

BS EN 62516-3:2013



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Terrestrial digital multimedia broadcasting (T-DMB) receivers

Part 3: Common API

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**Terrestrial digital multimedia broadcasting (T-DMB) receivers -
Part 3: Common API
(IEC 62516-3:2013)**

Récepteurs pour diffusion multimédia
numérique terrestre (T-DMB) -
Partie 3: API commune
(CEI 62516-3:2013)

Empfänger für terrestrischen
Multimedialdigitalrundfunk (T-DMB) -
Teil 3: Allgemeine API
(IEC 62516-3:2013)

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Foreword

The text of document 100/2020/CDV, future edition 1 of IEC 62516-3, prepared by Technical Area 1 “Terminals for audio, video and data services and contents” of IEC/TC 100 “Audio, video and multimedia systems and equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62516-3:2013.

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-04-15

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In the official version, for Bibliography, the following note has to be added for the standard indicated :

IEC 62104:2003 NOTE Harmonised as EN 62104:2007 (not modified).

Annex ZA
(normative)**Normative references to international publications
with their corresponding European publications**

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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62516-1	2009	Terrestrial digital multimedia broadcasting (T-DMB) receivers - Part 1: Basic requirement	EN 62516-1	2009
IEC 62516-2	2011	Terrestrial digital multimedia broadcasting (T-DMB) receivers - Part 2: Interactive data services using BIFS	EN 62516-2	2011
ETSI EN 300 401 V1.3.3	-	Radio Broadcasting Systems; Digital Audio Broadcasting (DAB) to mobile, portable and fixed receivers	-	-

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TERRESTRIAL DIGITAL MULTIMEDIA BROADCASTING (T-DMB) RECEIVERS –

Part 3: Common API

1 Scope

This part of IEC 62516 describes the T-DMB common application program interface (API). It provides a software platform that, when combined with the T-DMB O/S, forms a universal interface for application programs. This interface allows application programs to be written in such a way that they run on any T-DMB receiver unit, as described in IEC 62516-1:2009 and IEC 62516-2:2011 regardless of its manufacturer.

This part of IEC 62516 also defines a software environment that allows multiple application programs to be interoperable on a single receiver unit by sharing the fixed resources of the receiver, and it provides a set of interfaces that the T-DMB middleware and the ASIC specific software use.

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 62516-1:2009, *Terrestrial digital multimedia broadcasting (T-DMB) receivers – Part 1: Basic requirements*

IEC 62516-2:2011, *Terrestrial digital multimedia broadcasting (T-DMB) receivers – Part 2: Interactive data services using BIFS*

ETSI EN 300 401 v1.3.3, *Radio Broadcasting Systems; Digital Audio Broadcasting (DAB) to mobile, portable and fixed receivers*

3 Abbreviations

ADC	Analog to Digital Converter
API	Application Programming Interface
ASIC	Application Specific Integrated Circuit
FIC	Fast Information Channel
HAL	Hardware Abstraction Layer
ISR	Interrupt Service Routine
MAC	Media Access Control
PAD	Program Associated Data
RF	Radio Frequency
R-S	Reed Solomon
SDIO	Secure Digital Input/Output
SI	Service Identifier
T-DMB	Terrestrial-Digital Multimedia Broadcasting