

## PBS EXP 5 – 4-axle truck 6-axle dog

Approval under section 9(1)(b)(i) of the Heavy Vehicle (General) National Regulation – Non compliance

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The type of heavy vehicle:	4-axle truck 6-axle dog (Level 2)
The standard/s under the Standards and Vehicle Assessment Rules that a vehicle built to the design may not comply with:	<p>Frontal Swing (C8a)</p> <p>Standard: 700mm</p> <p>This vehicle design: 810 mm (exceedance of 110mm)</p>
Reasons why the non-compliance will not pose any additional risk to safety or infrastructure if the particular conditions are imposed and complied with.	<p>The Regulator has undertaken a general risk assessment with regards to Frontal Swing (C8) exceedance and has determined criteria under which Frontal Swing exceedance does not pose increased risk.</p> <p>Using this criteria the Regulator considers that while a heavy vehicle built to the design does not comply with Frontal Swing (C8) under the Standards and Vehicle Assessment Rules, it will not pose any greater risk than a heavy vehicle that complies with the standard for the following reasons:</p> <ul style="list-style-type: none"> <li>• The vehicle will considerably exceed the requirements of Low-Speed Swept Path (C7) in a way that offsets the failure to comply with Frontal Swing (C8).</li> <li>• It is also noted that while this vehicle does not comply with Frontal Swing (C8) by 110mm it will operate 920mm within level 2 Low-Speed Swept Path (C7). This vehicle required less road space than other vehicles that would comply and could operate under the scheme.</li> <li>• It was also noted that the non-conformance is forward of the driver in the driver's clear line of sight making the non-conformance easy to manage; consistent with ergonomics of positioning of gauges and controls and management of risk.</li> <li>• The Assessor has undertaken a study comparing the swept path envelope of the as-built combination to that of a compliant PBS vehicle that has the worst-case Level 2 swept path performance. It was found that the combination can easily fit entirely within the worst-case swept path envelope.</li> </ul>