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# VIRM: Entry certification (new light vehicles) ESC amendment 1 July 2015

17 June 2015

## List of changes and preview package

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This amendment covers changes relating to [Land Transport Rule: Light-vehicle brakes Amendment 2014](#) that come in to force on 1 July 2015.

From the 1 July 2015:

- a new motor vehicle of class MA, MB, MC or NA that is certified for entry into service in New Zealand must be fitted with electronic stability control (ESC).

**This amendment only affects light vehicles – including some light passenger service vehicles.**

# LIST OF CHANGES

Note that links below go to the current VIRM page.

To view the changes see the *Preview pages* following the table below.

SECTION	CHANGE DESCRIPTION
<b>Introduction</b>	
<a href="#">7 Definitions and abbreviations</a>	Electronic stability control definition added

## PREVIEW PAGES

### Introduction

#### Definitions and abbreviations

<b>Electronic stability control (ESC)</b>	<p>means a system that electronically regulates the stability of a motor vehicle and, as a minimum, has the following attributes:</p> <p>a) improves vehicle directional stability by at least having the ability to automatically control individually the braking torques of the left and right wheels on each axle, or an axle of each axle group, to induce a correcting yaw moment based on the evaluation of actual vehicle behaviour in comparison with a determination of vehicle behaviour demanded by the driver, and</p> <p>b) is computer-controlled, with the computer using a closed-loop algorithm to limit vehicle oversteer and to limit vehicle understeer based on the evaluation of actual vehicle behaviour in comparison with a determination of vehicle behaviour demanded by the driver, and</p> <p>c) has a means to determine directly the value of the vehicle's yaw rate and to estimate its side slip or side slip derivative with respect to time, and</p> <p>d) has a means to monitor driver steering inputs.</p>
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