

# **Guideline for Concessional Mass Limits**

**in Queensland**

**Form Number 21  
Version 3  
June 2011**

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## 1. Guideline Authority

- 1.1. This guideline is issued under the *Statutory Instruments Act 1992, Part 4, Division 3, Subdivision 2* in accordance with the provisions of the *Transport Operations (Road Use Management—Mass Dimensions and Loading) Regulation 2005, Part 6, Division 1 – Guidelines*.

## 2. Date of Commencement

- 2.1. This form commenced on 30 June 2011.

## 3. Application

- 3.1. The Guideline for Concessional Mass Limits in Queensland Form 21 Version 2 is now repealed.
- 3.2. This guideline is issued as an alternative means of complying with:
- (a) Transport Operations (Road Use Management—Mass, Dimensions and Loading) Regulation 2005, Schedule 1, section 1 - Mass limits for tyres, wheels and axles, subsections (3) and (6).
  - (b) Transport Operations (Road Use Management—Mass, Dimensions and Loading) Regulation 2005, Schedule 1, section 2 - Mass limits relating to axle spacing, subsection (1).
  - (c) Transport Operations (Road Use Management—Mass, Dimensions and Loading) Regulation 2005, Schedule 1, section 4 - Mass limits for combinations subsection (1).
  - (d) Guideline for Multi-combination Vehicles in Queensland Form Number 1, Section 6 - Mass Limits, subsection 6.3 – Axle spacing requirements, sub subsection 6.3.1.
- 3.3. This guideline is not an exemption from operating under the requirements of the *Transport Operations (Road Use Management—Mass, Dimensions and Loading) Regulation 2005* and/or any approval issued under the provisions of Part 6 – Guidelines and permits, except where a different mass limit is specified in this guideline.

## 4. Operational

### 4.1. Gross vehicle or combination mass limits

- 4.1.1 The GVM/GCM of a vehicle must not exceed the lesser of the following:
- (a) the sum of the axle and axle group mass limits shown in table 1 of this guideline; or
  - (b) the GVM/GCM specified by the vehicle manufacturer; or
  - (c) the GVM/GCM that applies to the relevant limits described in 4.1.2; or
  - (d) a mass not higher than 5% of the regulation mass limit of the vehicle.

- 4.1.2** The GVM/GCM of a vehicle is subject to a maximum increase of;
- (a) 1 tonne for a vehicle or vehicle combination with an allowable gross mass not exceeding 55 tonnes; or
  - (b) 2 tonnes for a vehicle combination with an allowable gross mass exceeding 55 tonnes but not exceeding 85 tonnes; or
  - (c) 3 tonnes for a vehicle combination with an allowable gross mass exceeding 85 tonnes but not exceeding 120 tonnes; or
  - (d) 4 tonnes for a vehicle combination with an allowable gross mass exceeding 120 tonnes.

**4.1.3** Vehicles/combinations meeting the conditions of the *Guideline for Increased Front Steer Axle Mass in Queensland - Form 20* may be eligible for up to 0.5 tonne increase to the GVM/GCM in additional to masses specified in 4.1.2.

#### **4.2. Axle and axle group mass limits**

**4.2.1** A vehicle must not exceed the axle or axle group mass limits specified in Table 1 of this guideline.

**4.2.2** A vehicle is subject to the same axle spacing/mass schedule formulas as if it would be operating under regulation masses. This also applies to regulation mass limits for B-doubles and Road Trains specified in the *Guideline for Multi-combination Vehicles in Queensland Form Number 1*.

#### **4.3. Route classification**

**4.3.1** A vehicle is only permitted to operate on routes applying to its particular class or configuration.

#### **4.4. Manufacturer's ratings**

**4.4.1** An eligible vehicle must not exceed the manufacturer's ratings for the vehicle or combination or any component, including the tyres, fitted to the vehicle or combination.

### **5. Accreditation**

#### **5.1. Mass management accreditation**

**5.1.1** Operators of a vehicle must be accredited under:

- (a) the Mass Management module of the National Heavy Vehicle Accreditation Scheme (NHVAS); or
- (b) another scheme approved or recognised by the Department of Transport and Main Roads.

**5.1.2** Operators must display an official numbered 'Accredited Operator' label affixed to the right hand side of the driver's cabin as proof of membership to the Mass Management module of the NHVAS.

## 6. Vehicle types

### 6.1. Ineligible vehicles

**6.1.1** The following vehicles or vehicle combinations are not eligible for additional mass under this guideline:

- (a) Pig trailers; or
- (b) Truck and Dog combinations operating under the *Guideline for Motor Truck and Dog Trailer Combinations up to 50 tonnes total mass in Queensland, Form Number 18*; or
- (c) A vehicle or vehicle combination operating under any permit, guideline or other exemption that allows axle or axle group masses greater than those specified in the regulation mass limits.

**6.1.2** The exception to 6.1.1(c) is a vehicle operating under the *Guideline for Increased Front Steer Axle Mass, Form Number 20*.

**Table 1 – Mass limits for single axles and axle groups**

Axle/axle group descriptions	Mass limits
<b>Single axles</b>	
• single steer .....	6.25t
• single steer complying with <i>Guideline for Increased Front Steer Axle Mass in Queensland, Form Number 20</i> .....	6.50t
• single steer on road trains fitted with single tyres, the section width of which, is at least 375mm .....	6.70t
• single axle fitted with dual tyres .....	9.50t
<b>Twin steer axle groups</b>	
• twin steer (non-load sharing).....	10.00t
• twin steer (load sharing) .....	12.00t
<b>Tandem axle groups</b>	
• fitted with single tyres on one axle and dual tyres on the other axle .....	13.50t
• fitted with single tyres, the section width of which is:—	
(a) less than 375mm .....	11.50t
(b) 375mm or more, but less than 450mm .....	13.80t
(c) 450mm or more .....	14.50t
• fitted with dual tyres .....	17.00t
<b>Tri-axle groups</b>	
• fitted with single tyres, with the section width that is less than 375mm on all or part of the axle group .....	15.50t
• fitted with single tyres, the section width of which, is at least 375mm and/or dual tyres, or a combination of these tyres .....	21.00t