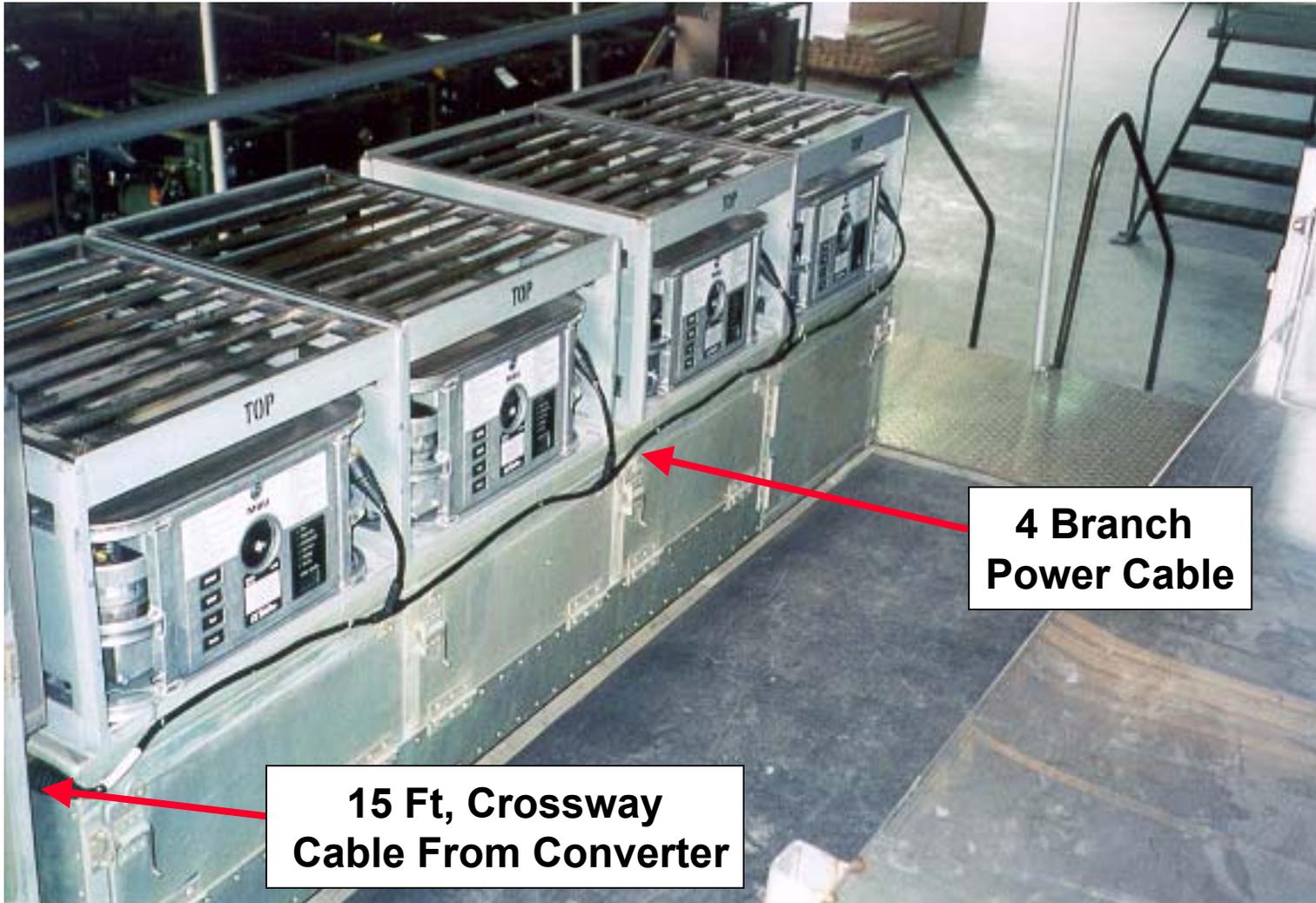
24VDC Crossway
Power Cable from
Power Converter



Modern Burner Unit (MBU)

PM - Soldier Support

Power Cable Installation



**4 Branch
Power Cable**

**15 Ft, Crossway
Cable From Converter**

Modern Burner Unit (MBU)

PM - Soldier Support

Power Cable Installation



2-Branch
Power Cable

Modern Burner Unit (MBU)

PM - Soldier Support

M59 Operation



**Bottom
Position
Only**



Modern Burner Unit (MBU)

