

# DIN EN ISO 19128:2008-09 (E)

Geographic information - Web map server interface (ISO 19128:2005); English  
version EN ISO 19128:2008

---

Inhalt	Seite
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