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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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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 22, *Road vehicles*, Subcommittee SC 32, *Electrical and electronic components and general system aspects*.

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.

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Introduction

This document is related to ISO/SAE 21434 *Road vehicles — Cybersecurity engineering* and extends ISO 19011 *Guidelines for auditing management systems* to the automotive domain.

This document is intended for organizations involved in automotive cybersecurity engineering in any part of the automotive supply chain and for organizations needing to conduct audits. This document can be used for audits of varying scope.

This document is adapted to fit the scope of an automotive cybersecurity engineering audit programme. Cybersecurity audits in this document are aimed at cybersecurity activities at the organizational level. While results from past projects can be used as evidence for implemented and applied processes, the project and product levels are not in the focus of this document.

This document provides guidelines on the management of an audit programme, on the planning and conducting of management system audits, as well as on the competence and evaluation of an audit team. An audit can be conducted against a range of audit criteria. This document gives a set of audit criteria based on ISO/SAE 21434 objectives. In addition, Annex A contains an example questionnaire that can be adapted.

This document can be used for internal audits (first party), for audits conducted by organizations on their external parties (second party) and for external audits conducted by third parties (e.g. for the purpose of certification). This document can also be useful to organizations involved in auditor training or personnel certification.

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