

Proposal for Draft Technical Specification for Verification and Inspection of Laser Speedometers

By the Bureau of Standards, Metrology and Inspection (BSMI), Ministry of Economic Affairs

In view of the trend of the police to use laser speedometers to enforce vehicle speed regulations, the Bureau of Standards, Metrology and Inspection (BSMI) considers it necessary to include metrological control over this type of speedometers (radar speedometers are already covered by metrological control) so as to protect consumer interests by ensuring accuracy of the speedometers. As relevant international standards do not exist, the BSMI makes references to the American national standards of Speed-Measuring Device Performance Specifications (DOT HS 809 239) to draft this technical specification.

The draft technical specification, which is now available only in Chinese and is attached to this explanation for purpose of reference, contains performance requirements and verification procedures by taking into account comments from domestic industries for laser speedometers. Below is a brief description of the draft technical specification:

Section 1 defines scope of laser speedometers covered by this technical specification.

Section 2 defines the requirements of construction, appearance and marking of laser speedometers.

Section 3 defines the equipment required for performing verification and inspection, the test of aim at the distance, the laser safe value (AEL), the speed accuracy, the validity of verification, inspection and maximum permissible errors of laser speedometers.

Section 4 requires that a verification compliance tag be affixed to the body of the instrument.