

Third edition
2021-02

**Intelligent transport systems — Traffic
and travel information messages via
traffic message coding —**

**Part 3:
Location referencing for Radio Data
System-Traffic Message Channel (RDS-
TMC) using ALERT-C**

*Systèmes de transport intelligents — Informations sur le trafic et le
tourisme via le codage de messages sur le trafic —*

*Partie 3: Références de localisants pour le système de radiodiffusion
de données (RDS) — Canal de messages d'informations sur le trafic
(RDS-TMC) avec ALERT-C*



Reference number
ISO 14819-3:2021(E)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021

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
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms, definitions and abbreviated terms	1
4 Location coding	2
4.1 General	2
4.2 Location tables	2
4.2.1 General	2
4.2.2 Versions and versioning of location tables	3
4.2.3 Exchanging location tables	3
4.2.4 Hierarchical structure	3
4.2.5 Location types	4
4.2.6 Offsets	5
4.2.7 Direction of the road	5
4.2.8 Country codes and location table numbers	5
4.2.9 Constraints	6
4.3 TMC location categories, types and subtypes	6
4.4 Location table content	6
4.4.1 General	6
4.4.2 Nominal record content	6
4.4.3 Road descriptions	11
4.4.4 Names	12
4.4.5 Upward references	12
4.4.6 Offsets	12
4.4.7 Urban	12
4.4.8 Intersection reference	12
4.4.9 WGS84 co-ordinates	13
4.4.10 InterruptsRoad	13
4.5 Detailed junction referencing	14
4.5.1 Conventional junctions	14
4.5.2 Complex junctions	14
4.5.3 Detailed coding of link roads	14
4.6 Detailed situation locations	14
4.6.1 Introduction	14
4.6.2 Normal location referencing	14
4.6.3 Detailed location referencing	15
4.6.4 Precise location referencing	15
4.7 One- and two-way locations	15
4.7.1 Basic principles	15
4.7.2 Junctions	15
4.7.3 Locations with only an exit or entry and locations occurring on one side only	15
4.7.4 DiversionPos/DiversionNeg	17
Annex A (normative) TMC location categories, types and subtypes	18
Annex B (informative) Location table identification	26
Annex C (normative) Detailed methods for the usage of location tables	32
Annex D (informative) Background information	67
Bibliography	69