

This is a preview of "ISO 24102-1:2013". [Click here to purchase the full version from the ANSI store.](#)

First edition
2013-07-01

Intelligent transport systems — Communications access for land mobiles (CALM) — ITS station management —

Part 1: Local management

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

Partie 1: Gestion locale



Reference number
ISO 24102-1:2013(E)

© ISO 2013

This is a preview of "ISO 24102-1:2013". [Click here to purchase the full version from the ANSI store.](#)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested 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

This is a preview of "ISO 24102-1:2013". Click here to purchase the full version from the ANSI store.

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Abbreviated terms	2
5 Requirements	2
6 CI basic management	3
6.1 General.....	3
6.2 CI status.....	3
6.3 Cross-CI prioritization.....	8
6.4 VCI I-Parameters.....	10
6.5 Regulatory information management.....	11
6.6 Manufacturer access.....	11
7 Congestion control	11
8 Neighbour list	13
9 Paths and flows	13
10 Legacy CI	15
10.1 Registration.....	15
10.2 CI states.....	16
11 Management data elements	16
11.1 ITS-SCU list.....	16
11.2 VCI list.....	16
11.3 VCI performance parameter list.....	16
11.4 Cross-CI prioritization list.....	17
11.5 Application requirements list.....	18
12 Conformance	19
13 Test methods	19
Annex A (normative) ASN.1 modules	20
Annex B (normative) Management parameters	23
Bibliography	28

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.

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

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. www.iso.org/patents

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*.

ISO 24102 consists of the following parts, under the general title *Intelligent transport systems — Communications access for land mobiles (CALM) — ITS station management*:

- *Part 1: Local management*
- *Part 3: Service access points*
- *Part 4: ITS station-internal management communications*
- *Part 5: Fast service advertisement protocol (FSAP)*

The following parts are under preparation:

- *Part 2: Remote management*
- *Part 6: Path and flow management*

This is a preview of "ISO 24102-1:2013". Click [here](#) to purchase the full version from the ANSI store.

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 part of ISO 24102 is part 1 of a multipart International Standard which determines the intelligent transport systems (ITS) local station management.

The ITS station management entity provides functionality related to the management of communication protocol layers and the security entity presented in the ITS station reference architecture specified in ISO 21217 and presented in [Figure 1](#), and in line with the general ITS architecture specified in ISO 21217.

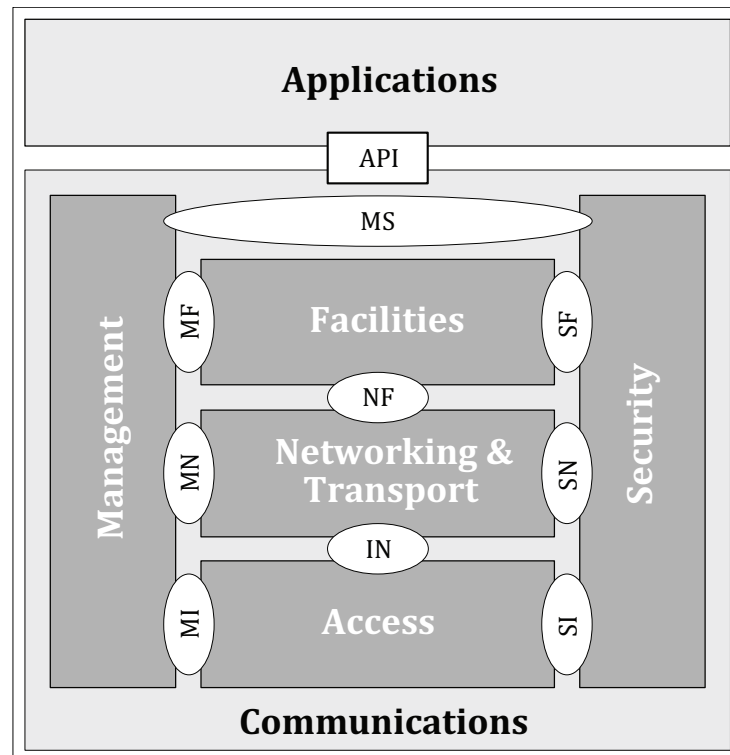


Figure 1 — ITS station reference architecture with named interfaces

ITS station management is specified as a distributed process, where no supervisory entity is employed.