

Submission 47 – MVSA Review 2014

To whom this may concern,

This past year I've had it brought to my attention by numerous electricians and suppliers that our electrical harness cable size is designed around the use of a globe system, as the world has moved to LED's since the last review the below requirements could be updated to align with technology. This would reduce production costs on industry.

ADR63/00 (Trailers Designed for Use in Road Trains) comments on electrical requirements, I have attached the relevant extract. ADRR42/04 also discusses the requirements of the electrical connectors between vehicles.

Inserted text:

63.4 ELECTRICAL REQUIREMENTS

- 63.4.1. Electrical connectors having a minimum rated capacity for the lighting circuit of 30 amps at nominal 12V or 15 amps at 24V for connection of lighting and signalling systems must be fitted.
- 63.4.2. Main line supply cables, other than feeder wires to lamps, must have a DC resistance of not more than 4 mΩ/metre or in the case of copper cables must have a cross-sectional area not less than 5 mm².
- 63.4.3. Every trailer must be equipped with an electrical conductor having a minimum cross-sectional area not less than 5 mm², independent of the trailer 'Coupling', or 'Fifth Wheel' assembly in the case of a 'Semi-trailer' providing a return path between the electrical circuits of the trailer and that of the drawing vehicle.

Best regards

Steven Foxwell

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