BS ISO 21218:2013

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Intelligent transport systems — Communications access for land mobiles (CALM) — Access technology support

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This British Standard is the UK implementation of ISO 21218:2013. It supersedes BS ISO 21218:2008 which is withdrawn.

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

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Intelligent transport systems — Communications access for land mobiles (CALM) — Access technology support

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. www.iso.org/directives

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

The committee responsible for this document is ISO/TC 204, *Intelligent transport systems*.

This second edition cancels and replaces the first edition (ISO 21218:2008) which has been technically revised.

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 general technical details related to the access layer of an ITS station specified in ISO 21217 and illustrated in Figure 1 which are applicable to all or several access layer technologies. This includes especially the IN-SAP offered to the ITS-S networking & transport layer for communication purposes.

The MI-SAP presented in Figure 1 is specified by means of a reference to ISO 24102-3. The specification of the SI-SAP is not within the scope of this International Standard.

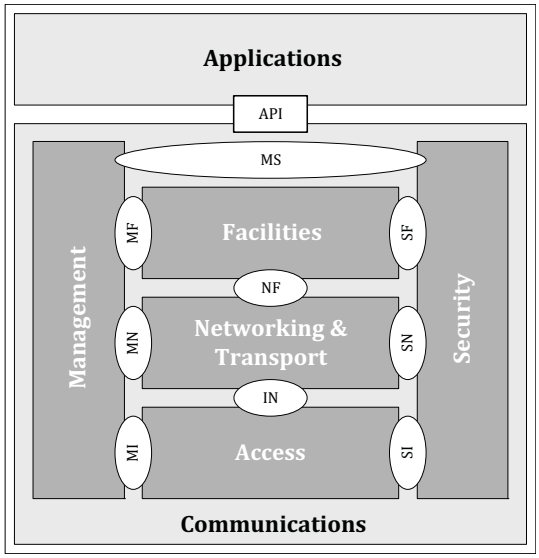

Figure 1 — ITS station reference architecture with named interfaces

INTERNATIONAL STANDARD ISO 21218:2013(E)

Intelligent transport systems — Communications access for land mobiles (CALM) — Access technology support

1 Scope

This International Standard determines general technical details related to the access layer of the ITS station reference architecture specified in ISO 21217 which are applicable to all or several access layer technologies. This includes especially the service access point (SAP) of a communication interface (CI) as provided by the communication adaptation layer (CAL) for communication. The SAP provided by the CI management adaptation entity (MAE) for management of the communication interface is specified by reference to ISO 24102-3.

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 8802-2, *Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements — Part 2: Logical link control*

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

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

ISO 24102-1, *Intelligent transport systems — Communications access for land mobiles (CALM) — ITS station management — Part 1: Local management*

ISO 24102-3: *Intelligent transport systems — Communications access for land mobiles (CALM) — ITS station management — Part 3: Service access points*

ISO 24102-4, *Intelligent transport systems — Communications access for land mobiles (CALM) — ITS station management — Part 4: Station-internal management communications*

ETSI TS 102 760-1, *Intelligent transport systems; Road Transport and Traffic Telematics (RTTT); Test specifications for ITS; Communications Access for Land Mobiles (CALM), Medium Service Access Points (ISO 21218); Part 1: Protocol Implementation Conformance Statement (PICS) proforma*

ETSI TS 102 760-2, *Intelligent transport systems; Road Transport and Traffic Telematics (RTTT); Test specifications for ITS; Communications Access for Land Mobiles (CALM), Medium Service Access Points (ISO 21218); Part 2: Test Suite Structure and Test Purposes (TSS & TP)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 8802-2, ISO 21217, ISO 24102-1, ISO 24102-3, ISO 24102-4 and the following apply.

3.1
(V)CI identifier
unique identifier of a (virtual) CI