



Australian Government

Department of Education, Employment and Workplace Relations

PSPTRAN409 Pilot and escort oversized and-or over-mass vehicles

Release 1

PSPTRAN409 Pilot and escort oversized and-or over-mass vehicles

Modification History

Release	TP Version	Comments
1	PSP12V1	Primary release.

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to undertake pilot and escort duties in the movement of oversize and/or over-mass vehicles. Licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement.

Application of the Unit

This unit applies to individuals in road transport regulatory roles who are authorised to pilot and escort oversize and/or over-mass vehicles. Work is carried out in compliance with licence or permit requirements and state/territory regulations relating to piloting and escorting of oversize and/or over-mass vehicles.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements are the essential outcomes of the unit of competency.

Together, performance criteria specify the requirements for competent performance. Text in ***bold italics*** is explained in the Range Statement following.

Elements and Performance Criteria

1) ELEMENTS

2) PERFORMANCE CRITERIA

1 Prepare pilot and escort vehicles for operations

- 1.1 Maintenance needs of pilot and/or escort vehicles and associated equipment are identified from maintenance schedules or reports of faults.
- 1.2 **Minor maintenance** on vehicles is carried out in accordance with organisational procedures and to manufacturers specifications.
- 1.3 Pilot and/or escort vehicles and associated equipment are prepared for operations to manufacturers' specifications in accordance with organisational procedures and regulatory requirements.
- 1.4 Post-maintenance inspections and tests of pilot and/or escort vehicles and associated equipment are completed.
- 1.5 Identified faults, repairs and the outcomes of inspections, are recorded in accordance with organisational procedures and regulatory requirements.

2 Confirm pilot and escort requirements

- 2.1 Transport companies whose vehicles are scheduled for escort are consulted to confirm requirements for **pilot and/or escort operations**.
- 2.2 Authorisation/s for pilot and escort operators are confirmed as current.
- 2.3 Required permits are verified for completeness and accuracy and all vehicles and drivers are inspected to ensure compliance with permits in accordance with regulatory requirements.
- 2.4 The permit holder is advised of the results of the checks and any non-compliances are addressed before operations can begin.
- 2.5 **Convoys** are briefed and given instructions and directions on pilot or escort operations.

3 Conduct pilot and/or escort operation

- 3.1 Required vehicle positioning, traffic warning and directional signalling procedures are implemented to enable safe passage of the load.
- 3.2 Safety equipment is operated and roadside obstacles are positioned to ensure safe passage of the load in accordance with legislation, policy and procedures.
- 3.3 Precautions are taken to ensure that convoy personnel are aware of **road and other conditions** that may impact on load and vehicle security.
- 3.4 Contingency and emergency plans are prepared to enable **unexpected events** to be handled safely.
- 3.4 Required liaison is undertaken with **authorities** in accordance with organisational procedures.

4 Use pilot and escort communication

- 4.1 **Communications equipment** and resources for use in piloting and escorting duties are deployed/operated in accordance with organisational procedures, regulatory requirements and manufacturers specifications.

4.2 Messages are transmitted and received clearly and precisely with due observation of ethics and protocols required of users.

4.3 Backup communication strategies are established and **personnel** involved are informed of operating and coordination procedures.

4.4 Alternative communication strategies are used to communicate messages in response to communications failures and problems.

5 **Maintain records**

5.1 Journey documentation is completed in accordance with legislation, organisational policy and procedures.

5.2 Records on oversize and over-mass vehicle movements are maintained in accordance with legislative and organisational documentation requirements.

5.3 Damage and other incidents are reported clearly and legibly to authorities in accordance with legislation, policies and procedures.

3)

Required Skills and Knowledge

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

Skill requirements

- communication skills to:
 - receive and transmit messages during operations
 - use required communication protocols
 - relate to persons from diverse backgrounds
- teamwork skills to:
 - work collaboratively with others in the convoy when piloting or escorting vehicles
- problem solving skills to:
 - address problems arising during pilot or escort operations
 - implement contingency plans for unexpected events during pilot or escort operations
- planning and organising skills to:
 - prepare vehicles for escort
 - confirm pilot or escort requirements
 - keep to planned schedule of operations
- literacy skills to:
 - read and interpret permits, signs, procedures and manufacturers specifications
 - complete documentation and records relating to the movement of oversize and over mass vehicles
- self-management skills to:
 - interpret and follow instructions
 - minimise, control or eliminate hazards that may exist in pilot or escort operations
 - modify activities depending on operational contingencies, risk situations and environments
 - comply with regulatory requirements, organisational policies and procedures
- technical skills to:
 - operate pilot or escort vehicles
 - operate electronic communication equipment
 - operate communication signage and other communication resources required during pilot or escort operations

