

ISO 17572-3:2015-01 (E)

Intelligent transport systems (ITS) - Location referencing for geographic databases - Part 3: Dynamic location references (dynamic profile)

Contents	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Abbreviated terms and attribute codes	4
4.1 Abbreviated terms	4
4.2 Attribute codes	5
5 Objectives and requirements for a location referencing method	6
6 Conceptual data model for location referencing methods	6
7 Specification of dynamic location references	6
7.1 General specification	6
7.2 Location referencing building blocks	7
7.2.1 General	7
7.2.2 Points	7
7.2.3 Attributes	8
7.2.4 Next-point relationship	15
7.2.5 Attribute type list	15
8 Encoding rules	15
8.1 General	15
8.2 General point representation and selection rules	21
8.3 Location reference core encoding rules	21
8.3.1 Location selection	21
8.3.2 Location reference core point selection	22
8.3.3 Core point selection -- Location points	22
8.3.4 Core point selection -- Intersection points	23
8.3.5 Core point selection -- Routing points	25
8.3.6 Intersection point attributes	27
8.3.7 Routing point attributes	28
8.3.8 Location reference core encoding parameters	29
8.4 Location reference extension encoding rules	29
8.4.1 General	29
8.4.2 Location reference extension necessity rules	30
8.4.3 Location reference extension point selection rules	30
8.4.4 Location reference extension encoding parameters	31
8.5 Coding of point locations	32
8.6 Coding of area locations	32
8.6.1 Coding of explicit area	32
8.6.2 Coding of implicit area	34
9 Logical data format specification	37
9.1 General	37

9.2	Data model definition	37
9.2.1	General	37
9.2.2	General data model	38
9.2.3	Linear location data model	38
9.2.4	Implicit area data model	39
9.2.5	Explicit area data model	40
	Annex A (informative) Dynamic location reference, TPEG2 logical structure	41
	Annex B (normative) Dynamic location reference, TPEG2 binary representation	58
	Annex C (normative) Dynamic location reference, TPEG2 XML representation	66
	Annex D (informative) Coding guidelines for dynamic location references	73
	Annex E (informative) Compressed data format specification	79
	Bibliography	103