MAURITIAN
STANDARD

MS 178-5:2012

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Road speed measuring systems –

Part 5: Data capturing and recording devices for measuring speed of vehicles

Gr

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National Foreword

This Mauritian Standard (MS 178-5:2012) was drawn up by the by the Mauritius Standards Bureau on the recommendation of the Metrology Standards Committee through its Subcommittee on Radar Equipment. It was approved by the Standards Council on March 2012 and was notified in the Government Gazette on 28 April 2012.

This Mauritian Standard is adapted from the South African Standard SANS 1795-5:2007 and was implemented with the permission of the South African Bureau of Standards.

Acknowledgement is made for the use of information from the above publication.

MS 178 consists of the following parts, under the general title *Road speed measuring systems:*

Part 0: General requirements.
Part 1: Laser speed measuring equipment.
Part 2: Radar speed measuring equipment.
Part 3: Distance-over-time speed measuring equipment (fixed distance/variable time).
Part 4: Distance-over-time speed measuring equipment (variable distance/variable time).
Part 5: Data capturing and recording devices for measuring speed of vehicles.

*** General Notice No. 979 of 2012**

Contents

Road speed measuring systems

Part 5:
Data capturing and recording devices for *measuring speed of vehicles*

1 Scope

This part of MS 178 specifies mechanical, electrical and operational requirements for data capturing and recording equipment that is intended for road traffic law enforcement and prosecution purposes.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of MS 178. All standards are subject to revision and, since any reference to a standard is deemed to be a reference to the latest edition of that standard, parties to agreements based on this part of MS 178 are encouraged to take steps to ensure the use of the most recent editions of the standards indicated below.

ANSI INCITS 92, *Data encryption algorithm*.

CCITT V.41, *Code-independent error-control system.*

ISO/IEC 9797-1, *Information technology – Security techniques – Message Authentication Codes (MACs) – Part 1: Mechanisms using a block cipher*.

ISO/IEC 10116, *Information technology – Security techniques – Modes of operation for an n-bit block cipher*.

MS 178-0, *Road speed measuring systems – Part 0: General requirements*.

MS 178-1, *Road speed measuring systems – Part 1: Laser speed measuring equipment*.

MS 178-2, *Road speed measuring systems – Part 2: Radar speed measuring equipment*.

MS 178-3, *Road speed measuring systems – Part 3: Distance-over-time speed measuring equipment (fixed distance/variable time)*.

MS 178-4: *Road speed measuring systems – Part 4: Distance-over-time speed measuring equipment (variable distance/variable time)*.

IEC 60529, *Degrees of protection provided by enclosures* (IP Code).

IEC 61000-4-2, *Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 2: Electrostatic discharge immunity test*.