



Australian Government

Department of Education, Employment and Workplace Relations

PUADEFM301B Operate a mobile field laundry system

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

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This unit covers the competency required to supervise and operate a mobile field laundry system to launder clothing in a *field environment*.

This unit requires a team to load the system onto transport, site and erect the unit, connect *ancillary equipment* and utility supplies, conduct initial start-up procedures, operate the system, rectify operating faults, conduct routine maintenance and close the system down for *transportation* and storage.

Application of the Unit

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The application of this unit in the workplace - the environments, complexities and situations involved - will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

This text will be useful for the purposes of job descriptions, recruitment advice or job analysis; where possible, it will not be too job specific to allow other industries to import it into other Training Packages, where feasible.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite Unit/s Nil

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the Required Skills and Knowledge and/or the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Load the mobile field laundry system for transit	<p>1.1 <i>Equipment components</i> are aligned and positioned prior to lifting the container system to prevent damage to the laundry system</p> <p>1.2 <i>Attachments</i> are fitted correctly in accordance with <i>standard procedures</i></p> <p>1.3 All mounting points, locks and nuts are physically checked prior to placing any weight on the high lift jacks, in accordance with standard procedures</p> <p>1.4 Guides are effectively used to assist the driver when manoeuvring the vehicle under the laundry storage container, in accordance with standard procedures</p>
2. Site and erect the mobile field laundry system	<p>2.1 Laundry system is <i>sited</i> on ground that is hard standing, level and clear of debris to prevent fire risk, in accordance with standard procedures</p> <p>2.2 <i>Tentage</i> and associated shelters and containers are located and erected around the laundry system without hindering access or operation</p> <p>2.3 <i>Gas supply systems</i> are stored in accordance with standard procedures</p>
3. Conduct initial start up procedures	<p>3.1 Levelling is conducted correctly and at the correct speed to ensure the efficient discharge of waste water and to prevent malfunction, in accordance with standard procedures</p> <p>3.2 Laundry system is locked into position to ensure additional security to the container</p> <p>3.3 Water pressure is monitored in accordance with standard procedures</p> <p>3.4 <i>Blow down procedures</i> are implemented whenever pressure exceeds operating parameters</p>
4. Monitor mobile field laundry system	<p>4.1 Container is opened correctly with equipment components locked into position and monitored, in accordance with standard procedures</p> <p>4.2 <i>Accessories</i> are removed from the container, kept in close proximity and monitored, in accordance with standard procedures</p> <p>4.3 Hoses and associated connection components are fitted correctly and laid flat to ensure that waste water does not cause a back-up of water to the machine or pollution to the environment</p>

- 4.4 Electrical power is not connected until the laundry system is securely earthed in accordance with standard procedures
 - 4.5 *Utilities* are ***maintained and checked*** periodically to ensure efficient operation of the laundry system
 - 4.6 Wash cycles selected are appropriate to the program and temperature for the laundry requirement
 - 4.7 ***Remedial actions*** are undertaken during operational failures or faults, in a timely manner, to reduce damage to the equipment
 - 4.8 ***Cleaning*** and care of the machine is conducted and is appropriate to the machinery parts
5. **Conduct maintenance**
- 5.1 ***Daily procedures*** are conducted to ensure optimum operating efficiency
 - 5.2 Solutions to problems are implemented to enable the unit to remain operational
 - 5.3 Periodic inspections are conducted when the unit is in storage to ensure the unit remains in working condition while in storage
6. **Close down the mobile field laundry system**
- 6.1 Utility supplies are refilled (if applicable) after use to maintain operational readiness
 - 6.2 Accessories are drained, disconnected, then dried and folded prior to packaging, transportation and storage, in accordance with operating instructions

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit.

Required Skills

- clean the machines and filters
- change filters
- conduct blow down
- connect power and utilities supplies
- fit jacks
- implement shut down procedures
- light gas burners
- select and stop cycles
- store components
- use high lift jacks

Required Knowledge

- access requirements (for the unit and utilities)
- hard-standing ground requirements
- heating systems
- loads and temperature requirements for laundry products and wash programs
- mode of operation/employment
- mode of transportation
- pollution considerations
- power sources
- pressure monitoring requirements
- principles of fire prevention
- safety requirements
- shut down procedures
- technical data of the mobile field laundry system

Evidence Guide

EVIDENCE GUIDE

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Critical aspects for assessment and evidence required to demonstrate competency in this unit

Assessment must confirm the ability to work as part of a team in an operational environment, and to site and operate a laundry system with minimal impact on the environment.

