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BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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भारतीय मानक मसौदा

सड़क वाहन — संघट्ट परीक्षणों में मापन
तकनीकें — मापयंत्रण

Draft Indian Standard

**ROAD VEHICLES — MEASUREMENT TECHNIQUES IN IMPACT
TESTS — INSTRUMENTATION**

ICS: 43.020

**Passive Safety Crash Protection Systems Sectional Committee,
TED 29**

**Last date for receipt of
comments is 20/07/2024**

NATIONAL FOREWORD

(Formal Clause to be added later)

The text of ISO standard is proposed for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

Amendment ISO 6487:2015/Amd 1:2017 also published.

In this adopted standard, reference appears to certain International Standard for which Indian Standard also exists. The corresponding Indian Standard, which is to be substituted in its respective place, is listed below along with its degree of equivalence for the edition indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 2041 :2018 Mechanical vibration, shock and condition monitoring — Vocabulary	IS/ISO 2041: 2018 Road vehicles — Collision classification — Terminology (<i>first revision</i>)	Identical under single numbering

The technical committee has reviewed the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard/ Others Publications</i>	<i>Title</i>
ISO 3784 :1976	Road vehicles — Measurement of impact velocity in collision tests
ISO 4130 :1978	Road vehicles — Three-dimensional reference system and fiducial marks — Definitions
ISO/TR 27957	Road vehicles — Temperature measurement in anthropomorphic test devices — Definition of the temperature sensor locations
SAE J211-1 :2022	Instrumentation for impact test — Part 1: Electronic instrumentation

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of test or analysis, shall be rounded off in accordance with IS 2: 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

SCOPE

This International Standard gives requirements and recommendations for measurement techniques involving the instrumentation used in impact tests carried out on road vehicles. Its requirements are aimed at facilitating comparisons between results obtained by different testing laboratories, while its recommendations will assist such laboratories in meeting those requirements. It is applicable to instrumentation including that used in the impact testing of vehicle subassemblies. It does not include optical methods which are the subject of ISO 8721.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 6487:2015 or CONTACT:

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