

ISO 19128:2005-12 (E)

Geographic information - Web map server interface

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Conformance	1
2.1 Conformance classes and requirements	1
2.2 Basic WMS	1
2.3 Queryable WMS	1
3 Normative references	1
4 Terms and definitions	2
5 Abbreviated terms	3
6 Basic service elements	4
6.1 Introduction	4
6.2 Version numbering and negotiation	4
6.3 General HTTP request rules	5
6.4 General HTTP response rules	7
6.5 Numeric and Boolean values	7
6.6 Output formats	8
6.7 Coordinate systems	8
6.8 Request parameter rules	12
6.9 Common request parameters	13
6.10 Service result	14
6.11 Service exceptions	14
7 Web Map Service operations	14
7.1 Introduction	14
7.2 GetCapabilities (mandatory)	14
7.3 GetMap (mandatory)	25
7.4 GetFeatureInfo (optional)	31
Annex A (normative) Conformance tests	34
Annex B (normative) CRS Definitions	37
Annex C (normative) Handling multi-dimensional data	44
Annex D (normative) Web Map Service profile of ISO 8601	50
Annex E (normative) XML Schemas	52
Annex F (normative) UML model	63
Annex G (informative) Web Mapping Examples	68
Annex H (informative) XML examples	71
Bibliography	76