

Intelligent transport systems — Communications access for land mobiles (CALM) — Mobile wireless broadband using IEEE 802.16

ICS 03.220.01; 35.240.60

National foreword

This British Standard is the UK implementation of ISO 25112:2010.

The UK participation in its preparation was entrusted to Technical Committee EPL/278, Road transport informatics.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 April 2010
© BSI 2010

ISBN 978 0 580 61091 2

Amendments/corrigenda issued since publication

Date	Comments

INTERNATIONAL STANDARD

BS ISO 25112:2010

ISO
25112

First edition
2010-03-01

Intelligent transport systems — Communications access for land mobiles (CALM) — Mobile wireless broadband using IEEE 802.16

*Systèmes intelligents de transport — Accès aux communications des
services mobiles terrestres (CALM) — Mobiles à bande large sans fil
utilisant IEEE 802.16*



Reference number
ISO 25112:2010(E)
Documents
Document Sharing Hub
© ISO 2010

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2010

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 ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction.....	v
1 Scope	1
2 Conformance	1
3 Normative references	1
4 Terms and definitions	2
5 Symbols and abbreviated terms	2
6 Requirements.....	2
6.1 Adoption of other standards and internationally adopted practices	2
6.2 CALM Architecture	2
6.3 CALM Networking protocols for internet connectivity	2
6.4 CALM Medium service access points	2
6.5 CALM Interface manager	2
6.6 CALM using public wireless networks.....	2
6.7 Establishment of a medium specific session	3
6.8 Interface medium management	3
6.9 Medium access control (MAC)	3
6.10 CALM IEEE 802.16 MMAE service primitives	3
6.11 Identification of the 802.16 MMAE	4
6.12 CALM Session connection	5
6.13 CALM session disconnection	5
6.14 Change of IEEE 802.16 connection state	6
6.15 Retrieval of the medium status	6
6.16 IEEE 802.16 session disconnection	6
7 Test and conformance requirements	6
8 Marking, labelling and packaging.....	7
9 Declaration of patents and intellectual property.....	7
Bibliography.....	8

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 25112 was prepared by Technical Committee ISO/TC 204, *Intelligent transport systems*.