

# ISO/TS 21219-21:2018-04 (E)

Intelligent transport systems - Traffic and travel information via transport protocol experts group, generation 2 (TPEG2) - Part 21: Geographic location referencing (TPEG-GLR)

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Abbreviated terms .....	2
5	Toolkit specific constraints .....	2
5.1	Version number signalling .....	2
5.2	Extendibility .....	2
6	GLR toolkit structure .....	2
6.1	General .....	2
6.2	Geographic bounding box location reference .....	3
6.3	Geographic bounding circle or sector of circle location reference .....	4
6.4	Geographic point location reference .....	5
6.5	Geographic line location reference .....	5
6.6	Geographic area location reference .....	6
7	GLR message components .....	7
7.1	GeographicLocationReference .....	7
8	GLR datatypes .....	7
8.1	CircleSector .....	7
8.2	GeographicAreaReference .....	7
8.3	GeographicBoundingBox .....	8
8.4	GeographicBoundingCircleSector .....	9
8.5	GeographicLineReference .....	9
8.6	GeographicPointReference .....	10
8.7	HierarchicalAreaName .....	11
8.8	Coordinate .....	11
9	GLR Tables .....	11
Annex A (normative)	Geographic location reference, TPEG-binary representation .....	12
Annex B (normative)	Geographic location reference, TPEG-ML representation .....	17
Bibliography .....		25