공간정보 분야 국제표준(ISO, OGC) 현황

1 ISO 표준 현황

2018.04.12.기준

번호	표준번호	표준명	제정	개정
1	ISO 6709	Standard representation of geographic point location by coordinates	1983	2008
2	ISO 6709/Cor1	Standard representation of geographic point location by coordinates	2009	
3	ISO 19101-1	Reference model -- Part 1: Fundamentals	2002	2014
4	ISO/TS 19101-2	Reference Model- Part2:Imagery	2008	
5	ISO 19103	Conceptual schema language	2005	2015
6	ISO 19104	Terminology	2008	2016
7	ISO 19105	Conformance and testing	2000	
8	ISO 19106	Profiles	2004	
9	ISO 19107	Spatial schema	2003	
10	ISO 19108	Temporal schema	2002	
11	ISO 19108/Cor1	Temporal schema	2006	
12	ISO 19109	Rules for application schema	2005	2015
13	ISO 19110	Methodology for feature cataloguing	2005	2016
14	ISO 19111	Spatial referencing by coordinates	2003	2007
15	ISO 19111-2	Spatial referencing by coordinates -- Part 2: Extension for parametric values	2009	
16	ISO 19112	Spatial referencing by geographic identifiers	2003	
17	ISO 19115-1	Metadata -- Part 1: Fundamentals	2003	2014
18	ISO 19115-1/Amd1	Metadata -- Part 1: Fundamentals	2018	
19	ISO 19115-2	Metadata -- Part 2: Extensions for imagery and	2009	

번호	표준번호	표준명	제정	개정
		gridded data		
20	ISO/TS 19115-3	Metadata -- Part 3: XML schema implementation for fundamental concepts	2016	
21	ISO 19116	Positioning services	2004	
22	ISO 19117	Portrayal	2005	2012
23	ISO 19118	Encoding	2005	2011
24	ISO 19119	Services	2005	2016
25	ISO/TR 19120	Functional standards	2001	
26	ISO/TR 19121	Imagery and gridded data	2000	
27	ISO/TR 19122	Qualification and certification of personnel	2004	
28	ISO 19123	Schema for coverage geometry and functions	2005	
29	ISO 19125-1	Simple feature access-Part1 : Common architecture	2004	
30	ISO 19125-2	Simple feature access-Part2 : SQL option	2004	
31	ISO 19126	Feature concept dictionaries and registers	2009	
32	ISO/TS 19127	Geodetic codes and parameters	2005	
33	ISO 19128	Web map server interface	2005	
34	ISO/TS 19129	Imagery, gridded and coverage data framework	2009	
35	ISO/TS 19130	Imagery sensor models for geopositioning	2010	
36	ISO/TS 19130-2	Imagery sensor models for geopositioning -- Part 2: SAR, InSAR, lidar and sonar	2014	
37	ISO 19131	Data Product specifications	2007	
38	ISO 19131/Amd1	Requirements relating to the inclusion of an application schema and feature catalogue and the treatment of coverages in an application schema.	2011	
39	ISO 19132	Location-based services-Reference model	2007	
40	ISO 19133	Location-based services-Tracking and navigation	2005	

번호	표준번호	표준명	제정	개정
41	ISO 19134	Location-based services-multimodel routing and navigation	2007	
42	ISO 19135-1	Procedures for item registration -Part 1: Fundamentals	2005	2015
43	ISO/TS 19135-2	Procedures for item registration -- Part 2: XML schema implementation	2012	2015
44	ISO 19136	Geography Markup Language(GML)	2007	
45	ISO 19136-2	Geography Markup Language(GML) -- Part 2: Extended schemas and encoding rules	2015	
46	ISO 19137	Core profile of the spatial schema	2007	
47	ISO/TS 19139	Metadata -- XML schema implementation	2007	
48	ISO/TS 19139-2	Metadata -- XML schema implementation -- Part 2: Extensions for imagery and gridded data	2012	
49	ISO 19141	schema for moving features	2008	
50	ISO 19142	Web Feature Service	2010	
51	ISO 19143	Filter encoding	2010	
52	ISO 19144-1	Classification systems -- Part 1: Classification system structure	2009	
53	ISO 19144-1/Cor1	Corrigendum1	2012	
54	ISO 19144-2	Classification systems -- Part 2: Land Cover Meta Language (LCML)	2012	
55	ISO 19145	Registry of representations of geographic point location	2013	
56	ISO 19146	Cross-domain vocabularies	2010	
57	ISO 19147	Transfer Nodes	2015	
58	ISO 19148	Linear referencing	2012	
59	ISO 19149	Rightsexpressionlanguageforgeographicinformation --GeoREL	2011	
60	ISO/TS 19150-1	Ontology -- Part 1: Framework	2012	
61	ISO 19150-2	Ontology - Part 2: Rules for developing ontologies in the Web Ontology Language (OWL)	2015	
62	ISO 19152	Land Administration Domain Model(LADM)	2012	