Consistency in performance

Competency should be demonstrated over time, in a simulated field environment, to allow the individual to be assessed in a number of realistic scenarios to ensure consistency of performance.

Context of and specific resources for assessment

Context of assessment

Competency should be assessed in the workplace or in a simulated workplace environment.

Specific resources for assessment

Access to mobile field laundry system, complete with accessories and components; suitable vehicle or semi trailer for transportation; field training area; laundry for washing/drying; operator manuals; cleaning materials; camouflage nets and equipment; stationery; tentage; and gas, water and power supply.

Guidance information for assessment

Information that will assist or guide assessment will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

Range Statement

RANGE STATEMENT

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

Field environment may include

Disaster relief
Operational environment
Primitive conditions with little of no infrastructure
Providing humanitarian aid

Ancillary equipment may include

Accessories trolley
Circulating pumps and systems
Drying machines
Gas bottles
Gas burners
Generators
Heating systems
Stave tanks
Water tanks
Waste water bladders
Washing machines

Transportation may include

Air
Rail
Road
Sea

Equipment components may include

Allen screws and keys
Bolts, nuts and studs
Ground plates
Levelling jacks
Twist lock plates

Attachments may include

Accessories trolley
Air struts
Flues

RANGE STATEMENT

Standard procedures may include	<ul style="list-style-type: none"> Heater unit Panels Support arms Transit locking bars Australian Standards Defence instructions Doctrinal pamphlets Job guides, other publications Manufacturers' handbooks, industry specifications and technical instructions Occupational health and safety (OH&S) regulations Organisational policies and procedures Procedure manuals Relevant local government by-laws Relevant state or federal legislation Routine Orders Standing Operating Procedures Standing Orders Written and verbal orders
Siting requirements may include	<ul style="list-style-type: none"> Access to water, power and waste water disposal An area free of debris/fire hazard Consideration of the area around the container Ground that is hard-standing and as level as possible Noise resonance considerations Requirement for additional tentage or camouflage
Tentage may include	<ul style="list-style-type: none"> Braces Camouflage netting Support tent tubes Tarpaulins Tent poles and spikes Tents (ends and extensions) 20 x 30 or 14 x 14

RANGE STATEMENT**Gas supply systems may include**

Bottled gas
Gas burners
Hoses
Liquefied petroleum gas (LPG)
Propane
Regulators
Town gas supply

Blow down procedures may include

Bleeding water from hoses
Circulating water (hot or cold)
Isolating and closing valves
Monitoring operation
Opening drains and filters
Reducing water pressure
Releasing entrapped air
Replacing pumps on failure

Accessories may include

Adapter boxes, pins, valves and cables
Basins
Baskets
Bin packs
Brooms
Buckets
Capacitors
Chairs
Clamps
Earth stakes
Electronic controls
First aid kit
Gas cylinders, burners, regulators
Gloves
Hand cleaner
Hoses

RANGE STATEMENT

	Iron and ironing board
	Ladders
	Laundry soap
	Membranes
	Mops
	Power board
	Pumps
	Repair kits (cold and hot water)
	Rollers
	Spades
	Tool kits
	Torches
	V belts
	Wrenches
Utilities may include	Electricity
	Gas
	Water
Maintenance checks may include	Bas burners
	Cartridge filters isolation valves
	Checks for foreign bodies
	Cleaning and care
	Condition and security of fittings
	Discharge hoses
	Lighting (fluorescent tubes)
	Rings
	Utility supply
	Water pressure
	Weekly circulation of water through the system
Remedial actions may include	Blow down procedures
	Interruption of wash cycles/programs
	Checking hoses lay flat

RANGE STATEMENT

	Checks on burners and pilots
	Connection checks
	Crash shut down
	Operating pressure checks
Cleaning may include	Air drying
	Cleaning detergent boxes to remove residue
	Cleaning filters (for lint and fluff)
	Deodorising
	Monitoring rush spots
	Use of detergents (scouring powders, proprietary stainless steel cleaners)
	Use of warm water
	Wiping out of machines and drums
Daily procedures may include	Checking connections of hoses
	Cleaning after use
	Leaving doors ajar for drying
	Monitoring burner pilots
	Monitoring operating pressures
	Resetting utility supplies

Unit Sector(s)

Not applicable.

Corequisite Unit/s

Co-requisite Unit/s Nil