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Infotainment services for public vehicles (PVIS) - Part 3: Framework

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

**Infotainment services for public vehicles (PVIS) - Part 3:
Framework
(IEC 63479-3:2026)**

Services d'infodivertissements pour véhicules publics
(PVIS) - Partie 3: Cadre
(IEC 63479-3:2026)

Infotainment Dienstleistungen für öffentliche Verkehrsmittel
(PVIS) - Teil 3: Rahmen
(IEC 63479-3:2026)

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EN IEC 63479-3:2026 (E)**European foreword**

The text of document 100/4262/CDV, future edition 1 of IEC 63479-3, prepared by TC 100/Technical Area 17 "Multimedia systems and equipment for vehicles" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63479-3:2026.

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IEC 63246-1:2021	NOTE	Approved as EN IEC 63246-1:2021 (not modified)
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INTERNATIONAL STANDARD

**Infotainment services for public vehicles (PVIS) -
Part 3: Framework**

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**Infotainment services for public vehicles (PVIS) -
Part 3: Framework**

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IEC 63479-3 has been prepared by technical area 17: Multimedia systems and equipment for vehicles, of IEC technical committee 100: Audio, video and multimedia systems and equipment. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
100/4262/CDV	100/4347/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

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This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 63479 series, published under the general title *Infotainment services for public vehicles (PVIS)*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

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INTRODUCTION

It is noted that the markets and industries on infotainment services for vehicles (known as in-vehicle infotainment services) have been growing rapidly. It is envisioned that a variety of infotainment (or multimedia) devices and services will be newly developed for personal and public vehicles in the future. Such devices include navigations, cameras, speakers, headrest displays, air-conditioners, thermometers and heated seats, and lights.

A set of standards have so far been developed on configurable car infotainment services (CCIS) with the IEC 63246 series. However, the CCIS standards have been basically designed for personal users, such as car owners. In the meantime, there is also a crucial need to provide a variety of infotainment services for public vehicles (PVIS) such as bus or train.

PVIS services have different requirements and features from CCIS services. For user type, CCIS is targeted for one or two users (such as car owner), whereas PVIS are for a large number of guests or passengers within the public vehicle. For device type, CCIS deals with the personal devices (property or belonging) in the car, whereas PVIS will be targeted for a variety of public devices that are contained in a public vehicle. Some PVIS services can be provisioned by interworking with the external networks, as shown in the bus information service. For service duration, CCIS usually provide long-term services, whereas PVIS can provide short-term service during which a guest stays within a public vehicle.

From these observations, it is noted that there are many different features and requirements between CCIS and PVIS. Accordingly, there is a need for standardization on PVIS. In particular, PVIS will employ a set of agents to effectively manage a large number of users or devices.

The PVIS series (IEC 63479) describes infotainment (multimedia) services for terrestrial public vehicles, such as bus, train, or subway. It is not applicable to public vehicles, such as airplane or ship. For this purpose, the following issues are addressed: 1) identify a variety of functional requirements for provisioning of PVIS, 2) design the PVIS framework, based on the identified requirements. The PVIS standards are expected to provide guidelines on PVIS services for a large number of users/devices, and to encourage development of new (enhanced) PVIS services (possibly by interworking with the external systems).

The IEC 63479 consists of the following parts:

- Part 1: General
- Part 2: Requirements
- Part 3: Framework

IEC TR 63479-1 describes general considerations and system model for PVIS, with some examples of PVIS services.

IEC 63479-2 describes the functional requirements for PVIS.

IEC 63479-3 describes the framework, including the functional information flows between functional entities.

1 Scope

This part of IEC 63479 describes the infotainment services for public vehicles (PVIS) framework, including the functional reference models and the information flows for functional operations.

2 Normative references

There are no normative references in this document.

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