

ISO 21219-21:2025-01 (E)

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

Contents		Page
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	5
6.3	Geographic bounding circle or sector of circle location reference	5
6.4	Geographic point location reference	7
6.5	Geographic line location reference	7
6.6	Geographic area location reference	8
7	GLR toolkit components	9
7.1	GeographicLocationReference	9
8	GLR Datatypes	10
8.1	GeographicAreaReference	10
8.2	GeographicAreaWithHolesReference	10
8.3	GeographicBoundingBox	11
8.4	GeographicBoundingCircleSector	11
8.5	GeographicLineReference	12
8.6	GeographicPointReference	12
8.7	CircleSector	13
8.8	Coordinate	13
8.9	HierarchicalAreaName	14
8.10	Polygon	14
Annex A (normative) TPEG application, TPEG-binary representation		16
Annex B (normative) TPEG application, tpegML representation		23
Bibliography		29