Приложение № 1

к Положению о правилах применения, устанавливающих технические методы обеспечения интероперабельности и совместимости наборов и сервисов пространственных данных, а также сроках их внедрения

Технические ссылки для создания пространственных данных из приложений

 1 – 3 к Закону № 254 от 17 ноября 2016 года о национальной инфраструктуре пространственных данных

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| №п/п | Наименование | Стандарты из спецификаций пространственных данных INSPIRE |
| I. Наборы пространственных данных из приложения 1 к Закону № 254 от 17 ноября 2016 года о национальной инфраструктуре пространственных данных |
| 1. | Системы координат | 1. 1) SM IHO TRA 2.5 – Datums and benchmarks in IHO M3 Resolutions of the international Hydrographic Organization;
2. 2) SM IHO S32 – Hydrographic Dictionary, 5th edition;
3. 3) SM IHO S44 – Standards for Hydrographic Surveys, 5th edition;
4. 4) SM ISO 2533 – International Standard Atmosphere;
5. 5) SM ISO 6709 – Standard representation of geographical point position by coordinates;
6. 6) SM ISO 19111 – Geographic Information – Spatial referencing by coordinates;
7. 7) SM ISO 19111-2 – Geographic Information – Spatial referencing by coordinates – Part 2: Extension for parametric values;
8. 8) SM ISO 19115 – Geographic Information – Metadata;
9. 9) SM ISO/TS 19127 – Geographic Information – Geodetic codes and parameters;
10. 10) SM ISO 19135 – Geographic Information – Procedures for item registration;
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| 2. | Системы географических сеток | 1. 1) SM ISO 19111 – Geographic Information – Spatial referencing by coordinates;
2. 2) SM ISO 19111-2 – Geographic Information – Spatial referencing by coordinates – Part 2:Extention for parametric values;
3. 3) SM ISO 19115 – Geographic Information – Metadata;
4. 4) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
5. 5) SM ISO 19129 – Geographic Information – Imagery, Gridded and coverage data framework;
6. 6) SM ISO 19135 – Geographic Information – Procedures for item registration
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| 3. | Географические названия | 1. 1) SM ISO 15924 – Codes for the representation of names of scripts;
2. 2) SM ISO 19107 – Geographic Information – Spatial Schema;
3. 3) SM ISO 19108 –­ Geographic Information – Temporal Schema;
4. 4) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
5. 5) SM ISO 19111 –­Geographic information - Spatial referencing by coordinates;
6. 6) SM ISO 19112 – Geographic information – Spatial referencing by geographic identifiers;
7. 7) SM ISO 19113 – Geographic Information – Quality principles;
8. 8) SM ISO 19115 – Geographic information – Metadata;
9. 9) SM ISO 19118 –­ Geographic information – Encoding;
10. 10) SM ISO 19123 ­– Geographic Information – Schema for coverage geometry and functions;
11. 11) SM ISO 19125-1 –­ Geographic Information – Simple feature access – Part 1: Common architecture;
12. 12) SM ISO 19135 – Geographic information – Procedures for item registration;
13. 13) SM ISO 19136 – Geographic information - Geography Markup Language (GML);
14. 14) SM ISO 19137 ­– Geographic information -- Core profile of the spatial schema;
15. 15) SM ISO 19138 –­ Geographic Information – Data quality measures;
16. 16) SM ISO 19139 –­ Geographic information – Metadata – XML schema implementation;
17. 17) SM ISO 19157 –­ Geographic information – Data quality;
18. 18) SM ISO 639-2 –­ Codes for the representation of names of languages - Part 2: Alpha- 3 Code;
19. 19) SM ISO 639-3 ­– Codes for the representation of names of languages - Part 3: Alpha- 3 code for comprehensive coverage of languages;
20. 20) SM ISO 639-5 – ­Codes for the representation of names of languages - Part 5: Alpha- 3 code for language families and groups;
21. 21) SM OGC 06-103r4 –­ Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 4. | Административно-территориальныеединицы  | 1. 1) SM ISO 19107 ­– Geographic Information – Spatial Schema;
2. «) SM ISO 19108 –­ Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c –­ Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4)) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 ­– Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 –­ Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – ­Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 ­– Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 ­– Geographic Information – Data quality measures;
12. 12) SM ISO 19139 –­ Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO 19157 – Geographic information – Data quality;
14. 14) SM ISO 3166-1 – Codes for the representation of names of countries and their subdivisions – Part 1: Country codes;
15. 15) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 5. | Адреса | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – ­Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 ­– Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO 19157 – Geographic information – Data quality;
14. 14) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 6. | Земельные участки | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and function;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO/DS 19152 – Geographic Information – Land Administration Domain Model;
14. 14) SM ISO 19157 – Geographic information – Data quality;
15. 15) SM OGC 06-103r4 –­ Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1.
