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TPMS snap-in valves —

Part 3: **Performances**

Valves à boutonner («snap-in») pour TPMS —
Partie 3: Performances

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 9, *Valves for tube and tubeless tyres*.

A list of all parts in the ISO 18885 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

TPMS snap-in valves —

Part 3:
Performances

1 Scope

This document specifies test methods for TPMS snap-in tubeless valves.

These methods are defined to determine the minimum level of performances requested.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 9227, *Corrosion tests in artificial atmospheres — Salt spray tests*

ISO 18885-2, *TPMS snap-in valves — Part 2: Valve environment*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
unused valve
valve that has completed final curing processing at least 24 h previously, has not been subjected to any test or service and has been stored for no longer than 4 months in the dark at an ambient temperature between 18 °C and 28 °C, in an optimal and non-aggressive environment

Note 1 to entry: Rubber compounds can change characteristics during their life expectancy.

3.2
stem
insert
metallic part of the valve (usually in brass material) designed to be matched with inner core, cap, *sensor housing* (3.4) and partially covered by rubber

3.3
sealing cap
protection part that is matched with valve *stem* (3.2) and includes an elastomer seal

3.4
sensor housing
rigid case that is matched with valve *stem* (3.2) and contains TPMS sensor components