번호	표준번호	표준명	제정	개정
63	ISO 19153	Geospatial Digital Rights Management Reference Model(GeoDRMRM)	2014	
64	ISO 19154	Ubiquitous public access -- Reference model	2014	
65	ISO 19155	Place Identifier (PI) architecture	2012	
66	ISO 19155-2	Place Identifier (PI) architecture-part 2: Place Identifier (PI) Linking	2017	
67	ISO 19156	Observations and measurements	2011	
68	ISO 19157	Data quality	2013	
69	ISO 19157/Amd1	Describing data quality using coverages	2018	
70	ISO/TS 19157-2	Data quality -- Part 2: XML schema implementation	2016	
71	ISO/TS 19158	Quality assurance of data supply	2012	
72	ISO/TS 19159-1	Calibration and validation of remote sensing imagery sensors and data -- Part 1: Optical sensors	2014	
73	ISO/TS 19159-2	Geographic information -- Calibration and validation of remote sensing imagery sensors and data -- Part 2: Lidar	2016	
74	ISO 19160-1	Addressing-Part 1: Conceptual model	2015	
75	ISO 19160-4	Addressing-Part 4: International postal address components and template language	2017	
76	ISO 19162	Geographic information-Well-known text representation of coordinate reference systems	2015	
77	ISO/TS 19163-1	Geographic information-Content components and encoding rules for imagery and gridded data-Part 1:Content model	2016	

2 ISO TC 211 구입 방법(유료)

○ 한국표준정보망 접속(웹 주소: www.kssn.net)

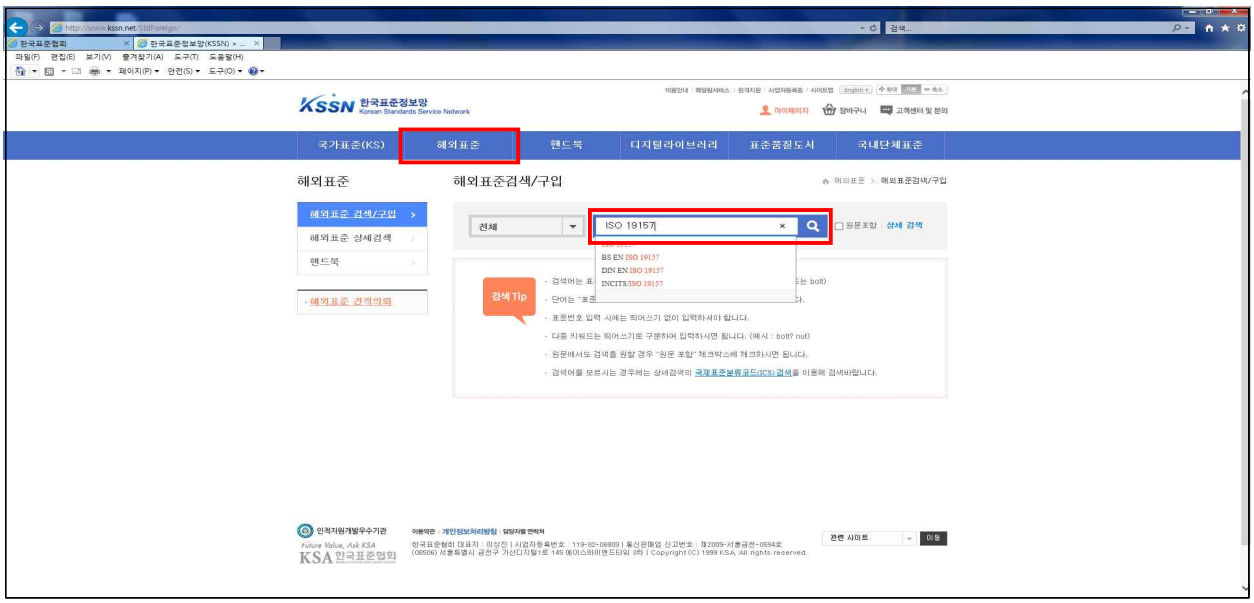
※ 국가표준 및 국제표준 구입을 위해서는 별도의 회원가입 절차가 필요하지 않음

