

ISO 19118:2011-10 (E)

Geographic information - Encoding

| Contents | | Page |
|---|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Conformance | 1 |
| 2.1 | Introduction | 1 |
| 2.2 | Conformance classes related to encoding rules | 1 |
| 2.3 | Conformance classes related to encoding services | 1 |
| 3 | Normative references | 2 |
| 4 | Terms and definitions | 2 |
| 5 | Symbols and abbreviated terms | 6 |
| 6 | Fundamental concepts and assumptions | 7 |
| 6.1 | Concepts | 7 |
| 6.2 | Data interchange | 7 |
| 6.3 | Application schema | 8 |
| 6.4 | Encoding rule | 9 |
| 6.5 | Encoding service | 10 |
| 6.6 | Transfer service | 10 |
| 7 | Character repertoire | 11 |
| 8 | Generic instance model | 11 |
| 8.1 | Introduction | 11 |
| 8.2 | Relation between UML and the instance model | 14 |
| 9 | Encoding rules | 14 |
| 9.1 | Introduction | 14 |
| 9.2 | General encoding requirements | 15 |
| 9.3 | Input data structure | 17 |
| 9.4 | Output data structure | 17 |
| 9.5 | Conversion rules | 18 |
| 9.6 | Examples | 18 |
| 10 | Encoding service | 18 |
| Annex A (normative) XML-based encoding rule | | 20 |
| Annex B (normative) Abstract test suit | | 21 |
| Annex C (informative) XML-based encoding rule in use by communities | | 25 |
| Bibliography | | 68 |