

ILNAS

Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN ISO 17427-1:2018

Intelligent transport systems - Cooperative ITS - Part 1: Roles and responsibilities in the context of co- operative ITS architecture(s) (ISO)

Systèmes de transport intelligents -
Systèmes de transport coopératifs
intelligents - Partie 1: Rôles et
responsabilités dans le contexte des STI

Intelligente Transportsysteme -
Kooperative ITS - Teil 1: Rollen und
Verantwortlichkeiten im Zusammenhang
mit kooperativer(n) ITS-Architektur(en)



07/2018

National Foreword

This European Standard EN ISO 17427-1:2018 was adopted as Luxembourgish Standard ILNAS-EN ISO 17427-1:2018.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

<https://portail-qualite.public.lu/fr/normes-normalisation/participer-normalisation.html>

THIS PUBLICATION IS COPYRIGHT PROTECTED

Nothing from this publication may be reproduced or utilized in any form or by any mean - electronic, mechanical, photocopying or any other data carries without prior permission!

English Version

Intelligent transport systems - Cooperative ITS - Part 1:
Roles and responsibilities in the context of co-operative
ITS architecture(s) (ISO 17427-1:2018)

Systèmes intelligents de transport - Systèmes intelligents de transport coopératifs - Partie 1: Rôles et responsabilités dans le contexte des ITS fondés sur l'architecture (ISO 17427-1:2018)

Intelligente Transportsysteme - Kooperative ITS - Teil 1: Rollen und Verantwortlichkeiten im Zusammenhang mit kooperativer(n) ITS-Architektur(en) (ISO 17427-1:2018)

This European Standard was approved by CEN on 17 June 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

	Page
European foreword.....	3

European foreword

This document (EN ISO 17427-1:2018) has been prepared by Technical Committee ISO/TC 204 "Intelligent transport systems" in collaboration with Technical Committee CEN/TC 278 "Intelligent transport systems" the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2019, and conflicting national standards shall be withdrawn at the latest by January 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes CEN ISO/TS 17427:2014.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 17427-1:2018 has been approved by CEN as EN ISO 17427-1:2018 without any modification.

First edition
2018-06

Intelligent transport systems — Cooperative ITS —

Part 1: Roles and responsibilities in the context of co-operative ITS architecture(s)

*Systèmes intelligents de transport — Systèmes intelligents de
transport coopératifs —*

*Partie 1: Rôles et responsabilités dans le contexte des ITS fondés sur
l'architecture*



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, 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
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Abbreviated terms	5
5 Compliance	5
6 How to use this document	5
6.1 Roles and responsibilities in the context of Cooperative-ITS	5
6.2 Guidance for developers and implementers of <i>C-ITS</i> application standards	6
7 Introduction and theoretical framework	6
7.1 Use of ODP	6
7.2 Transferring ODP to roles and responsibilities for C-ITS	7
7.3 External enterprise objects	9
7.4 Internal enterprise objects	10
8 Roles and responsibilities	10
8.1 Introduction	10
8.2 Generic description of organizational architecture	10
8.2.1 System operation	10
8.2.2 Functional operation	11
8.2.3 System management	11
8.2.4 Policy framework	11
8.3 General responsibilities of actors involved in C-ITS	11
8.3.1 Registration and authorization	11
8.3.2 Privacy and data protection	12
8.4 Role — Functional operation	12
8.4.1 General	12
8.4.2 Sub-role — Generic functional operation	13
8.4.3 Sub-role — Specific functional operation	14
8.5 Role — System management	16
8.5.1 Sub-role — Service catalogue manager	16
8.5.2 Sub-role — C-ITS architect	16
8.5.3 Sub-role — Change manager	16
8.5.4 Sub-role — Test manager	16
8.5.5 Sub-role — Service level manager	16
8.5.6 Sub-role — Homologation manager	16
8.5.7 Sub-role — Compliance manager	16
8.5.8 Sub-role — Financial manager	16
8.5.9 Sub-role — Service owner	17
8.5.10 Sub-role — Project manager	17
8.5.11 Sub-role — Information security manager	17
8.5.12 Sub-role — Privacy manager	17
8.6 Role — System operation	17
8.6.1 Sub-role — Capacity manager	17
8.6.2 Sub-role — Availability manager	17
8.6.3 Sub-role — Technical analyst	17
8.6.4 Sub-role — Configuration manager	17
8.6.5 Sub-role — IT-operations manager	17
8.6.6 Sub-role — Access manager	17
8.7 Role — Policy framework	18
8.7.1 Sub-role — Non-regulatory policy institution	18