

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

सड़क वाहन - साइबर सुरक्षा इंजीनियरिंग

Draft Indian Standard

ROAD VEHICLES — CYBERSECURITY ENGINEERING

ICS: 43.040.15

Automotive Electrical Equipment and Instruments Sectional
Committee, TED 11

Last Date for Comments: 22/September/2024

Automotive Electrical Equipment and Instruments Sectional Committee, TED 11

NATIONAL FOREWORD

(Formal clause will 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:

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

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

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 26262-3:2018 Road vehicles — Functional safety — Part 3: Concept phase	IS/ISO 26262-3: 2018 Road vehicles — Functional safety — Part 3: Concept phase	Identical under dual numbering

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.

Annex A, B, C, D, E, F, G and Annex H forms informative part of this standard.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off it shall be done in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (*second revision*)’.

SCOPE

This document specifies engineering requirements for cybersecurity risk management regarding concept, product development, production, operation, maintenance and decommissioning of electrical and electronic (E/E) systems in road vehicles, including their components and interfaces. A framework is defined that includes requirements for cybersecurity processes and a common language for communicating and managing cybersecurity risk.

This document is applicable to series production road vehicle E/E systems, including their components and interfaces, whose development or modification began after the publication of this document.

This document does not prescribe specific technology or solutions related to cybersecurity.

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO/SAE 21434:2021
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