○ 상단의 해외표준 메뉴 클릭

- 필요한 국제표준의 표준번호 입력

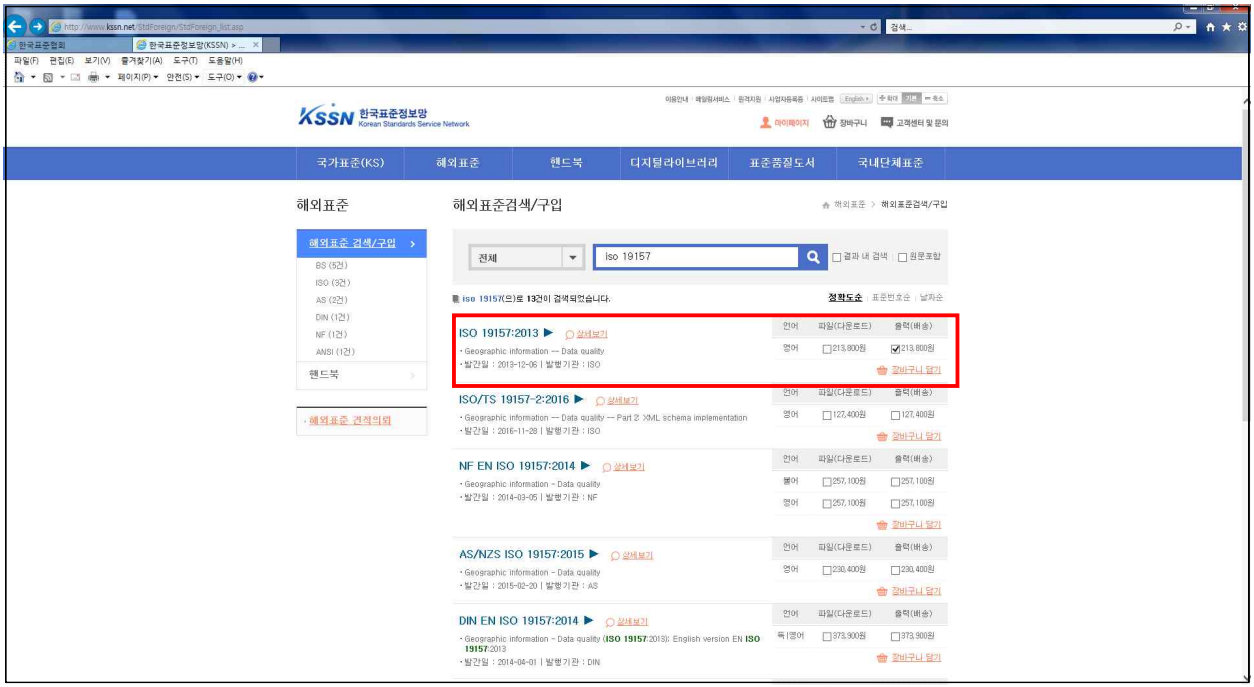
- 찾기 클릭

※ 검색결과 여러 가지의 표준이 검색될 수 있으나, 필요한 표준은 대부분 최상단에 검색됨



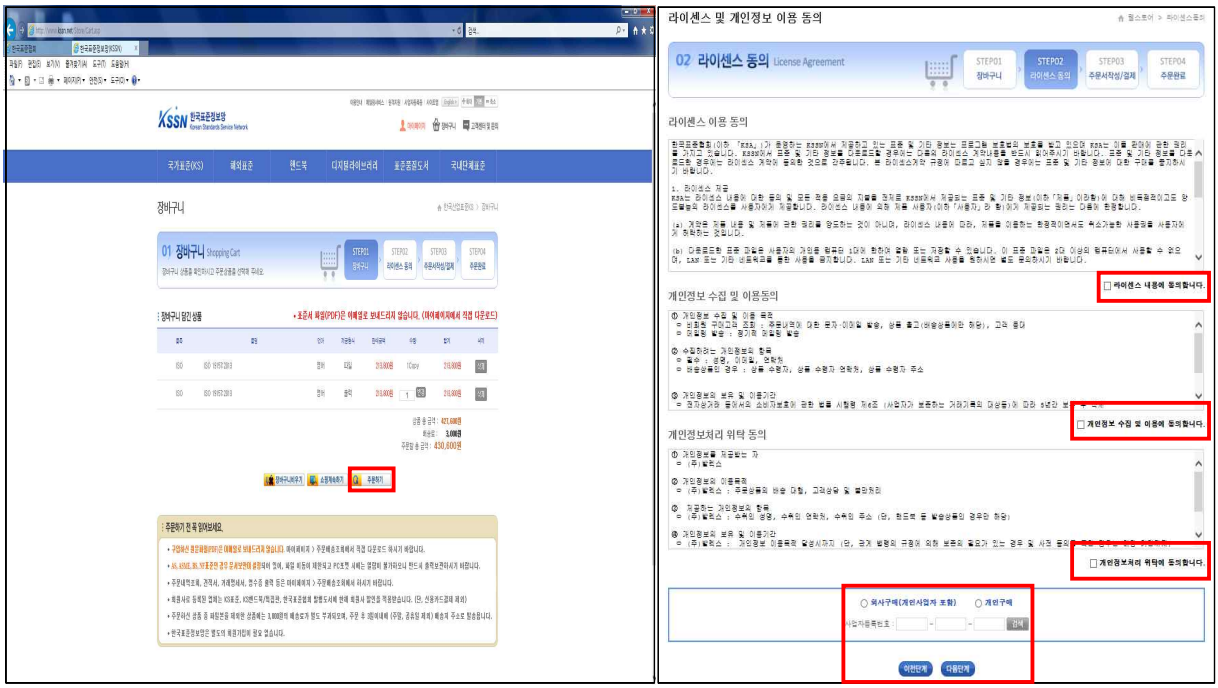
○ 사용자가 원하는 형태(다운로드 또는 출력)로 구입

- 파일(다운로드) 체크하여 장바구니 담기
- 출력(배송) 체크하여 장바구니 담기



○ 구입을 위해 라이센스 이용 동의 및 사업자 또는 개인 선택

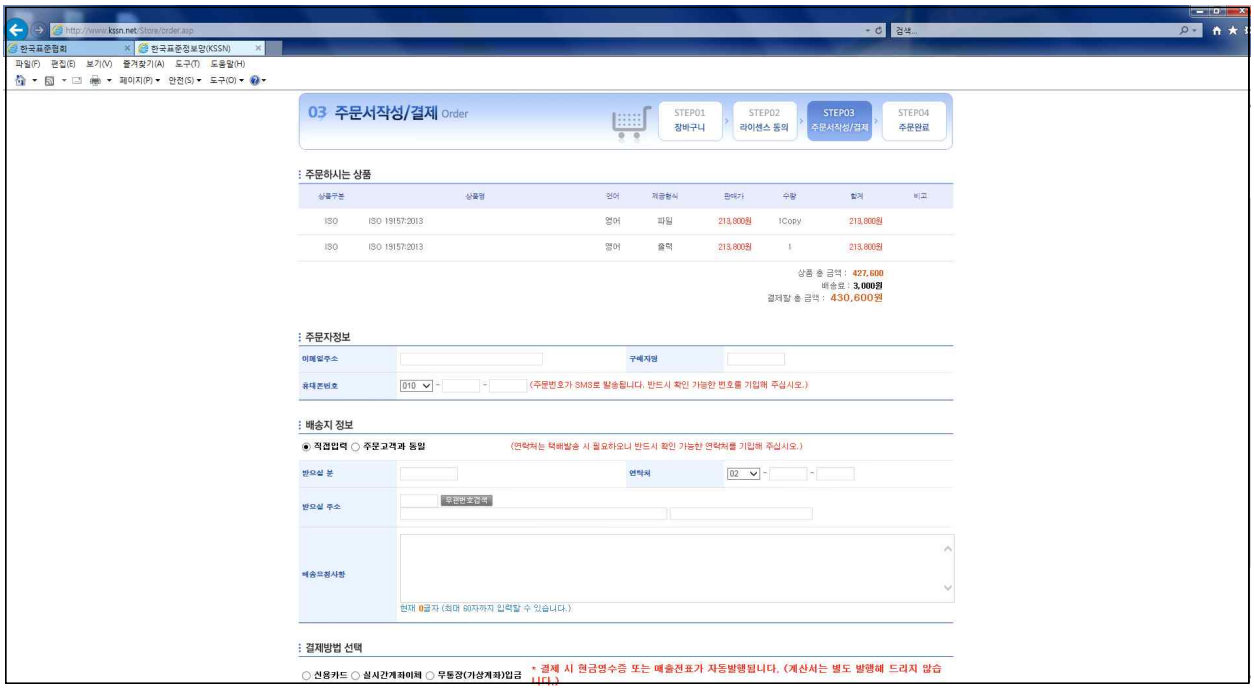
- 라이센스 내용에 동의, 개인정보 수입 및 이용에 동의
- 개인정보처리 위탁에 동의, 회사구매 또는 개인구매 선택



○ 주문서 작성 및 결제 방법 선택

- 주문자 정보 입력

- 배송지 정보 입력



3 OGC 표준

2018.04.12.기준

번호	표준번호	표준명	제·개정
1	99-050	OpenGIS Simple Features Implementation Specification for OLE/COM	1999
2	99-054	OpenGIS Simple Features Implementation Specification for CORBA	1999
3	01-009	OpenGIS Coordinate Transformation Service Implementation Specification	2001
4	04-094r1	OGC Web Feature Service Implementation Specification with Corrigendum	2016
5	05-005	OpenGIS Web Map Context Implementation Specification	2005
6	05-007r7	Web Processing Service	2007
7	05-047r3	OpenGIS GML in JPEG 2000 for Geographic Imagery Encoding Specification	2006
8	05-077r4	OpenGIS Symbology Encoding Implementation Specification	2007
9	05-078r4	OpenGIS Styled Layer Descriptor Profile of the Web Map Service Implementation Specification	2007
10	06-009r6	OpenGIS Sensor Observation Service	2008
11	06-024r4	OGC Location Services (OpenLS): Tracking Service Interface Standard	2008
12	06-027r1	OpenGIS Web Feature Service (WFS) Implementation Specification (Corrigendum) WFSC	2006
13	06-042	OpenGIS Web Map Service (WMS) Implementation Specification	2006
14	06-103r4	OpenGIS Implementation Specification for Geographic information - Simple feature access - Part 1: Common architecture	2011
15	06-104r4	OpenGIS Implementation Specification for Geographic information - Simple feature access - Part 2: SQL option	2010
16	06-121r9	OGC Web Service Common Implementation Specification	2010
17	06-131r6	OGC® Catalogue Services Standard 2.0 Extension Package for ebRIM Application Profile: Earth Observation Products	2010
18	06-141r6	Ordering Services Framework for Earth Observation Products Interface Standard	2012
19	07-000	OpenGIS Sensor Model Language (SensorML)	2007
20	07-006r1	OpenGIS Catalogue Service Implementation	2007

