



Edition 1.0 2025-06

TECHNICAL SPECIFICATION

Multimedia systems - Haptics - Haptics stimuli descriptors

(https://standards.iteh.ai)
Document Preview

<u>1EC TS 63528:2025</u>

https://standards.iteh.ai/catalog/standards/iec/9c17696f-eee2-46ef-a160-b0280cf07b4e/iec-ts-63528-2025



THIS PUBLICATION IS COPYRIGHT PROTECTED Copyright © 2025 IEC, Geneva, Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either IEC or IEC's member National Committee in the country of the requester. If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please contact the address below or your local IEC member National Committee for further information.

IEC Secretariat Tel.: +41 22 919 02 11

3, rue de Varembé info@iec.ch CH-1211 Geneva 20 www.iec.ch

Switzerland

About the IEC

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

About IEC publications

The technical content of IEC publications is kept under constant review by the IEC. Please make sure that you have the latest edition, a corrigendum or an amendment might have been published.

IEC publications search -

once a month by email.

Service Centre: sales@iec.ch.

webstore.iec.ch/advsearchform

The advanced search enables to find IEC publications by a variety of criteria (reference number, text, technical committee, ...). It also gives information on projects, replaced and withdrawn publications.

IEC Just Published - webstore.iec.ch/justpublished
Stay up to date on all new IEC publications. Just Published
details all new publications released. Available online and

IEC Customer Service Centre - webstore.iec.ch/csc
If you wish to give us your feedback on this publication or
need further assistance, please contact the Customer

IEC Products & Services Portal - products.iec.ch

Discover our powerful search engine and read freely all the publications previews, graphical symbols and the glossary. With a subscription you will always have access to up to date content tailored to your needs.

Electropedia - www.electropedia.org

The world's leading online dictionary on electrotechnology, containing more than 22 500 terminological entries in English and French, with equivalent terms in 25 additional languages. Also known as the International Electrotechnical Vocabulary (IEV) online.

Preview

<u>IEC TS 63528:2025</u>

https://standards.iteh.ai/catalog/standards/iec/9c17696f-eee2-46ef-a160-b0280cf07b4e/iec-ts-63528-2026

IEC TS 63528:2025 © IEC 2025

CONTENTS

FOREWO	OREWORD3		
INTROD	UCTION5		
1 Sco	pe6		
2 Norr	mative references6		
3 Tern	ms and definitions6		
4 Abb	reviated terms8		
	rview of haptics stimuli descriptors8		
5.1	Overview8		
5.2	Outline of haptics stimuli descriptors		
5.3	Haptics stimuli descriptors explanation9		
5.3.	·		
5.3.2			
5.3.3	3 Perception(s)		
5.3.4	4 Reality class11		
5.3.	5 Interactivity11		
5.3.0	6 Target body part(s)12		
5.3.	,		
5.3.8	0 ()		
5.3.9	9 Method(s)		
6 Hap	tics stimuli descriptors table13		
7 Imag	ge of haptics stimuli realization protocol		
7.1	General		
7.2	Manners of haptics stimulus generation and transmission		
7.3	Methodology of haptics stimulus reception and display		
7.4	Haptics stimulus interoperability between system and equipment		
	(informative) Example of haptics stimuli descriptors tables16		
A.1	Vibrotactile vest		
A.2	Vibrotactile TV		
A.3	Button sensation on CID in vehicles		
A.4	4D cinema theatre		
	(informative) Example of perception(s) names		
Bibliogra	phy		
	 Realization image of haptics stimulus (when generation, receiving and tion are carried out by different devices)		
-	•		
transmis	 Image of realization of haptics stimulus (when "generation and sion" and "receiving and presentation" are carried out by the same device)		
Tahla 1	- Haptics stimuli descriptor's structure9		
	·		
	- Example of haptics stimuli descriptors table		
i able A.	1 – Vibrotactile vest according to haptics stimuli descriptors		

IEC TS 63528:2025 © IEC 2025

Table A.2 – Vibrotactile TV according to haptics stimuli descriptors	17
Table A.3 – Button sensation on CID in vehicles according to haptics stimuli	
descriptors	17
Table A.4 – 4D cinema theatre according to haptics stimuli descriptors	18
Table B.1 – Example of perception name	19

iTeh Standards (https://standards.iteh.ai) Document Preview

IEC TS 63528:2025

https://standards.iteh.ai/catalog/standards/iec/9c17696f-eee2-46ef-a160-b0280cf07b4e/iec-ts-63528-2025