Knowledge requirements

- road rules, regulations, permit and licence requirements of state/territory roads and traffic authorities pertaining to the piloting and escorting of oversize and over-mass loads
- safe, low-risk driving strategies
- situational awareness
- pre-departure checks required for vehicles, communication equipment and procedures, and signage

- factors which may cause traffic delays and diversions and related action that can be taken by a driver
- pre-departure planning for:
 - traffic delays and diversions
 - related action that can be taken
 - fatigue management
- procedures to be followed in the event of a driving/piloting/escort emergency
- documentation requirements for piloting and escorting oversize and or over-mass vehicles

Evidence Guide

The Evidence Guide specifies the evidence required to demonstrate achievement in the unit of competency as a whole. It must be read in conjunction with the Unit descriptor, Performance Criteria, the Range Statement and the Assessment Guidelines for the Public Sector Training Package.

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

In addition to integrated demonstration of the elements and their related performance criteria, look for evidence that confirms consistency of performance in piloting or escorting oversize or over-mass vehicles.

This will include evidence of:

- actual or simulated piloting and escorting oversize and over-mass vehicles on at least three separate occasions or in three different situations/contexts
- communicating clearly and precisely using required protocols, including at least one instance where alternative strategies are required in response to communication failures and problems
- adhering to legal, ethical and organisational requirements relating to pilot and escort duties

Context of and specific resources for assessment

Assessment must ensure access to a real or simulated workplace environment that closely resembles normal work practice and replicates the range of conditions likely to be encountered while piloting or escorting oversize or over-mass vehicles, including coping with difficulties, irregularities and breakdowns in routine. Access is required to resources such as:

- applicable legislation, policies and procedures
- case studies and workplace scenarios to capture the range of requirements for situations likely to be encountered
- real or simulated operational situations where vehicles are piloted or escorted
- oversize and over-mass vehicles
- equipment and materials generally present in an operational environment
- personal protective equipment

Method of assessment

Assessment methods suitable for valid and reliable assessment of this unit of competency may include, but are not limited to, a combination of 2 or more of:

- case studies
- demonstration
- observation
- written or oral questions
- scenarios
- simulation or role plays

- authenticated evidence from the workplace and/or training courses

**Guidance information
for assessment**

Assessment methods should reflect workplace demands, such as literacy, and the needs of particular groups, such as:

- people with disabilities
- people from culturally and linguistically diverse backgrounds
- Aboriginal and Torres Strait Islander people
- women
- young people
- older people
- people in rural and remote locations

Range Statement

The Range Statement provides information about the context in which the unit of competency is carried out. The variables cater for differences between States and Territories and the Commonwealth, and between organisations and workplaces. They allow for different work requirements, work practices and knowledge. The Range Statement also provides a focus for assessment. It relates to the unit as a whole. Text in ***bold italics*** in the Performance Criteria is explained here.

<i>Minor maintenance</i> may include:	• replacing blown globes and fuses • repairs to rear tail-light lens • changing tyres
<i>Pilot and/or escort operations</i> may include:	• in daylight or at night • in typical weather conditions • on the open road • on private roads • in typical traffic conditions
<i>Convoys</i> may include:	• pilot vehicle • vehicle being escorted • escort vehicle/s • multiple vehicles under escort where this is permitted
<i>Road and other conditions</i> may include:	• wet or iced roads • oil on road • windy sections of road • foggy conditions • animals or objects on road • pedestrians crossing the road • parked vehicles on the road • flooded sections of road • road damage • road works • road closures • holiday traffic • traffic accidents • bridge/tunnel damage • emergency situations such as bushfires.
<i>Unexpected events</i> may include:	• road conditions • weather conditions • emergency situations • vehicle faults or incidents such as: • overheating • faulty steering mechanism

	• leaking fuel • faulty brakes • puncture • shredded tyre • fire in vehicle
Authorities may include:	• road traffic authorities • local government authorities • police • heavy vehicle regulators
Communications equipment may include:	• vehicle signage • light batters • high visibility gloves • directional display boards • radios • satellite phones • flashing lights • headlights • hazard lights
Personnel may include:	• drivers of oversize and/or over-mass vehicles • management/supervisors • base personnel • emergency services • regulatory authorities

Unit Sector(s)

Not applicable.

Competency field

Road Transport Compliance