PM - Soldier Support

Field Exercise - Fort Hood



Modern Burner Unit (MBU)

PM - Soldier Support

Field Exercise - Fort Hood



Modern Burner Unit (MBU)

PM - Soldier Support

Field Exercise - Fort Hood



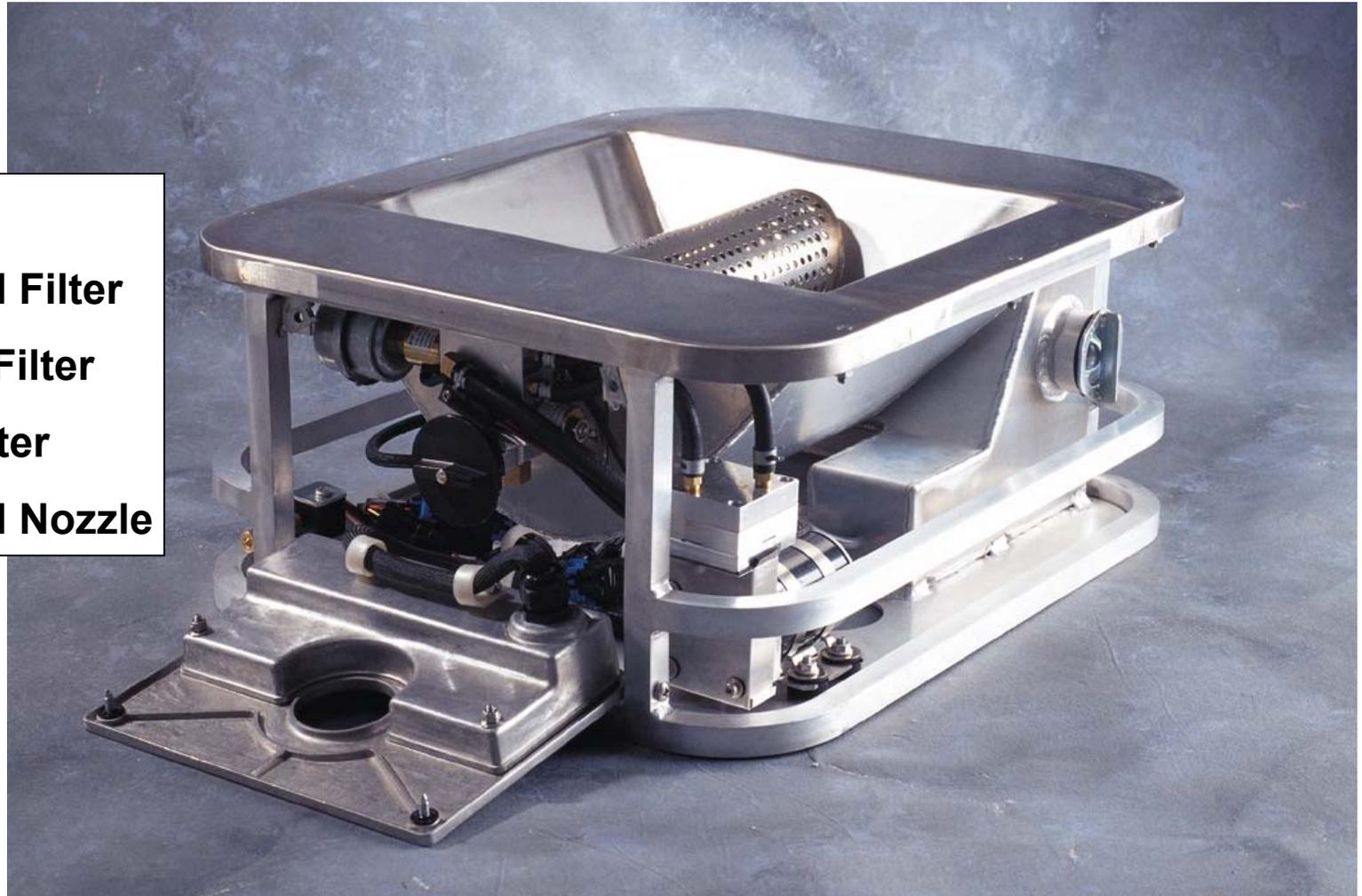
Cooking Rack and Stock Pot Cradle

Modern Burner Unit (MBU)

