



CIRCULAR NO.20-2-1

PROCEDURES FOR DEMONSTRATION OF COMPLIANCE

Introduction

1. Australian Design Rule No. 20 - Safety Rims, requires that wheel rims retain a deflated tyre in the event of a rapid loss of inflation pressure. The level of testing required to establish compliance of every possible vehicle variant could be most extensive. Therefore the Board has decided to set the criteria by which a test on one vehicle may be considered applicable to another.
2. It will be the responsibility of the vehicle manufacturer to ensure that every vehicle to which a Compliance Plate is affixed complies with the relevant Design Rules.

Implementation Procedure:

3. The Board will accept a test on one vehicle as representative of another for the purposes of issuing a Compliance Plate Approval, provided that the following criteria are met:
The vehicle when compared with the test vehicle has;
 - (a) the same make;
 - (b) the same track and wheelbase length; and
 - (c) Individual wheel loads as determined by Clause 20.3.1 which do not differ from the test loads by more than 10%.
4. On each test vehicle, each applicable combination of rim and tyre as selected in accordance with Clause 20.3.2 shall be tested separately on the front and rear wheel positions, which are diagonally opposite each other. The wheel positions which are not being tested shall be fitted with identical wheels and tyres inflated to the manufacturer's recommended pressures.

Documentation

5. Manufacturers who wish to utilize the procedures specified above are required to submit evidence in sufficient detail for the Board to determine that all the criteria have been met. As a general rule, the Board requires the manufacturer to provide a complete submission which shall include:
 - (a) reports of the tests conducted,
 - (b) details of all the vehicles covered by the submission, and
 - (c) justification for the selection of the test vehicles.

This Circular supersedes Circular No. 11 and Interpretation No. 1 of ADR 20 in Circular No. 47 of the first series of Board Circulars.