

ISO 17572-4:2020-04 (E)

Intelligent transport systems (ITS) - Location referencing for geographic databases - Part 4: Precise relative location referen ces (precise relative profile)

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Abbreviated terms	2
5	Conformance	2
6	Requirements for a location referencing standard	2
7	Conceptual data model for LFMs	3
7.1	Role of conceptual model	3
7.2	Components of conceptual model	3
7.3	Description of the conceptual model	3
7.4	Location categories	3
7.5	Conceptual model of a road network	4
7.6	Conceptual model of area locations	5
8	Specification of LRs for precise relative information	5
8.1	General concept	5
8.1.1	Methods to be defined in this document	5
8.1.2	Concept of Method 1: Lane number counting	5
8.1.3	Concept of Method 2: Displacement from a reference point	6
8.2	Specification for contents delivering message	7
8.2.1	Structure of the message	7
8.2.2	Definition of the components	8
8.3	Use cases and examples of contents for location referencing messages	11
Annex A (normative)	Abstract test suite	12
Annex B (informative)	Basic lane model of a road	13
Annex C (informative)	Use cases for Precise Relative Location Referencing Method	14
Annex D (informative)	Use cases for elements of Precise Relative Location Referencing Method	17
Annex E (informative)	Implementation examples of Precise Relative Location Referencing Method	25
Bibliography		28