PM - Soldier Support

Maintaining the MBU

- **Cleaning**
- **Replace Fuel Filter**
- **Replace Air Filter**
- **Replace Igniter**
- **Replace Fuel Nozzle**





Modern Burner Unit (MBU)

PM - Soldier Support

Product Improvements

- **Reduced noise generation**
 - Improve communication
 - Reduce fatigue
- **Increased firing rate range**
 - Current low setting requires close attention for some products
 - Current high is marginal for use in the new Advanced FSC
 - Low rate will be decrease while highest rate will be increased
- **Integration into production line planned in FY02**
- **Potential field retrofit**
 - May require calibration procedure and/or replacement of fuel delivery block
 - Possible “Modernization Through Spares”
- **Enhanced cold weather performance**
 - Operate to –60F (currently –25F)
 - Cold weather kit for applicable units
 - FY02 engineering effort

Kitchen Company Level Field Feeding (KCLFF)

PM - Soldier Support

System Description



MISSION:

Provide Field Feeding Support to Company Size Units That Function Without Field Kitchens or Operate From Dispersed Locations

CHARACTERISTICS

- Assemblage of equipment for heating & serving up to 200 hot meals in a 3 hour period
- KCLFF-E adds
 - Range outfit
 - Griddle assembly
 - Ice chest
 - Accessory outfit
 - Additional insulated food containers

SPECIAL FEATURES

- Initially fielded with HMMWV to maneuver units as part of the “Army Field Feeding System-Future”

CAPABILITY IMPROVEMENTS

- Added capability
 - Prepare limited A rations
 - Up to 150 persons
- MBU upgrade
- Transportable by HMMWV, truck, or trailer

CONTRACT ISSUES

- Funding resumes in FY03
- Contractor TBD

Kitchen Company Level Field Feeding (KCLFF)

PM - Soldier Support

Key Issues/Status

- **2,671 KCLFFs required**
- **1,247 fielded through FY00**
- **Distribution of assets at Sierra Army Depot (SIAD) held up by Second Destination Transportation (SDT) and Supply Depot Operations (SDO) funding shortfalls**
- **249 KCLFF-Es at SIAD**
 - **Awaiting HQDA distribution list**
 - **Awaiting SDO & SDT funding**
 - **To be fielded with MBUs**
- **934 upgrade kits at SIAD**
 - **To be paired w/ fielded KCLFFs**
- **Basis of Issue Plan to be revised to document HMMWV where applicable**



Mobile Kitchen Trailer Evolution

PM - Soldier Support

MISSION: The Army's primary field kitchen, feeds 250-300

Current



- Fleet average ~15 yrs old
- Majority 15-25 years old
- Cold weather deficiencies
- Being upgraded with MBUs and electrical power

Improved



- Kit applied to existing MKTs
- Replacement & additional new components
- Unit funded requisitions

Recapitalization



- Extend service life
- Bring older MKTs to current standard configuration
- Apply MKTI upgrade

1975

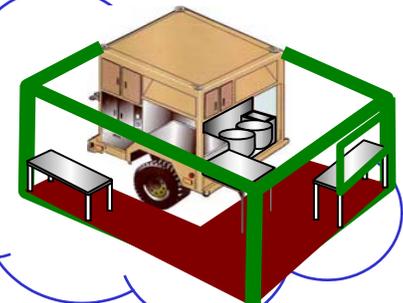
2001

2004

2010

Replacement

BNDS



Mobile Kitchen Trailer - Improvement (MKT-I)

PM - Soldier Support

System Description

MISSION:

Upgrade Existing MKTs With New Components That Improve Performance and Address Operational Deficiencies



CHARACTERISTICS

- Commercial insulated plastic ice chest
- Fluorescent light set
- Ventilation fan and ducting
- Vinyl coated polyester fabric
- Commercial multi-use can opener
- New griddle top with higher lip to contain food & grease

SPECIAL FEATURES

- Takes advantage of electrical power provided with MBU/2KW generator fielding
- MKT MWO electrical mods for MBU facilitate MKT-I installation

CAPABILITY IMPROVEMENTS

- Improves safety and comfort
- Improves operational effectiveness
- Improves cold weather capability
 - Floor mats, fabric ground skirt, floor level heat vent
- Supports single battlefield fuel initiative by eliminating gasoline lanterns

CONTRACT INFORMATION

- Contract for kits and components awarded Sep 00 to Penn Metal Fabricators