 |
| 7. | Транспортные сети | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19113 – Geographic Information – Quality principles;
3. 3) SM ISO 19115 – Geographic information – Metadata;
4. 4) SM ISO 19118 – Geographic information – Encoding;
5. 5) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
6. 6) SM ISO 19135 – Geographic information – Procedures for item registration;
7. 7) SM ISO 19138 – Geographic Information – Data quality measures;
8. 8) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
9. 9) SM ISO 19157 – Geographic information – Data quality;
10. 10) M OGC 06-103r4 –­ Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1.
 |
| 8. | Гидрография | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO 19157 – Geographic information – Data quality;
14. 14) SM OGC 06-103r4 –­ Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 9. | Природные территории, охраняемые государством и охранные зоны | 1. 1)SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c –Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO 19157 – Geographic information – Data quality;
14. 14) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
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| II. Наборы данных из приложения 2 к Закону № 254 от 17 ноября 2016 года о национальной инфраструктуре пространственных данных |
| 10. | Рельеф | 1. 1) SM ISO 19105 – Geographic information -- Conformance and testing;
2. 2) SM ISO 19107 – Geographic Information – Spatial Schema;
3. 3) SM ISO 19108 – Geographic Information – Temporal Schema;
4. 4) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
5. 5) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
6. 6) SM ISO 19113 – Geographic Information – Quality principles;
7. 7)SM ISO 19115 – Geographic information – Metadata;
8. 8) SM ISO 19118 – Geographic information – Encoding;
9. 9) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration (ISO 19135:2005);
11. 11) SM ISO/TS 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO/TS 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO/DIS 19157 – Geographic information – Data quality;
14. 14) SM OGC 06-103r4 ­– Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 111. |   Земной покров | 1. 1) SM ISO 19105 – Geographic Information – Conformance and testing;
2. 2) SM ISO 19107 – Geographic Information – Spatial Schema;
3. 3) SM ISO 19111 – Geographic Information – Spatial referencing by coordinates;
4. 4) SM ISO 19113 – Geographic Information – Quality principles;
5. 5) SM ISO 19115 – Geographic Information – Metadata;
6. 6) SM ISO 19118 – Geographic Information – Encoding;
7. 7) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
8. 8) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
9. 9) SM ISO 19135 – Geographic Information – Procedures for item registration;
10. 10) SM ISO 19138 – Geographic Information – Data quality measures;
11. 11) SM ISO 19139 – Geographic Information – Metadata – XML schema implementation;
12. 12) SM ISO 19144-1 – Geographic Information – Part 1: Classification system structure
 |
| 12. | Ортоизображения | 1. 1) SM ­ ISO/TS 19103 – Geographic information – Conceptual schema language;
2. 2) SM ­ ISO 19107 – Geographic Information – Spatial Schema;
3. 3) SM ­ ISO 19108 – Geographic Information – Temporal Schema;
4. 4) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
5. 5) SM ­ ISO 19109 – Geographic information – Rules for application schema;
6. 6) SM ­ ISO 19111 – Geographic information - Spatial referencing by coordinates;
7. 7) SM ­ ISO 19113 – Geographic Information – Quality principles;
8. 8) SM ISO 19115 – Geographic information – Metadata;
9. 9) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
10. 10) SM ISO/TS 19127 – Geographic information – Geodetic codes and parameters;
11. 11) SM ISO 19131 – Geographic Information – Data product specifications;
12. 12) SM ISO/TS 19138 – Geographic Information – Data quality measures;
13. 13) SM ISO/TS 19139 – Geographic information – Metadata – XML schema implementation;
14. 14) SM ISO 19156 – Geographic information – Observations and measurements;
15. 15) SM ISO 19157 – Geographic information – Data quality;
16. 16) SM OGC 06-103r3 –­ Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.0
 |
| 13. | Геология | 1. 1) SM ISO 19105 – Geographic information -- Conformance and testing;
2. 2) SM ISO 19105 – Geographic information -- Conformance and testing ISO 19107, Geographic Information – Spatial Schema;
3. 3) SM ISO 19108 – Geographic Information – Temporal Schema;
4. 4) SM ISO 19108-c –Geographic Information – Temporal Schema, Technical Corrigendum 1;
5. 5) SM ISO 19111 – Geographic information - Spatial referencing by coordinates (ISO 19111:2007);
6. 6) SM ISO 19113 – Geographic Information – Quality principles;
7. 7) SM ISO 19115 – Geographic information – Metadata;
8. 8) SM ISO 19118 – Geographic information – Encoding;
9. 9) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
10. 10)SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
11. 11) SM ISO 19135 – Geographic information – Procedures for item registration;
12. 12) SM ISO 19138 – Geographic Information – Data quality measures;
13. 13) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
14. 14) SM ISO 19157 – Geographic information – Data quality;
