Anexa nr. 1

la Regulamentul cu privire la normele

de aplicare care stabilesc modalitățile

tehnice de interoperabilitate și armonizare

a seturilor și serviciilor de date spațiale

**Referințele tehnice pentru crearea seturilor de date spațiale**

**din anexele 1-3 la Legea nr. 254 din 17 noiembrie 2016 cu privire**

**la infrastructura națională de date spațiale**

|  |  |  |
| --- | --- | --- |
| Nr.  crt. | Denumirea | Standardele din specificațiile pentru datele spațiale INSPIRE |
| **I. Seturile de date din anexa nr.1 la Legea nr. 254 din 17 noiembrie 2016**  **cu privire la infrastructura națională de date spațiale** | | |
| 1. | Sisteme de coordonate de referință | 1. SM IHO TRA 2.5 – Datumsandbenchmarks in IHO M3 Resolutions of theinternationalHydrographicOrganization; 2. SM IHO S32 – Hydrographic Dictionary, 5th edition; 3. SM IHO S44 – Standards for HydrographicSurveys, 5th edition; 4. SM ISO 2533 – International Standard Atmosphere; 5. SM ISO 6709 – Standard representation of geographicalpointpositionbycoordinates; 6. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 7. SM ISO 19111-2 – Geographic information – Spatial referencing by coordinates – Part 2: Extension for parametric values; 8. SM ISO 19115 – Geographic information – Metadata; 9. SM ISO/TS 19127 – Geographic information – Geodetic codes and parameters; 10. SM ISO 19135 – Geographic information – Procedures for item registration |
| 2. | Sisteme de caroiaj geografic | 1. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 2. SM ISO 19111-2 – Geographic information – Spatial referencing by coordinates – Part 2:Extention for parametric values; 3. SM ISO 19115 – Geographic information – Metadata; 4. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 5. SM ISO 19129 – Geographic information – Imagery, Griddedandcoverage data framework; 6. SM ISO 19135 – Geographic information – Procedures for item registration |
| 3. | Denumiri geografice | 1. SM ISO 15924 – Codes for the representation of names of scripts; 2. SM ISO 19107 – Geographic information – Spatial Schema; 3. SM ISO 19108 –­ Geographic information – Temporal Schema; 4. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 5. SM ISO 19111 –­Geographic information –Spatial referencing by coordinates; 6. SM ISO 19112 – Geographic information – Spatial referencing by geographic identifiers; 7. SM ISO 19113 – Geographic information – Quality principles; 8. SM ISO 19115 – Geographic information – Metadata; 9. SM ISO 19118 –­ Geographic information – Encoding; 10. SM ISO 19123 ­– Geographic information – Schema for coverage geometry and functions; 11. SM ISO 19125-1 –­ Geographic information – Simple feature access – Part 1: Common architecture; 12. SM ISO 19135 – Geographic information – Procedures for item registration; 13. SM ISO 19136 – Geographic information – Geography Markup Language (GML); 14. SM ISO 19137 ­– Geographic information – Core profile of the spatial schema; 15. SM ISO 19138 –­ Geographic information – Data quality measures; 16. SM ISO 19139 –­ Geographic information – Metadata – XML schema implementation; 17. SM ISO 19157 –­ Geographic information – Data quality; 18. SM ISO 639-2 –­ Codes for the representation of names of languages - Part 2: Alpha-3 Code; 19. SM ISO 639-3 ­– Codes for the representation of names of languages - Part 3: Alpha-3 code forcomprehensive coverage of languages; 20. SM ISO 639-5 – ­Codes for the representation of names of languages - Part 5: Alpha-3 code for language families and groups; 21. SM OGC 06-103r4 –­ Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 4. | Unități teritorial-administrative | 1. SM ISO 19107 ­– Geographic information – Spatial Schema; 2. SM ISO 19108 –­ Geographic information – Temporal Schema; 3. SM ISO 19108-c –­ Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 5. SM ISO 19113 ­– Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 –­ Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – ­Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 ­– Geographic information – Procedures for item registration; 11. SM ISO 19138 ­– Geographic information – Data quality measures; 12. SM ISO 19139 –­ Geographic information – Metadata – XML schema implementation; 13. SM ISO 19157 – Geographic information – Data quality; 14. SM ISO 3166-1 – Codes for the representation of names of countries and their subdivisions – Part 1: Country codes; 15. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 5. | Adrese | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – ­Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 5. SM ISO 19113 ­– Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures; 12. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO 19157 – Geographic information – Data quality; 14. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 6. | Terenuri | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 – Geographic information – Schema for coverage geometry and function; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures; 12. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO/DS 19152 – Geographic information – Land Administration Domain Model; 14. SM ISO 19157 – Geographic information – Data quality; 15. SM OGC 06-103r4 –­ Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 7. | Rețele de transport | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19113 – Geographic information – Quality principles; 3. SM ISO 19115 – Geographic information – Metadata; 4. SM ISO 19118 – Geographic information – Encoding; 5. