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| <b>Title</b> | <b>Operate a tow tractor and tow an articulated baggage train</b> |                |          |
| <b>Level</b> | <b>3</b>  | <b>Credits</b> | <b>4</b> |

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| <b>Purpose</b> | People credited with this unit standard are able to: carry out safety checks before operating a tow tractor; drive a tow tractor and an articulated baggage train to a designated area in preparation for loading or unloading; and park and check an articulated baggage train. |
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| <b>Classification</b> | Aviation > Ramp Operations |
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| <b>Available grade</b> | Achieved |
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### Guidance Information

- 1 All tasks are to be carried out in accordance with enterprise procedures, the enterprise being the organisation carrying out the work. Enterprise procedures referred to in this unit standard are the applicable procedures found in the following: enterprise exposition; manufacturer publications; Government and local body legislation; airworthiness authority requirements.
- 2 Definitions  
*Articulated baggage train* is a generic term to describe a combination of a tow tractor and multiple connections of rolling stock. The terms cargo train or rake may be used in some situations.  
*Designated area* is an industry term used for permanent markings painted on the tarmac, which is a safe distance away from a moving or stationary aircraft.

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### Outcomes and performance criteria

#### Outcome 1

Carry out safety checks before operating a tow tractor.

#### Performance criteria

- 1.1 Visual safety checks for damage to vehicle and trailers are undertaken.  

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| Range | may include but is not limited to – body work, leaks under vehicle, tyres, lights. |
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- 1.2 Manual safety check is performed.
- Range may include but is not limited to – tyre pressure and condition, no rubbish around vehicle, handbrake on.
- 1.3 Condition of vehicle is physically checked.
- Range may include but is not limited to – brake operation, fluid levels, fuel/charge level, steering operation, gear lever operation, lights, horn, foreign object debris (FOD), beacon working where fitted.
- 1.4 Any faults and malfunctions to the vehicle and trailers are identified and reported.

## Outcome 2

Drive a tow tractor and an articulated baggage train to a designated area in preparation for loading or unloading.

### Performance criteria

- 2.1 Drive controls are identified and used.
- Range may include but is not limited to – start controls, drive control, release and/or apply park brake, lights, indicators.
- 2.2 Speed limits are adhered to in accordance with airport authority.
- Range may include but is not limited to – within 15 metres of an aircraft, within 15 metres of a fixed object or building, on the airport road network, general apron area.
- 2.3 Travel path and procedure for approaching loading or unloading area is followed.
- Range may include but is not limited to – restricted manoeuvring area, anti-collision lights, other equipment in area, other personnel in area, approach speed, remained clear of restricted areas.
- 2.4 Articulated baggage train is towed to required location.
- 2.5 Articulated baggage train is manoeuvred and parked at required location in preparation for loading or unloading.
- 2.6 Hazards associated with the towing of the articulated baggage train are identified and appropriate precautions are taken.
- 2.7 Instructions for the next operation are obtained and the articulated baggage train is towed to the required location.

**Outcome 3**

Park and check an articulated baggage train.

**Performance criteria**

- 3.1 At the completion of all scheduled haulage activities, articulated cargo/baggage train is manoeuvred and parked in a designated area.
- 3.2 Post-operational checks of articulated baggage train are conducted.
- 3.3 Any faults and malfunctions of the articulated baggage train are identified and reported.

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| <b>Planned review date</b> | 31 December 2027 |
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**Status information and last date for assessment for superseded versions**

| Process      | Version | Date            | Last Date for Assessment |
|--------------|---------|-----------------|--------------------------|
| Registration | 1       | 16 October 2009 | 31 December 2018         |
| Review       | 2       | 16 March 2017   | 31 December 2024         |
| Review       | 3       | 27 October 2022 | N/A                      |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0125 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact Ringa Hora Services Workforce Development Council [qualifications@ringahora.nz](mailto:qualifications@ringahora.nz) if you wish to suggest changes to the content of this unit standard.