

ISO 14819-3:2013-12 (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

Contents		Page
Foreword		v
Introduction		vii
1	Scope	1
2	Normative references	1
3	Abbreviated terms	1
4	Location coding	2
4.1	General	2
4.2	Location tables	3
4.2.1	General	3
4.2.2	Versions and versioning of location tables	3
4.2.3	Exchanging location tables	4
4.2.4	Hierarchical structure	4
4.2.5	Offsets	5
4.2.6	Location types	6
4.2.7	Direction of the road	6
4.2.8	Country codes and location table numbers	6
4.2.9	Constraints	7
4.3	TMC Location categories, types and subtypes	7
4.4	Location table content	7
4.4.1	General	7
4.4.2	Nominal record content	7
4.4.3	Road descriptions	12
4.4.4	Names	12
4.4.5	Upward references	12
4.4.6	Offsets	13
4.4.7	Urban	13
4.4.8	Intersection reference	13
4.4.9	WGS 84 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	15
4.6.1	Normal location referencing	15
4.6.2	Detailed location referencing	15
4.6.3	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 having only an exit or entry and locations occurring on one side only	15
	Annex A (normative) TMC Location categories, types and subtypes	18

A.1	General	18
A.2	Area locations	18
A.3	Linear locations	20
A.4	Point locations	22
Annex B (normative) Location table numbers		28
Annex C (normative) Detailed methods for the usage of location tables		31
C.1	Methods for referencing affected road sections	31
C.1.1	General	31
C.1.2	Pre-defined primary location + extent	31
C.1.3	Pre-defined primary and secondary locations	32
C.1.4	Distance markers (primary location + extent)	32
C.1.5	Distance markers (primary + secondary location)	33
C.1.6	Primary and secondary locations using pre-defined location, extent and distances	33
C.1.7	Primary and secondary locations using pre-defined locations + distances	34
C.1.8	Describing the extent of an event in ALERT-C	34
C.1.9	Co-ordinates (primary + secondary locations)	36
C.1.10	Proprietary referencing systems, e.g. GDF	36
C.1.11	Text location naming	36
C.1.12	Precise location referencing	36
C.2	Methods for referencing specific features	40
C.2.1	Parking facilities	40
C.2.2	Other isolated POIs	42
C.2.3	Parallel Roads	43
C.2.4	Interrupted Roads	45
C.3	Methods for identifying and exchanging location tables	46
C.3.1	Identifying versions of a location table	46
C.3.2	Exchanging location tables - the Location Table Exchange Format	46
Annex D (informative) Background information		66
D.1	Overall approach	66
D.1.1	General	66
D.1.2	Pre-defined locations	66
D.1.3	GDF features	67
Bibliography		Error! Bookmark not defined