

ISO 6709:2022-09 (E)

Standard representation of geographic point location by coordinates

Contents		Page
Foreword.....		iv
Introduction.....		vi
1 Scope.....		1
2 Normative references.....		1
3 Terms and definitions.....		1
4 Abbreviated terms and character code notations.....		4
4.1 Abbreviated terms.....		4
4.2 Character code notations.....		5
5 Conformance.....		5
6 Geographic point location (GPL) representation.....		5
6.1 Overview.....		5
6.2 Component representation.....		6
6.3 Coordinate tuple.....		6
6.4 Character string delimiters and terminator notation.....		7
6.5 CRS identifier structure.....		8
6.6 Text string representation.....		10
6.6.1 Background.....		10
6.6.2 Formatting rules for angular measures.....		10
6.6.3 Component structure.....		12
7 Human-readable GPL representation.....		16
7.1 Overview of human-readable GPL representation.....		16
7.2 General requirements of human-readable GPL representation.....		16
7.3 Formatted examples of human-readable text strings.....		18
Annex A (normative) Conformance and abstract test suite.....		20
Annex B (normative) Backwards compatible representation of geographic point location.....		23
Annex C (informative) Uniqueness of latitude and longitude coordinates.....		29
Annex D (informative) Latitude and longitude resolution.....		30
Annex E (informative) Changes compared to ISO 6709:2008.....		31
Annex F (normative) Character encodings.....		33
Bibliography.....		35