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 6. SM ISO 19135 – Geographic information – Procedures for item registration; 7. SM ISO 19138 – Geographic information – Data quality measures; 8. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 9. SM ISO 19157 –Geographic information – Data quality; 10. SM OGC 06-103r4 –­ Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 8. | Hidrografie | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 –Geographic information – Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures; 12. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO 19157 – Geographic information – Data quality; 14. SM OGC 06-103r4 –­ Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 9. | Arii naturale protejate de stat și zone de protecție | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c –Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures; 12. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO 19157 – Geographic information – Data quality; 14. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| **II. Seturile de date din anexa nr.2 la Legea nr. 254 din 17 noiembrie 2016**  **cu privire la infrastructura națională de date spațiale** | | |
| 10. | Elevație | 1. SM ISO 19105 – Geographic information –Conformance and testing; 2. SM ISO 19107 – Geographic information – Spatial Schema; 3. SM ISO 19108 –Geographic information – Temporal Schema; 4. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 5. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 6. SM ISO 19113 – Geographic information – Quality principles; 7. SM ISO 19115 – Geographic information – Metadata; 8. SM ISO 19118 – Geographic information – Encoding; 9. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 10. SM ISO 19135 – Geographic information – Procedures for item registration (ISO 19135:2005); 11. SM ISO/TS 19138 – Geographic information – Data quality measures; 12. SM ISO/TS 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO/DIS 19157 – Geographic information – Data quality; 14. SM OGC 06-103r4 ­– Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 11. | Acoperire terestră | 1. SM ISO 19105 – Geographic information – Conformance and testing; 2. SM ISO 19107 – Geographic information – Spatial Schema; 3. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 4. SM ISO 19113 – Geographic information – Quality principles; 5. SM ISO 19115 – Geographic information – Metadata; 6. SM ISO 19118 – Geographic information – Encoding; 7. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 8. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 9. SM ISO 19135 – Geographic information – Procedures for item registration; 10. SM ISO 19138 – Geographic information – Data quality measures; 11. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 12. SM ISO 19144-1 – Geographic information – Part 1: Classification system structure |
| 12. | Ortoimagini | 1. SM ­ ISO/TS 19103 – Geographic information – Conceptual schema language; 2. SM ­ ISO 19107 – Geographic information – Spatial Schema; 3. SM ­ ISO 19108 – Geographic information – Temporal Schema; 4. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 5. SM ­ ISO 19109 – Geographic information – Rules for application schema; 6. SM ­ ISO 19111 – Geographic information – Spatial referencing by coordinates; 7. SM ­ ISO 19113 – Geographic information – Quality principles; 8. SM ISO 19115 – Geographic information – Metadata; 9. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 10. SM ISO/TS 19127 – Geographic information – Geodetic codes and parameters; 11. SM ISO 19131 – Geographic information – Data product specifications; 12. SM ISO/TS 19138 – Geographic information – Data quality measures; 13. SM ISO/TS 19139 – Geographic information – Metadata – XML schema implementation; 14. SM ISO 19156 – Geographic information – Observations and measurements; 15. SM ISO 19157 – Geographic information – Data quality; 16. SM OGC 06-103r3 –­ Implementation Specification for Geographic Information –Simple feature access – Part 1: Common Architecture v1.2.0 |
| 13. | Geologie | 1. SM ISO 19105 – Geographic information –Conformance and testing; 2. SM ISO 19105 – Geographic information – Conformance and testing ISO 19107, Geographic Information – Spatial Schema; 3. SM ISO 19108 – Geographic information – Temporal Schema; 4. SM ISO 19108-c –Geographic information – Temporal Schema, Technical Corrigendum 1; 5. SM ISO 19111 – Geographic information – Spatial referencing by coordinates (ISO 19111:2007); 6. SM ISO 19113 –Geographic information – Quality principles; 7. SM ISO 19115 – Geographic information – Metadata; 8. SM ISO 19118 –Geographic information – Encoding; 9. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 10. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 11. SM ISO 19135 – Geographic information – Procedures for item registration; 12. SM ISO 19138 –Geographic information – Data quality measures; 13. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 14. SM ISO 19157 – Geographic information – Data quality; 15. SM OGC 06-103r4 ­– Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| **III. Seturile de date din anexa nr.3 la Legea nr. 254 din 17 noiembrie 2016**  **cu privire la infrastructura națională de date spațiale** | | |
