INSTALLATION OF LIGHT EMITTING DIODE (LED) TRAFFIC SIGNAL LANTERNS

Introduction

The RMS introduced the use of LED lanterns for all new traffic signal installations and reconstructions of existing traffic signals in 2004.

This Technical Direction updates the mandatory practice to be applied to the use of LED lanterns.

General

The Australian Standard for LED traffic signal lanterns was released in May 2002. A number of Australian States have introduced LED lanterns and are actively replacing their 240 volt globe lanterns with LED lanterns. All New South Wales’ traffic signals that used 240 volt globes have now been replaced with LED technology. All the existing Quartz Halogen (QH) technology will now gradually be replaced with LED technology.

Practice

In any installation of new traffic signals, LED lanterns are to be used.

In any major reconstruction of traffic signals, LED lanterns are to be installed and all existing QH lanterns shall be replaced with LED lanterns.

In any minor reconstruction of traffic signals, existing QH lanterns can be maintained unless otherwise directed. All of the lanterns on the same signal group are to be either QH or LED.

Further, only one brand of LED lanterns shall be used in the same signal group i.e. no mixing of brands.

Distribution List:

Director, Infrastructure Development; Director, Commercial; Traffic and Safety Management staff; Project and Asset Managers.

For further enquiries

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Action

This policy takes effect immediately.

Updates

To ensure that this Technical Direction remains current and relevant, minor updates may be made from time to time. This may be done through the Roads & Maritime Services’ website using the Traffic & Transport Policies & Guidelines Register which can be found at:


The Register should always be checked prior to using this Technical Direction.

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