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**BS ISO 24102:2010**



BSI Standards Publication

# Intelligent transport systems — Communications access for land mobiles (CALM) — Management

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## **Intelligent transport systems — Communications access for land mobiles (CALM) — Management**

*Systèmes intelligents de transport — Accès aux communications des  
services mobiles terrestres (CALM) — Gestion*



Reference number  
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## 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 24102 was prepared by Technical Committee ISO/TC 204, *Intelligent transport systems*.



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## Introduction

This International Standard is part of a family of International Standards for communications access for land mobiles (CALM). An introduction to the whole set of International Standards is provided in ISO 21217.

This International Standard determines the intelligent transport systems (ITS) station management.

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# Intelligent transport systems — Communications access for land mobiles (CALM) — Management

## 1 Scope

This International Standard provides specifications for intelligent transport systems (ITS) station management to be compliant with the ITS station reference architecture and the set of communications access for land mobiles (CALM) related standards.

Management actions are specified via

- a) service access points,
- b) messages and data that flow between the ITS station management entity and the security entity, the application entity and the various communication protocol layers of the ITS station reference architecture, and
- c) protocol data units for management communications between addressable instances of functionality of an ITS station.

## 2 Normative references

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

ISO/IEC 8825-2, *Information technology — ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)*

ISO 15628:2007, *Road transport and traffic telematics — Dedicated short range communication (DSRC) — DSRC application layer*

ISO 21210, *Intelligent transport systems — Communications access for land mobiles (CALM) — IPv6 Networking*

ISO 21217, *Intelligent transport systems — Communications access for land mobiles (CALM) — Architecture*

ISO 21218:2008, *Intelligent transport systems — Communications access for land mobiles (CALM) — Medium service access points*

ISO 29281, *Intelligent transport systems — Communications access for land mobiles (CALM) — Non-IP networking*