15. 15) SM OGC 06-103r4 ­– Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| III.Наборы данных из приложения 3 к Закону № 254 от 17 ноября 2016 года о национальной инфраструктуре пространственных данных |
| 14. | Статистические единицы | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19113 – Geographic Information – Quality principles;
3. 3) SM ISO 19115 – Geographic information – Metadata;
4. 4) SM ISO 19118 – Geographic information – Encoding;
5. 5) SM ISO 19138 – Geographic Information – Data quality measures;
6. 6) SM ISO 3166-1 – English country names and code elements;
7. 7) SM OGC 10-070r2 –­ Georeferenced Table Joining Service Implementation Standard, OpenGIS standard;
8. 8) SM OGC 09-110r3 – Web Coverage Service 2.0 interface standard, OpenGIS standard
 |
| 15. | Строения | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal
4. 4) Schema, Technical Corrigendum 1;
5. 5) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
6. 6) SM ISO 19113 – Geographic Information – Quality principles;
7. 7) SM ISO 19115 – Geographic information – Metadata;
8. [ISO 19118] ­ ISO 19118­, Geographic information – Encoding;
9. 8) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 9) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 10) SM ISO 19138 – Geographic Information – Data quality measures;
12. 11) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 12) SM ISO 19157 – Geographic information – Data quality;
14. 13) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 16. | Почвы | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO 19157 – Geographic information – Data quality;
14. 14) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1;
15. 15) SM ISO 19156 – Geographic Information – Observation and Measurements;
16. 16) SM ISO DIS 28258 – Soil Quality – Digital Exchange of Soil-Related data
 |
| 17. | Категории земельных участков | 1. 1) SM ISO 19105 – Geographic information -- Conformance and testing;
2. 2) SM ISO 19107 – Geographic Information – Spatial Schema;
3. 3) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
4. 4) SM ISO 19115 – Geographic information – Metadata;
5. 5) SM ISO 19118 – Geographic information – Encoding;
6. 6) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
7. 7) SM ISO 19135 SM – Geographic information – Procedures for item registration;
8. 8) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
9. 9) SM ISO 19157 – Geographic information – Data quality.
 |
| 18. | Здоровье и безопасность человека | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 SM – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19135 – Geographic information – Procedures for item registration;
10. 10) SM ISO 19138 – Geographic Information – Data quality measures;
11. 11) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
12. 12) SM OGC 06-103r3 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.0 ;
13. 13) SM ICD10 WHO –­ International Statistical Classification of Diseases and Related Health Problems 10th Revision.
 |
| 19. | Общественные услуги и социальные услуги | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO 19157 – Geographic information – Data quality;
14. 14) SM OGC 06-103r4 –­ Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 20. | Сооружения для мониторинга окружающей среды | 1. 1) SM ISO 19105 – Geographic information -- Conformance and testing;
2. 2) SM ISO 19107 – Geographic Information – Spatial Schema;
3. 3) SM ISO 19108 – Geographic Information – Temporal Schema;
4. 4) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
5. 5) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
6. 6) SM ISO 19113 – Geographic Information – Quality principles;
7. 7) SM ISO 19115 – Geographic information – Metadata;
8. 8) SM ISO 19118 – Geographic information – Encoding;
9. 9) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
10. 10) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
11. 11) SM ISO 19135 – Geographic information – Procedures for item registration;
12. 12) SM ISO 19138 – Geographic Information – Data quality measures;
13. 13) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
14. 14) SM ISO 19156 – Geographic information - Observations and measurements;
15. 15) SM ISO 19157 – Geographic information – Data quality;
16. 16) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 21. | Производственные и индустриальные сооружения | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures ISO 19139 Geographic information – Metadata – XML schema implementation;
12. 12) SM ISO 19157 – Geographic information – Data quality;
13. 13) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 22. | Сооружения сельского хозяйства и аквакультуры | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO 19157 – Geographic information – Data quality;
14. 14) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 23. | Распределение населения, демография | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
3. 3) SM ISO 19113 – Geographic Information – Quality principles;
4. 4) SM ISO 19115 – Geographic information – Metadata;
5. 5) SM ISO 19138 – Geographic Information – Data quality measures
 |
| 24. | Зоны управления/регулирования и единицы отчетности  | 1. 1) SM ISO 19105 – Geographic information -- Conformance and testing;
2. SM ISO 19107 – Geographic Information – Spatial Schema;
3. 3) SM ISO 19108 – Geographic Information – Temporal Schema;
4. 4) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