| 14. | Unități statistice | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19113 – Geographic information – Quality principles; 3. SM ISO 19115 – Geographic information – Metadata; 4. SM ISO 19118 – Geographic information – Encoding; 5. SM ISO 19138 – Geographic information – Data quality measures; 6. SM ISO 3166-1 – English country names and code elements; 7. SM OGC 10-070r2 –­ Georeferenced Table Joining Service Implementation Standard, OpenGIS standard; 8. SM OGC 09-110r3 – Web Coverage Service 2.0 interface standard, OpenGISstandard |
| 15. | Clădiri | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. [ISO 19118] ­ ISO 19118­, Geographic information – Encoding; 8. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 9. SM ISO 19135 – Geographic information – Procedures for item registration; 10. SM ISO 19138 – Geographic information – Data quality measures; 11. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 12. SM ISO 19157 – Geographic information – Data quality; 13. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 16. | Soluri | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c –Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures; 12. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO 19157 – Geographic information – Data quality; 14. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1; 15. SM ISO 19156 – Geographic information – Observation and Measurements; 16. SM ISO DIS 28258 – Soil Quality – Digital Exchange of Soil-Related data |
| 17. | Categorii de terenuri | 1. SM ISO 19105 – Geographic information – Conformance and testing; 2. SM ISO 19107 – Geographic information – Spatial Schema; 3. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 4. SM ISO 19115 – Geographic information – Metadata; 5. SM ISO 19118 – Geographic information – Encoding; 6. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 7. SM ISO 19135 SM – Geographic information – Procedures for item registration; 8. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 9. SM ISO 19157 – Geographic information – Data quality |
| 18. | Sănătate și siguranță umană | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information - Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 SM – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 –Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19135 – Geographic information – Procedures for item registration; 10. SM ISO 19138 – Geographic information – Data quality measures; 11. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 12. SM OGC 06-103r3 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.0 ; 13. SM ICD10 WHO –­ International Statistical Classification of Diseases and Related Health Problems 10th Revision |
| 19. | Servicii de utilități publice și alte servicii publice | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 –Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures; 12. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO 19157 – Geographic information – Data quality; 14. SM OGC 06-103r4 –­ Implementation Specification for Geographic Information– Simple feature access – Part 1: Common Architecture v1.2.1 |
| 20. | Instalații de monitorizare a mediului | 1. SM ISO 19105 – Geographic information –Conformance and testing; 2. SM ISO 19107 – Geographic information – Spatial Schema; 3. SM ISO 19108 – Geographic information – Temporal Schema; 4. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 5. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 6. SM ISO 19113 – Geographic information – Quality principles; 7. SM ISO 19115 – Geographic information – Metadata; 8. SM ISO 19118 – Geographic information – Encoding; 9. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 10. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 11. SM ISO 19135 – Geographic information – Procedures for item registration; 12. SM ISO 19138 – Geographic information – Data quality measures; 13. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 14. SM ISO 19156 – Geographic information – Observations and measurements; 15. SM ISO 19157 – Geographic information – Data quality; 16. SM OGC 06-103r4 – Implementation Specification for Geographic Information –Simple feature access – Part 1: Common Architecture v1.2.1 |
| 21. | Instalații de producție și industriale | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information –Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures ISO 19139 Geographic information – Metadata – XML schema implementation; 12. SM ISO 19157 – Geographic information – Data quality; 13. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 22. | Instalații agricole și pentru acvacultură | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures; 12. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO 19157 – Geographic information – Data quality; 14. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 23. | Repartizarea populației – demografie | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 3. SM ISO 19113 – Geographic information – Quality principles; 4. SM ISO 19115 – Geographic information – Metadata; 5. SM ISO 19138 – Geographic information – Data quality measures |
