

## Information for PBS Assessors and Certifiers | IPAC-11

Audience: Assessors and Certifiers

### Steer and Lift axles on PBS drawings

This IPAC provides advice to Assessors and Certifiers about steerable and retractable (lift) axles on Design Approval (DA) and as-built drawings for PBS Design and Vehicle Approval (VA) applications.

#### Background

To ensure consistency between PBS Assessors and Certifiers and to facilitate faster approval turnaround times, Assessors and Certifiers are required to adhere to the following drawing protocol for all DA and VA applications.

The requirements outlined in this document will commence from **Monday 10 May 2021**.

#### Steer and Lift axles

When a combination includes steerable and/or lift axles these are to be clearly shown on the DA or as-built drawing.

Additionally, when the combination includes steerable axles the *centre of an axle group* shifts as per ADR Definitions and Vehicle Categories. Please ensure trailer S-dimension and Rear Overhand (ROH) on the drawing are shown using the correct *centre of an axle group*, taking into account the steerable axle.

An extract from ADR Definitions and Vehicle Categories -  
*CENTRE OF AN AXLE GROUP* -

- (i) *in the case of a 'Single Axle' the centre of that 'Axle';*
- (ii) *in the case of a two 'Axle', 'Close Coupled Axle Group' or a 'Tandem Axle Group';*
  - (a) *where both 'Axles' are fitted with an equal number of tyres, a line located midway between those two 'Axles';*

*(b) where one 'Axle' is fitted with twice the number of tyres, a line located one third of the way from the 'Axle' fitted with the greater number of tyres, towards the 'Axle' fitted with the lesser number of tyres;*

- (iii) *in the case of a three 'Axle', 'Close Coupled Axle Group' or a 'Triaxle Axle Group', a line located midway between the extreme 'Axles' of the group.*

*Where any Rear 'Axle Group' includes a steerable 'Axle' in conjunction with one or more non-steerable 'Axles', only the non-steerable 'Axles' shall be considered in determining the 'Centre of an Axle Group'.*

#### Grandfathering rules

Previously approved applications that did not conform to these requirements will continue to be accepted.

However, for clarity and consistency purposes we strongly recommend that any previously approved drawings are brought to this standard.

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