번호	표준번호	표준명	제·개정
		Specification	
21	07-010	Revision Notes for Corrigendum for OpenGIS 07-006: Catalogue Services, Version 2.0.2 cat revision notes	2007
22	07-036	OpenGIS Geography Markup Language (GML) Encoding Standard	2007
23	07-045r1	OpenGIS® Catalogue Services Specification 2.0.2 - ISO Metadata Application Profile: Corrigendum	2018
24	07-057r7	OpenGIS Web Map Tile Service Implementation Standard	2010
25	07-068r4	Web Coverage Service (WCS) - Transaction operation extension	2009
26	07-074	OpenGIS Location Service (OpenLS) Implementation Specification: Core Services	2008
27	07-098r1	GeoXACML Implementation Specification - Extension A (GML2) Encoding GeoXACML extA	2008
28	07-099r1	GeoXACML Implementation Specification - Extension B (GML3) Encoding GeoXACML extB	2008
29	07-110r4	CSW-ebRIM Registry Service - Part 1: ebRIM profile of CSW	2009
30	07-122r2	OpenGIS SensorML Encoding Standard v 1.0 Schema Corregendum 1 SensorML Corr 1	2007
31	07-144r4	CSW-ebRIM Registry Service - Part 2: Basic extension package CAT2 ebRIM part2	2009
32	07-147r2	OGC KML	2008
33	08-007r1	OpenGIS® City Geography Markup Language (CityGML) Encoding Standard	2008
34	08-028r7	OpenGIS Location Services (OpenLS): Part 6 - Navigation Service OLSNav	2008
35	08-050	OpenGIS Web Map Context Documents Corrigendum 1 WMC Corr 1	2008
36	08-054r4	OGC®GMLinJPEG2000(GMLJP2)EncodingStandardPart1:Core	2014
37	08-059r4	OGC® Web Coverage Service WCS Interface Standard - Processing Extension WCS WCPS	2014
38	08-068r2	OpenGIS Web Coverage Processing Service (WCPS) Language Interface Standard	2009
39	08-085r5	OGC GML in JPEG 2000 (GMLJP2) Encoding StandardPart 1: Core	2016
40	08-091r6	Corrigendum for OpenGIS Implementation Standard Web Processing Service (WPS) 1.0.0 WPS 1.0 Corr	2009
41	08-094r1	OGC® SWE Common Data Model Encoding Standard	2011
42	09-000	OGC® Sensor Planning Service Implementation	2011

번호	표준번호	표준명	제·개정
		Standard	
43	09-001	OGC® Sensor Planning Service Implementation Standard	2011
44	09-025r2	OGC®WebFeatureService2.0InterfaceStandard - WithCorrigendum	2014
45	09-026r2	OGCFilterEncoding2.0EncodingStandard-WithCorrigendum	2014
46	09-083r3	GeoAPI 3.0 Implementation Standard	2011
47	09-110r4	OGC®WCS2.0InterfaceStandard-Core:Corrigendum	2012
48	09-127r2	OGC®PUCKProtocolStandard	2012
49	09-146r	OGC Coverage Implementation Schema	2017
50	09-147r3	OGC®WebCoverageService2.0InterfaceStandard-KVPProtocolBindingExtension-Corrigendum	2013
51	09-148r1	OGC® Web Coverage Service 2.0 Interface Standard - XML/POST Protocol Binding Extension	2010
52	09-149r1	OGC® Web Coverage Service 2.0 Interface Standard - XML/SOAP Protocol Binding Extension WCS XML SOAP ext	2010
53	10-025r1	Observations and Measurements - XML Implementation	2011
54	10-032r8	OGC® OpenSearch Geo and Time Extensions	2014
55	10-070r2	OpenGIS® Georeferenced Table Joining Service Implementation Standard	2010
56	10-090r3	OGC Network Common Data Form (NetCDF) Core Encoding Standard version 1.0	2011
57	10-092r3	NetCDF Binary Encoding Extension Standard: NetCDF Classic and 64-bit Offset Format netcdf-binary	2011
58	10-126r4	OGC® WaterML 2.0: Part 1- Timeseries	2014
59	10-129r1	OGC® Geography Markup Language (GML) - Extended schemas and encoding rules	2012
60	10-135	OGC® Sensor Planning Service Interface Standard 2.0 Earth Observation Satellite Tasking ExtensionOGC® Sensor Planning Service SPS EO Tasking Ext	2011
61	10-157r4	OGC® Earth Observation Metadata profile of Observations & Measurements	2016
62	11-014r3	OGC Open Modelling Interface Interface Standard	2014
63	11-017	Geospatial eXtensible Access Control Markup Language (GeoXACML) Version 1 Corrigendum	2011

