

Schedule

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Certificate No. : LA-2017-0656-C

Issue No. : 1

Date : 02 October 2017

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FIELD OF TESTING : Calibration and Measurement

MEASURED QUANTITIES / INSTRUMENTS / RANGE TO BE CALIBRATED	METHOD	CALIBRATION AND MEASUREMENT CAPABILITY (CMC*)
<p><u>VIBRATION</u></p> <p>1. Accelerometer (Voltage Sensitivity)</p> <p>4 Hz to 20 Hz > 20 Hz to 2000 Hz > 2000 Hz to 10000 Hz</p> <p>2. Electrodynamic Shaker Controller (AC Voltage , Charge)</p> <p><u>Input Channel</u> 1 Hz to < 10 Hz 10 Hz to < 2000 Hz 2 kHz to < 8 kHz 8 kHz to < 10 kHz 10 kHz to <15 kHz 15 kHz to 20 kHz</p> <p><u>Output Channel</u> 1 Hz to < 10 Hz 10 Hz to < 10000 Hz 10 kHz to < 15 kHz 15 kHz to 20 kHz</p>	<p>ETS In-house Procedure: SOP-CA-02</p> <p>Reference Accelerometer: Dytran 3123A / 3120B</p> <p>Vibration Research VR9500</p> <p>ETS In-house Procedure: SOP-CA-01</p> <p>Digital Multimeter: Agilent 34410A</p>	<p>2.2 % 1.8 % 3.4 %</p> <p>0.5 % 0.25 % 0.3 % 0.38 % 0.75 % 1 %</p> <p>0.5 % 1 % 1.3 % 1.5 %</p>

* CMC is expressed as an expanded uncertainty estimated at a level of confidence of approximately 95 %.

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Approved signatories

Mr Miko Trisetya Judiutama

Note :

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid test results. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.