5. 5) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19135 – Geographic information – Procedures for item registration;
9. 9) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
10. 10) SM ISO 19157 – Geographic information – Data quality;
11. 11) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 25. | Зоны природных рисков | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO 19157 – Geographic information – Data quality;
14. 14) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 26. | Атмосферные условия | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates (SM ISO 19111);
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO 19157 – Geographic information – Data quality;
14. 14) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1.;
15. 15) SM ISO 19109 – Geographic Information — Rules for application schemas;
16. 16) SM ISO 19156 – Geographic information - Observations and measurements;
17. 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. 18) WMO Manual on the Global Observing System (WMO-No 544);
19. 19) WMO Manual on the Global Data-processing and Forecasting System (WMO-No. 485);
20. 20) WMO Manual on the WIS (subject to WMO Congress-XVI 2011 approval)
 |
| 27. | Метеорологические особенности местности | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO 19157 – Geographic information – Data quality;
14. 14) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1.;
15. 15) SM ISO 19109 – Geographic Information — Rules for application schemas;
16. 16) SM ISO 19156 – Geographic information - Observations and measurements;
17. 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. 18) WMO Manual on the Global Observing System (WMO-No 544);
19. 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. | Биогеографическое районирование | 1. 1) SM ISO 19105 – Geographic information -- Conformance and testing;
2. 2) SM ISO 19107 – Geographic Information – Spatial Schema;
3. 3) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
4. 4) SM ISO 19115 – Geographic information – Metadata;
5. 5) SM ISO 19118 – Geographic information – Encoding;
6. 6) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
7. 7) SM ISO 19135 – Geographic information – Procedures for item registration;
8. 8) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
9. 9) SM ISO 19157 – Geographic information – Data quality;
10. 10) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1.
 |
| 29. | Места обитания  | 1. 1) SM ISO 19105 – Geographic information -- Conformance and testing;
2. 2) SM ISO 19107 – Geographic Information – Spatial Schema;
3. 3) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
4. 4) SM ISO 19113 – Geographic Information – Quality principles;
5. 5) SM ISO 19115 – Geographic information – Metadata;
6. 6) SM ISO 19118 – Geographic information – Encoding;
7. 7) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
8. 8) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
9. 9) SM ISO 19135 – Geographic information – Procedures for item registration;
10. 10) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
11. 11) SM ISO 19157 – Geographic information – Data quality;
12. 12) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1.
 |
| 30. | Биологическое разнообразие | 1. 1) SM ISO 19105 – Geographic information -- Conformance and testing;
2. 2) SM ISO 19107 – Geographic Information – Spatial Schema;
3. 3) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
4. 4) SM ISO 19115 – Geographic information – Metadata;
5. 5) SM ISO 19118 – Geographic information – Encoding;
6. 6) SM ISO 19119 – Geographic information – Services;
7. 7) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
8. 8) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
9. 9) SM ISO 19135 – Geographic information – Procedures for item registration;
10. 10) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
11. 11) SM ISO 19157 – Geographic information – Data quality;
12. 12) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 31. | Энергетические ресурсы | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO 19157 – Geographic information – Data quality;
14. 14) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
 |
| 32. | Минеральные ресурсы | 1. 1) SM ISO 19107 – Geographic Information – Spatial Schema;
2. 2) SM ISO 19108 – Geographic Information – Temporal Schema;
3. 3) SM ISO 19108-c – Geographic Information – Temporal Schema, Technical Corrigendum 1;
4. 4) SM ISO 19111 – Geographic information - Spatial referencing by coordinates;
5. 5) SM ISO 19113 – Geographic Information – Quality principles;
6. 6) SM ISO 19115 – Geographic information – Metadata;
7. 7) SM ISO 19118 – Geographic information – Encoding;
8. 8) SM ISO 19123 – Geographic Information – Schema for coverage geometry and functions;
9. 9) SM ISO 19125-1 – Geographic Information – Simple feature access – Part 1: Common architecture;
10. 10) SM ISO 19135 – Geographic information – Procedures for item registration;
11. 11) SM ISO 19138 – Geographic Information – Data quality measures;
12. 12) SM ISO 19139 – Geographic information – Metadata – XML schema implementation;
13. 13) SM ISO 19157 – Geographic information – Data quality;
14. 14) SM OGC 06-103r4 – Implementation Specification for Geographic Information - Simple feature access – Part 1: Common Architecture v1.2.1
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