

Helping New Zealanders Build & Modify Safe Vehicles



NEW MOTORCYCLE ONT DOCUMENTS

Introducing Objective Exhaust Noise Emission Testing Documents for Motorcycles

► Introduction

This Information Sheet provides details about changes to LVVTA's document system, to incorporate the objective noise test (ONT) system into the 'next-generation' LVV documents, and to separate out the ONT process for motorcycles, and for vehicles other than motorcycles.

Aligned with this change is the new *NZ Motorcycle Construction Manual (MCM)* which has been under progressive development for some time, and in particular, new motorcycle-specific documents relating to performing an ONT on a motorcycle, comprising a new motorcycle LVV Standard, an *MCM* chapter, and *MCM* Form-set.

LVV Certifiers will be aware of parallel 'next-generation' LVV documents (LVV Standard, *NZ Car Construction Manual (CCM)* chapter, and *CCM* Form-set) which have been recently released for vehicles other than motorcycles.

► New Documents

NZ Motorcycle Construction Manual (MCM)

The new *MCM* has been in development for some time, and the individual *MCM* chapters will be released progressively as they are developed. There are six other *MCM* chapters nearing completion, scheduled for release in the coming month.

The *MCM* will be a parallel document to the existing *CCM*, designed – as the name applies – to guide New Zealanders in the safe modification and construction of motorcycles, and to provide LVV Certifiers with inspection documents, including corresponding *MCM* Form-sets. The format, chapters, and numbering of the *MCM* is very closely aligned with the updated 'next-generation' chapters of the *CCM*.

New *MCM* Chapter, LVV Standard, & *MCM* Form-set

From 1 October, when LVV Certifiers perform an ONT on a motorcycle, they will refer to the new *Chapter 11 (Part 1) – Exhaust Noise & Gas Emissions* of the *MCM* for the specific inspection and testing process applicable to motorcycles, which includes the maximum permissible dBA limits and engine speed requirements.

To support the new *MCM* chapter, *LVV Standard 145-45(00): Exhaust Noise Emissions – Motorcycles* has been developed which captures the legal framework associated with exhaust noise emissions, and refers to the new *Chapter 11 (Part 1) – Exhaust Noise & Gas Emissions* of the *MCM* for the specific technical and testing requirements.

A corresponding *MCM* Form-set, titled *MCM Form-set # 211-1*, has been developed to mirror the requirements of *Chapter 11 (Part 1) – Exhaust Noise & Gas Emissions* of the *MCM* for LVV Certifiers to use during their testing process.

► ONT System Operation

LVVTA Information Sheet # 03-2025: Changes to Objective Noise Testing, released on August 26, provides LVV Certifiers with new information relating to changes to the way the results of the ONT process are recorded. This new information applies equally when performing an ONT to motorcycles, and should be referred to for motorcycles. LVV Certifiers should contact LVVTA for any further information or advice.



FOR FURTHER INFORMATION PLEASE CONTACT YOUR LVV CERTIFIER, OR LVVTA.