

# ISO 14819-3:2021-02 (E)

## 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

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms, definitions and abbreviated terms .....</b>	<b>1</b>
<b>4</b>	<b>Location coding .....</b>	<b>2</b>
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

<b>Annex A (normative) TMC location categories, types and subtypes .....</b>	<b>18</b>
<b>Annex B (informative) Location table identification .....</b>	<b>26</b>
<b>Annex C (normative) Detailed methods for the usage of location tables .....</b>	<b>32</b>
<b>Annex D (informative) Background information .....</b>	<b>67</b>
<b>Bibliography .....</b>	<b>69</b>