번호	표준번호	표준명	제·개정
64	11-030r1	OGC®: Open GeoSMS Standard - Core	2012
65	11-038R2	OGC Network Common Data Form (NetCDF) NetCDF Enhanced Data Model Extension Standard netcdf-enhanced	2012
66	11-052r4	OGC GeoSPARQL - A Geographic Query Language for RDF Data	2012
67	11-053r1	OGC® Web Coverage Service Interface Standard - CRS Extension WCS-CRS-extension	2014
68	11-157	OGC® Web Coverage Service Interface Standard - CRS Extension WCS-CRS-extension	2011
69	11-158	Corrigendum 2 for OGC Web Services Common Specification v 1.1.0 - Exception Report CommonC2	2011
70	11-165r2	CF-netCDF3 Data Model Extension standard netcdf-data-model-ex	2013
71	12-000	OGC® SensorML: Model and XML Encoding Standard	2014
72	12-006	OGC® Sensor Observation Service Interface Standard	2012
73	12-007r2	OGC KML 2.3	2015
74	12-019	OGC City Geography Markup Language (CityGML) Encoding Standard	2012
75	12-039	OGC® Web Coverage Service Interface Standard - Scaling Extension WCS scaling	2014
76	12-040	OGC® Web Coverage Service Interface Standard - Range Subsetting Extension WCS range subsetting	2014
77	12-049	OGC® Web Coverage Service Interface Standard - Interpolation Extension WCS Interopolation	2014
78	12-063r5	Geographicinformation – Wellknowntextrepresentationofcoordinatereferencesystems	2015
79	12-080r2	OGC OWS Context Conceptual Model	2014
80	12-084r2	OGC OWS Context Atom Encoding Standard	2014
81	12-100r1	OGC® GML Application Schema - Coverages - GeoTIFF Coverage Encoding Profile wcs_geotiff	2014
82	12-128r14	OGC® GeoPackage Encoding Standard	2017
83	12-132r4	OGC Augmented Reality Markup Language 2.0	2015

번호	표준번호	표준명	제·개정
		(ARML 2.0)	
84	12-168r6	OGC® Catalogue Services 3.0 - General Model	2016
85	12-176r7	OGC® Catalogue Services 3.0 Specification - HTTP Protocol Binding	2016
86	13-026r8	OGC® OpenSearch Extension for Earth Observation	2016
87	13-057r1	OGCWebCoverageServiceInterfaceStandard - TransactionExtension	2016
88	13-084r2	OGC I15 (ISO19115 Metadata) Extension Package of CS-W ebRIM Profile 1.0 csw-ebrim-i15	2014
89	13-131r1	OGC® Publish/Subscribe Interface Standard 1.0 - Core	2016
90	13-133r1	OGC® Publish/Subscribe Interface Standard 1.0 SOAP Protocol Binding Extension	2016
91	14-005r3	OGC® IndoorGML	2014
92	14-055r2	OGC OWS Context GeoJSON Encoding Standard	2017
93	14-065r2	OGC® WPS 2.0.2 Interface Standard: Corrigendum 2	2018
94	14-083r2	OGC® Moving Features Encoding Part I: XML Core	2015
95	14-084r2	OGC® Moving Features Encoding Extension: Simple Comma Separated Values (CSV)	2015
96	14-100r2	OGC® CF-netCDF 3.0 encoding using GML Coverage Application Schema	2015
97	14-111r6	OGC® WaterML 2: Part 3 - Surface Hydrology Features (HY_Features) - Conceptual Model	2018
98	15-001r4	OGC® 3D Portrayal Service 1.0	2017
99	15-018r2	OGC WaterML2.0: part 2 - Ratings, Gaugings and Sections	2016
100	15-042r3	TimeseriesML1.0 - XMLEncodingoftheTimeseriesProfileofObservationsandMeasurements	2016
101	15-043r3	TimeseriesProfileofObservationsandMeasurements	2016
102	15-078r6	OGC SensorThings API Part 1: Sensing	2016
103	15-097r1	OGC® Geospatial User Feedback Standard:	2016