| 24. | Zone de administrare/reglementare și unități de raportare | 1. SM ISO 19105 – Geographic information – Conformance and testing; 2. SM ISO 19107 – Geographic information – Spatial Schema; 3. SM ISO 19108 – Geographic information – Temporal Schema; 4. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 5. SM ISO 19111 – Geographic information–Spatial referencing by coordinates; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19135 – Geographic information – Procedures for item registration; 9. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 10. SM ISO 19157 – Geographic information – Data quality; 11. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 25. | Zone de risc natural | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures; 12. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO 19157 – Geographic information – Data quality; 14. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 26. | Condiții atmosferice | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information – Spatial referencing by coordinates (SM ISO 19111); 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures; 12. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO 19157 – Geographic information – Data quality; 14. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1; 15. SM ISO 19109 – Geographic information – Rules for application schemas; 16. SM ISO 19156 – Geographic information – Observations and measurements; 17. WMO 306 – Manual on Codes WMO - No 306, Volumes I.1 and I.2, World Meteorological Organization, ISBN 978-92-63-10306-2; 18. WMO Manual on the Global Observing System (WMO-No 544); 19. WMO Manual on the Global Data-processing and Forecasting System (WMO-No. 485); 20. WMO Manual on the WIS (subject to WMO Congress-XVI 2011 approval). |
| 27. | Caracteristici geografice meteorologice | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures; 12. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO 19157 – Geographic information – Data quality; 14. SM OGC 06-103r4 – Implementation Specification for Geographic Information –Simple feature access – Part 1: Common Architecture v1.2.1; 15. SM ISO 19109 – Geographic Information – Rules for application schemas; 16. SM ISO 19156 – Geographic information – Observations and measurements; 17. WMO 306 Manual on Codes WMO - No 306, Volumes I.1 and I.2, World Meteorological Organization, ISBN 978-92-63-10306-2; 18. WMO Manual on the Global Observing System (WMO-No 544); 19. WMO Manual on the Global Data-processing and Forecasting System (WMO-No. 485);   20)WMO Manual on the WIS (subject to WMO Congress-XVI 2011 approval) |
| 28. | Regiuni biogeografice | 1. SM ISO 19105 – Geographic information – Conformance and testing; 2. SM ISO 19107 – Geographic information – Spatial Schema; 3. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 4. SM ISO 19115 – Geographic information – Metadata; 5. SM ISO 19118 – Geographic information – Encoding; 6. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 7. SM ISO 19135 – Geographic information – Procedures for item registration; 8. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 9. SM ISO 19157 – Geographic information – Data quality; 10. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 29. | Habitate | 1. SM ISO 19105 – Geographic information –Conformance and testing; 2. SM ISO 19107 – Geographic information – Spatial Schema; 3. SM ISO 19111 – Geographic information –Spatial referencing by coordinates; 4. SM ISO 19113 – Geographic information – Quality principles; 5. SM ISO 19115 – Geographic information – Metadata; 6. SM ISO 19118 – Geographic information – Encoding; 7. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 8. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 9. SM ISO 19135 – Geographic information – Procedures for item registration; 10. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 11. SM ISO 19157 – Geographic information – Data quality; 12. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 30. | Arealul speciilor | 1. SM ISO 19105 – Geographic information –Conformance and testing; 2. SM ISO 19107 – Geographic information – Spatial Schema; 3. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 4. SM ISO 19115 – Geographic information – Metadata; 5. SM ISO 19118 – Geographic information – Encoding; 6. SM ISO 19119 – Geographic information – Services; 7. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 8. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 9. SM ISO 19135 – Geographic information – Procedures for item registration; 10. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 11. SM ISO 19157 – Geographic information – Data quality; 12. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 31. | Resurse energetice | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information - Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures; 12. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO 19157 – Geographic information – Data quality; 14. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |
| 32. | Resurse minerale | 1. SM ISO 19107 – Geographic information – Spatial Schema; 2. SM ISO 19108 – Geographic information – Temporal Schema; 3. SM ISO 19108-c – Geographic information – Temporal Schema, Technical Corrigendum 1; 4. SM ISO 19111 – Geographic information – Spatial referencing by coordinates; 5. SM ISO 19113 – Geographic information – Quality principles; 6. SM ISO 19115 – Geographic information – Metadata; 7. SM ISO 19118 – Geographic information – Encoding; 8. SM ISO 19123 – Geographic information – Schema for coverage geometry and functions; 9. SM ISO 19125-1 – Geographic information – Simple feature access – Part 1: Common architecture; 10. SM ISO 19135 – Geographic information – Procedures for item registration; 11. SM ISO 19138 – Geographic information – Data quality measures; 12. SM ISO 19139 – Geographic information – Metadata – XML schema implementation; 13. SM ISO 19157 – Geographic information – Data quality; 14. SM OGC 06-103r4 – Implementation Specification for Geographic Information – Simple feature access – Part 1: Common Architecture v1.2.1 |