

## PBS EXP 1 - 3-axle pm semi

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:	3-axle pm semi (Level 1)
The standard/s under the Standards and Vehicle Assessment Rules that a vehicle built to the design may not comply with:	Difference of Maxima (C8c) Standard: 200mm This vehicle design: 230 mm (exceedance of 30mm)
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 undertook a risk assessment before determining its support for the design. The Regulator concluded that although a heavy vehicle built to the design would not comply with Difference of Maxima (C8c) under the Standards and Vehicle Assessment Rules, it would not pose any greater risk than a heavy vehicle that did comply with the standard for the following reasons:</p> <ul style="list-style-type: none"> <li>• It exceeds the requirements of Low-Speed Swept Path (C7) in a way that offsets the failure to comply with Maximum of Difference (C8b). (Standard: 7.4m; This vehicle: 7.24m)</li> <li>• It exceeds the requirements of Frontal Swing (C8a) in a way that offsets the failure to comply with Maximum of Difference (C8b). (Standard: 0.7m; This vehicle: 0.3m)</li> <li>• Because of its 160mm margin for Low Speed Swept Path (C7) and 400mm margin for Frontal Swing (C8a), it will operate comfortably within Level 1, despite its non-compliance with C8b and will require less road space than other vehicles that comply with Level 1 standards.</li> <li>• The vehicle could be made to fully comply by installing a bulbar; however, Low-Speed Swept Path (C7) and Frontal Swing (C8a) would then be on the level 1 limit. The benefits of higher performance in C7 and C8a would be lost by fixing the minor non-conformance with Difference of Maxima (C8c).</li> </ul>