번호	표준번호	표준명	제·개정
		Conceptual Model	
104	15-098r1	OGC® Geospatial User Feedback Standard: XML Encoding Extension	2016
105	15-111r1	OGC® Land and Infrastructure Conceptual Model Standard (LandInfra)	2016
106	15-112r2	Volume3: OGC CDB terms and Definitions cdb-terms	2017
107	15-113r3	Volume1: OGC CDB Core Standard: Model and physical Data Store Structure	2017
108	16-007r3	Volume11 : OGC CDB Core Standard conceptual Model CDB-core-model	2017
109	16-008	OGC-Geoscience Markup Language 4.1 (GeoSciML)	2017
110	16-032r2	OGC WaterML 2: Part 4 - GroundWaterML 2 (GWML2)	2017
111	16-083r2	OGC Coverage Implementation Schema - ReferenceableGridCoverage Extension	2017
112	16-100r2	OGC InfraGML 1.0: Part0-LandInfra Core-Encoding Standard	2017
113	16-101r2	OGC InfraGML 1.0: Part1-LandInfra Land Features-Encoding Standard	2017
114	16-102r2	OGC InfraGML 1.0: Part2-LandInfra Facilities and Projects-Encoding Standard	2017
115	16-103r2	OGC InfraGML 1.0: Part3-Alignments-Encoding Standard	2017
116	16-104r2	OGC InfraGML 1.0: Part4-LandInfra Roads-Encoding Standard	2017
117	16-105r2	OGC InfraGML 1.0: Part5-Railways-Encoding Standard	2017
118	16-106r2	OGC InfraGML 1.0: Part6-LandInfra Survey-Encoding Standard	2017
119	16-107r2	OGC InfraGML 1.0: Part7-LandInfra Land Division-Encoding Standard	2017
120	16-120r3	OGC Moving Features Access	2017
121	17-066r1	OGC GeoPackage Extension for Tiled Gridded Coverage Data	2018

④ OGC 국제표준 다운로드(무료)

