

TECHNICAL REPORT

Conceptual model of standardization for multimedia car systems and equipment



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CONTENTS

FOREWORD.....	5
INTRODUCTION.....	7
1 Scope.....	8
2 Normative references.....	8
3 Terms, definitions and abbreviations	8
3.1 Terms and definitions	8
3.2 Abbreviated terms	9
4 Overview of the car system	9
5 Use case	13
5.1 General.....	13
5.2 Use experience system	13
5.2.1 General	13
5.2.2 Smart start.....	14
5.2.3 UX mirroring	14
5.2.4 Data synchronization.....	14
5.3 Infotainment system	14
5.3.1 General	14
5.3.2 Picture navigation	14
5.3.3 Under traffic signal office	14
5.3.4 Car social network	14
5.3.5 Panoramic vision.....	15
5.3.6 OBD based car maintenance service.....	15
5.4 Navigation system.....	15
5.4.1 General	15
5.4.2 Surrounding information	15
5.4.3 Geographical information	15
5.4.4 Drive information.....	15
5.4.5 Car information	15
5.4.6 Event information	16
5.5 Audio-visual entertainment system	16
5.5.1 General	16
5.5.2 3D audio system	16
5.5.3 Emotion-based music streaming.....	16
5.6 Parking concierge system.....	16
5.7 Car monitoring system.....	16
5.8 Self-emergency call system.....	16
6 Networked system	16
6.1 General.....	16
6.2 Network inside a car.....	16
6.2.1 Car status information	16
6.2.2 Infotainment system network	17
6.2.3 Network of devices.....	17
6.3 Network outside a car.....	18
6.3.1 General	18
6.3.2 Network between two cars.....	18
6.3.3 Network between a car and another TC 100 system.....	18

6.3.4	Network with cloud servers.....	19
7	System elements	19
7.1	Device	19
7.1.1	Source device	19
7.1.2	Sink device	19
7.1.3	Sensor device	19
7.1.4	Output device	20
7.1.5	Car black box device	20
7.1.6	Mobile and wearable device	20
7.2	Network and interface	20
7.2.1	Inside a car.....	20
7.2.2	Outside a car	20
7.3	General information.....	20
7.3.1	File format	20
7.3.2	Metadata	20
7.4	User interface device	20
7.4.1	General	20
7.4.2	Audio reproduction device	21
7.4.3	Video reproduction device	21
7.4.4	Input device	21
7.4.5	Output device	21
7.4.6	Wearable device	21
8	Measurement method	21
8.1	General.....	21
8.2	Audio-video device	22
8.3	Sensor device	22
8.3.1	Cameras	22
8.3.2	Other sensor devices	22
9	Content	22
9.1	General.....	22
9.2	Infotainment content.....	22
9.2.1	Map	22
9.2.2	Traffic and road information.....	22
9.2.3	Drive information.....	22
9.2.4	Network service information	22
9.2.5	Car maintenance information.....	23
9.3	AV content.....	23
10	Security.....	23
10.1	General.....	23
10.2	Networked systems and equipment.....	23
10.3	None networked system and equipment.....	23
11	Regulations	24
	Annex A (informative) Network and smart device	25
	Annex B (informative) IEC standard for security.....	26
	Figure 1 – TC 100 system model for data communication	10
	Figure 2 – User communication model.....	11
	Figure 3 – Communication between TC100 models.....	11

Figure 4 – Car model	12
Figure 5 – Networked systems	12
Figure 6 – Modes.....	13
Figure 7 – Car status information	17
Figure 8 – Infotainment system network	17
Figure 9 – AV devices	18
Figure 10 – Network between two cars	18
Figure 11 – Network between car and home	18
Figure 12 – Network with cloud	19
Figure A.1 – Main device case	25
Figure A.2 – Part of the main AV system of a car.....	25

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONCEPTUAL MODEL OF STANDARDIZATION FOR MULTIMEDIA CAR SYSTEMS AND EQUIPMENT

FOREWORD

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IEC TR 63038, which is a technical report, has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
100/2628/DTR	100/2692/RVC

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

INTRODUCTION

This document is initiated by the study session 5 in TC 100/AGS and made by stage 0 project, PT100-9. The study session 5 was formed to study car related issues of TC 100, the study session 5 proposed stage 0 project, it was approved and assigned as PT 100-9.

The equipment and systems under the scope of TC 100 are firstly used in residential domains such as in home, school, office, etc. And now these are used in mobile domains such as in car, train, airplane, ships and with individuals as movable, carryable or wearable device. These new domains require different specifications from the conventional residential domains.

PT100-9 focuses on the car domain. As a preliminary, this document provides an example of the conceptual model of car related issues under the scope of TC 100, and then it details possible standardization items that are car related.

CONCEPTUAL MODEL OF STANDARDIZATION FOR MULTIMEDIA CAR SYSTEMS AND EQUIPMENT

1 Scope

This document specifies the conceptual model of multimedia systems and equipment utilized for cars and describes possible standardization items.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC TR 61998:2015, *Model and framework for standardization in multimedia equipment and systems*

IEC TS 62045-1:2006, *Multimedia security – Guideline for privacy protection of equipment and systems in and out of use – Part 1: General*

IEC 62227:2008, *Multimedia home server systems – Digital rights permission code*
IEC 62227:2008/AMD1:2012

IEC 62443 (all parts), *Industrial communication networks – Network and system security*

3 Terms, definitions and abbreviations

3.1 Terms and definitions

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

3.1.1

Infotainment system

system for integration of Information and entertainment

3.1.2

main AV system

<car> main audio, video and multimedia system installed in cars

3.1.3

working and functional mode

<car> mode in which various cars work and function correctly

3.1.4

UX mirroring

user experience mirroring

3.1.5

picture navigation

<car> navigation with geotagged pictures