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NATIONAL METROLOGY TECHNICAL SPECIFICATION OF THE

PEOPLE'S REPUBLIC OF CHINA

JJF 1921-2021

Calibration Specification for GNSS Vehicle Travelling Data Recorders

GNSS行驶记录仪校准规范

(English Translation)

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Introduction

JJF 1071-2010 "Rules for the Compilation of National Metrology Calibration Standards", JJF 1001 "General Metrology Terms and Definitions" JJF 1059.1-2012 "Assessment and Representation of Measurement Uncertainty" together constitute the basis for the preparation of this specification Series Specifications.

This specification is published for the first time.

GNSS tachograph calibration specification

1 Scope

This specification applies to the calibration of vehicle tachographs for road transport vehicles using satellite navigation operating mode.

2 Reference documents this specification references the following documents.

JJF 1001-2011 "General Metrology Terms and Definitions" JJF 1180-2007 "Terms and Definitions of Time and Frequency Measurement" JJF 1403-2013 "Global Navigation Satellite System (GNSS) Receiver (Time Measurement Type)" GB/T 19056-2012 "Car Driving Recorder" for dated references, only the dated version applies to this specification; for undated references the latest version (including all amendments) applies to this specification.

3 Terminology

3.1 Positioning bias positionbias the deviation of the position value recorded by the car tachograph from the standard position value.

3.2 Velocitybias

The deviation of the speed value measured by the tachograph from the standard speed value.

4 Overview

The tachograph is the information on the vehicle position, driving speed, mileage, time and other status information about the driving of the vehicle.

It is a digital electronic recording device that records and stores information and realizes data output through data communication. driving recorder Mainly composed of microprocessor, data memory, display, data communication interface, display, micro printer, internal time it consists of clock, data input device, vehicle speed sensor (satellite navigation and positioning module), etc. (see Figure 1).

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