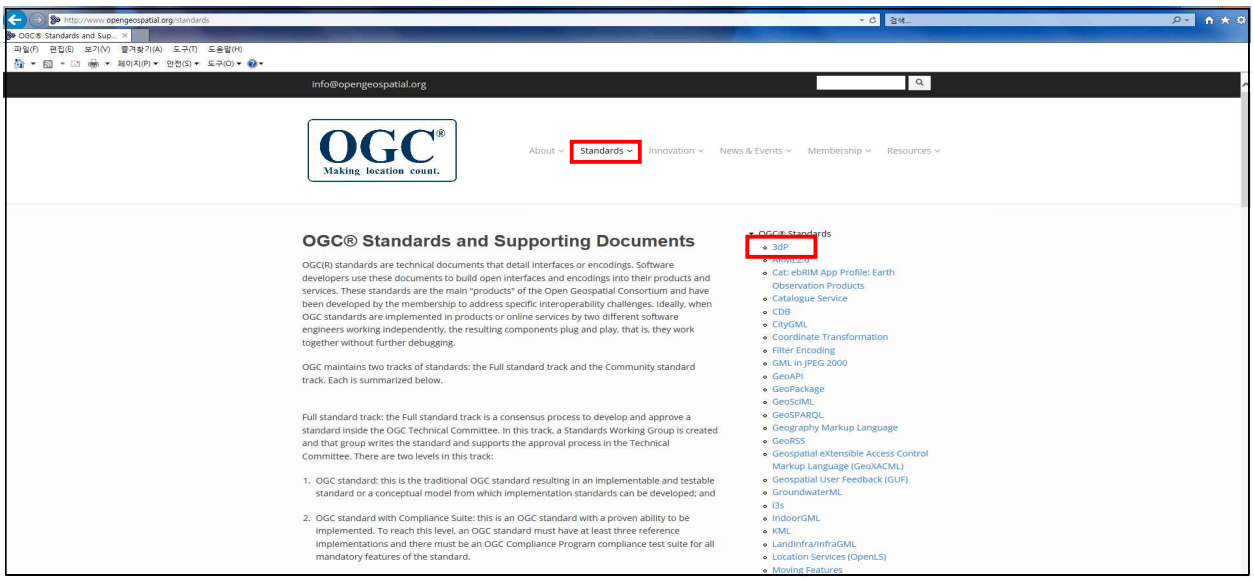
○ 개방형 공간정보 컨소시엄 홈페이지 접속

- 웹 주소: www.opengeospatial.org

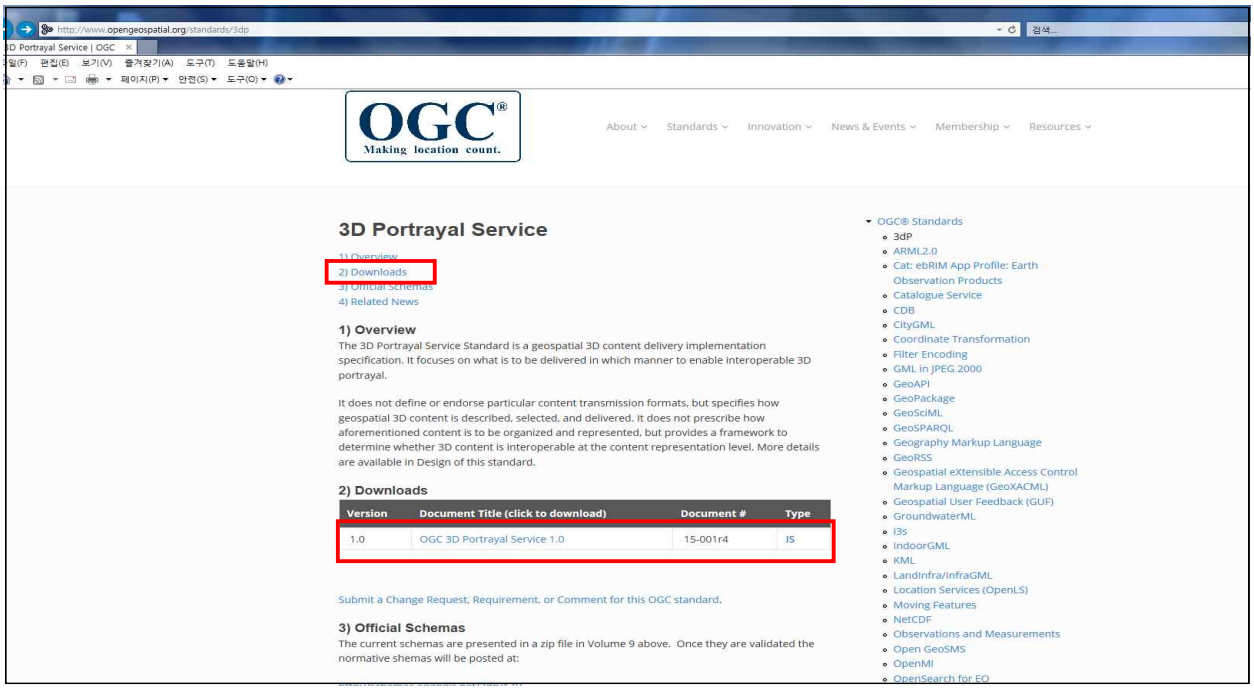
※ 국제표준 다운로드를 위해서는 별도의 회원가입 절차가 필요하지 않음

○ 상단의 표준(standards) 메뉴 클릭

- 우측의 표준 선택



○ 표준 다운로드


OGC
Making location count.
About
Standards
Innovation
News & Events
Membership
Resources
3D Portrayal Service
1) Overview
2) Downloads
3) Official Schemas
4) Related News
1) Overview
The 3D Portrayal Service Standard is a geospatial 3D content delivery implementation specification. It focuses on what is to be delivered in which manner to enable interoperable 3D portrayal.
It does not define or endorse particular content transmission formats, but specifies how geospatial 3D content is described, selected, and delivered. It does not prescribe how aforementioned content is to be organized and represented, but provides a framework to determine whether 3D content is interoperable at the content representation level. More details are available in Design of this standard.
2) Downloads
Version
Document Title (click to download)
Document #
Type
1.0
OGC 3D Portrayal Service 1.0
15-001r4
IS
Submit a Change Request, Requirement, or Comment for this OGC standard.
3) Official Schemas
The current schemas are presented in a zip file in Volume 9 above. Once they are validated the normative shemas will be posted at:
OGC® Standards
3dP
ARML2.0
Cat: ebRIM App Profile: Earth Observation Products
Catalogue Service
CDB
CityGML
Coordinate Transformation
Filter Encoding
GML in JPEG 2000
GeoAPI
GeoPackage
GeoSciML
GeoSPARQL
Geography Markup Language
GeoRSS
Geospatial eXtensible Access Control Markup Language (GeoXACML)
Geospatial User Feedback (GUF)
GroundwaterML
I3s
IndoorGML
KML
LandInfra/InfraGML
Location Services (OpenLS)
Moving Features
NetCDF
Observations and Measurements
Open GeoSMS
OpenMI
OpenSearch for EO

Open Geospatial Consortium
Submission Date: 2016-02-18
Approval Date: 2016-05-08
Publication Date: 2017-09-13
External identifier of this OGC® document: http://www.opengis.net/doc/IS/3dps/1.0
Internal reference number of this OGC® document: 15-001r4
Please refer to the errata for this document, which may include some normative corrections.
Additional Formats (informative):
Version: 1.0
Category: OGC® Implementation Standard
Editors: Benjamin Hagedorn, Simon Thum, Thorsten Reitz, Voker Coors, Ralf Gutbell
OGC® 3D Portrayal Service 1.0
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열기(O)
저장(S)
취소(C)