



Australian Government

PMAOPS213 Package product/material

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to PMAOPS213B Package product/material

Application

This unit of competency covers the skills and knowledge required to operate a packing line to package materials and products.

This unit of competency applies to packing lines for various products/materials, for example those that:

- dispense liquid products into drums or plastic containers
- pack filled containers into cartons
- stack filled containers onto pallets.

The unit of competency applies to operators who are required to identify job requirements, select and prepare the materials, set up the packing line and any ancillary equipment, and monitor the line during the packaging process.

This unit of competency applies to an individual who may work alone although under routine direction and supervision. They may work as part of a team or group and will work in liaison with other shift team members and the control room operator, as appropriate.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Operations

Unit Sector

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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| 1 | Prepare for work | 1.1 | Receive and give shift handover |
| | | 1.2 | Identify work requirements |

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| | | 1.3 | Identify and control hazards |
| | | 1.4 | Coordinate with appropriate personnel |
| | | 1.5 | Check for recent work undertaken on plant item |
| | | 1.6 | Note any outstanding/incomplete work |
| | | 1.7 | Check operational status of packaging equipment |
| 2 | Prepare packaging equipment and materials for packaging | 2.1 | Identify from documentation the type, quantity and quality of product to be packed |
| | | 2.2 | Identify the range of packaging materials and ancillaries and their specific functions |
| | | 2.3 | Ensure packaging materials are available in accordance with documentation |
| | | 2.4 | Select and prepare packaging materials according to compatibility with content, to procedures |
| | | 2.5 | Check packaging materials for correct labels/safety information |
| | | 2.6 | Select appropriate measuring equipment |
| | | 2.7 | Select and fit appropriate dispensing equipment |
| | | 2.8 | Check all parts of line for damage, contamination or blockage |
| | | 2.9 | Set up line for required quantity of product and labels to procedures |
| 3 | Operate packaging equipment in accordance with procedures | 3.1 | Fill package |
| | | 3.2 | Complete routine checks, logs and paperwork taking appropriate action on unexpected readings |
| 4 | Recognise and take action on abnormal | 4.1 | Monitor packaging equipment frequently and critically throughout shift using measured/indicated data and senses |

	situations in accordance with procedures	4.2	Identify impacts of any changes upstream and downstream
		4.3	Recognise situations which may require action
		4.4	Resolve routine problems
		4.5	Take actions on other abnormal situations to make safe and have the situation resolved
5	Isolate and de-isolate equipment	5.1	Complete any required pre-start checks
		5.2	Start up/shut down packaging equipment according to the plant type and duty in liaison with other personnel
		5.3	Isolate packaging equipment
		5.4	Make safe for required work
		5.5	Check packaging equipment is ready to be returned to service
		5.6	De-isolate and prepare packaging equipment for return to service

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Regulatory framework	The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used, and include one or more of the following: • legislative requirements, including work health and safety (WHS) • industry codes of practice and guidelines
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- environmental regulations and guidelines
- Australian and other standards
- licence and certification requirements

All operations to which this unit applies are subject to stringent health, safety and environment (HSE) requirements, which may be imposed through state/territory or federal legislation, and these must not be compromised at any time. Where there is an apparent conflict between performance criteria and HSE requirements, the HSE requirements take precedence.

Procedures Procedures are written, verbal, visual, computer-based or in some other form, and include one or more of the following:

- emergency procedures
- work instructions
- standard operating procedures (SOPs)
- safe work method statements (SWMS)
- formulas/recipes
- batch sheets
- temporary instructions
- any similar instructions provided for the smooth running of the plant

Hazards Hazards include one or more of the following:

- electricity
- gas
- gases and liquids under pressure
- structural hazards
- structural collapse
- equipment failures
- industrial (machinery, equipment and product)
- equipment or product mass
- noise, rotational equipment or vibration
- plant services (steam, condensate and cooling water)
- working at heights, in restricted or confined spaces, or in environments subjected to heat, noise, dusts or vapours
- flammability and explosivity
- hazardous products and materials
- unauthorised personnel
- sharp edges, protrusions or obstructions
- slippery surfaces, spills or leaks
- extreme weather

- other hazards that might arise

Routine problems

Routine problems must be resolved by applying known solutions.

Routine problems are predictable and include one or more of the following:

- damage to packaging line
- damage to packaging
- contamination
- blockages
- overfill/underfill

Known solutions are drawn from one or more of the following:

- procedures
- training
- remembered experience

Non-routine problems must be reported according to according to relevant procedures.

Operate

Operate is to monitor, adjust/change the plant item/unit/system to meet specifications, by one or more of the following:

- manually in the plant
- using local controller in the plant
- using the process control system in the control room

Equipment

Equipment will be selected as required from the following:

- packaging
- labelling
- lifting
- palletising
- storing
- measuring
- dispensing

Packaged products

Packaged products include one or more of the following:

- liquids (such as paint, detergents and chemicals)

- solids (powders and pellets)
- gases and liquified gases

Packaging Packaging includes one or more of the following:

- tins and cans
- drums
- bags and sacks
- semi-bulk (such as bulker boxes and pallets)
- gas cylinders or drums

Start up/shut down as required Start up/shut down as required includes the following:

- start up and shut down to/from normal operating conditions
- start up and shut down to/from isolated, cold or empty
- start up and shut down to/from other conditions/situations experienced on the plant

Action Action in accordance with procedures includes the following:

- determining problems needing action
- determining possible fault causes
- rectifying problem using appropriate solution within area of responsibility
- following through items initiated until final resolution has occurred
- reporting problems outside area of responsibility to designated person

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=9fc2cf53-e570-4e9f-ad6a-b228ffdb6875>