

LIITE 1. Standardiluettelo

Tunnistettuja standardeja ja normeja

Tähän liitteeseen on koostettu ajantasainen luettelo BIM, GIS ja omaisuudenhallinnan standardijulkaisuja. Lista perustuu RASTI 1.0 -projektin aineistoon. Listalle on tunnistettu muutoksina ja lisäyksinä vuosien 2019-2025 välisenä aikana julkaistut julkaisut. Julkaisut on lueteltu julkaisijatahon mukaisessa järjestyksessä. CEN- ja ISO-organisaatioiden osalta on mainittu ko. standardia käsittelevä tekninen ryhmä. Lähteinä on käytetty ko. organisaatioiden julkisia julkaisuluetteloita. Selvitystyön aikaiset muutokset on pyritty tunnistamaan tälle listalle, mutta täysin ajantasainen tieto on julkaisevalla taholla. Jos julkaisun julkaisukieli on suomi, on se merkitty vaaleansinisellä värityksellä.

Julkaisijataho / Tekninen komitea	Uusimman julkaisun ajankohta (jos tieto saatavilla)	Julkaisun nimi
bSF BUILDING SMART FINLAND		
bSF BUILDING SMART FINLAND		InfraBIM-nimikkeistö v1_7_1
bSF BUILDING SMART FINLAND		InfraBIM-nimikkeistö englanniksi
bSF BUILDING SMART FINLAND		InfraBIM-sanasto
bSF BUILDING SMART FINLAND		Infra Rakentajakoodaus v.2.3
bSF BUILDING SMART FINLAND	2025	Inframodel - Inframodel 4.2.0
bSF BUILDING SMART FINLAND	2019	MaisemaBIM
bSF BUILDING SMART FINLAND	2021	Taloteotekniikan tietomalliohje, YTV Osa 15 Taloteotekniikka, suunnittelu ja rakentaminen
bSF BUILDING SMART FINLAND		Vesihuollon BIM Ohjeistukset
bSF BUILDING SMART FINLAND	2021	YIV-Infra Yleiset inframallivaatimukset – INFRA
bSF BUILDING SMART FINLAND	2012	YTV - Talo Yleiset tietomallivaatimukset 2012 - TALO
bSF BUILDING SMART FINLAND	2016	YKV – Kaupunki Kaupunkimallinnuksen ohjekirja
bSF BUILDING SMART INTERNATIONAL		
bSI BUILDING SMART INTERNATIONAL	2024	Industry Foundation Classes - IFC 4.3 ADD2 > ISO 16739-1:2024
bSI BUILDING SMART INTERNATIONAL	2010	Information Delivery Manual (IDM) > ISO 29481-1:2010
bSI BUILDING SMART INTERNATIONAL		Information Delivery Specification (IDS) v1.0
bSI BUILDING SMART INTERNATIONAL		BIM Collaboration Format (BCF)
bSI BUILDING SMART INTERNATIONAL		Model View Definition (MVD)
bSI BUILDING SMART INTERNATIONAL		buildingSMART Data Dictionary (bSDD)
bSI BUILDING SMART INTERNATIONAL		openCDE Foundation API
bSI BUILDING SMART INTERNATIONAL		Use Case Management Service (UCM)
bSI BUILDING SMART INTERNATIONAL		Validation Service
bSI BUILDING SMART INTERNATIONAL and OGC Open Geospatial Consortium	2021	Built environment data standards and their integration: an analysis of IFC, CityGML and LandInfra
CEN European Committee for Standardization (Päivitystarpeiden tarkastelu 5 vuoden välein)		
CEN/TC 169 Light and lighting	2024	CEN ISO/TS 7127:2024 Light and lighting - Building information modelling properties for lighting - Lighting systems (ISO/TS 7127:2023)
CEN/TC 226 Road equipment	2022	CEN/TR 17828:2022 Road infrastructure - Automated vehicle interactions - Reference Framework Release 1
CEN/TC 287 Geographic Information	2022	EN ISO 6709:2022 Standard representation of geographic point location by coordinates (ISO 6709:2022)
CEN/TC 287 Geographic Information	2014	EN ISO 19101-1:2014 Geographic information - Reference model - Part 1: Fundamentals (ISO 19101-1:2014)

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CEN/TC 287 Geographic Information	2024	EN ISO 19103:2024 Geographic information - Conceptual schema language (ISO 19103:2024)
CEN/TC 287 Geographic Information	2022	EN ISO 19105:2022 Geographic information - Conformance and testing (ISO 19105:2022)
CEN/TC 287 Geographic Information	2006	EN ISO 19106:2006 Geographic information - Profiles (ISO 19106:2004)
CEN/TC 287 Geographic Information	2019	EN ISO 19107:2019 Geographic information - Spatial schema (ISO 19107:2019)
CEN/TC 287 Geographic Information	2005	EN ISO 19108:2005/AC:2008 Geographic information - Temporal schema (ISO 19108:2002/Cor 1:2006)
CEN/TC 287 Geographic Information	2015	EN ISO 19109:2015 Geographic information - Rules for application schema (ISO 19109:2015)
CEN/TC 287 Geographic Information	2016	EN ISO 19110:2016 Geographic information - Methodology for feature cataloguing (ISO 19110:2016)
CEN/TC 287 Geographic Information	2020	EN ISO 19111:2020 Geographic information - Referencing by coordinates (ISO 19111:2019)
CEN/TC 287 Geographic Information	2023	EN ISO 19111:2020/A2:2023 Geographic information - Referencing by coordinates - Amendment 2 (ISO 19111:2019/Amd 2:2023)
CEN/TC 287 Geographic Information	2019	EN ISO 19112:2019 Geographic information - Spatial referencing by geographic identifiers (ISO 19112:2019)
CEN/TC 287 Geographic Information	2014	EN ISO 19115-1:2014/A2:2020 Geographic information - Metadata - Part 1: Fundamentals - Amendment 2 (ISO 19115-1:2014/Amd 2:2020)
CEN/TC 287 Geographic Information	2019	EN ISO 19115-2:2019 Geographic information - Metadata - Part 2: Extensions for acquisition and processing (ISO 19115-2:2019)
CEN/TC 287 Geographic Information	2023	EN ISO 19115-3:2023 Geographic information - Metadata - Part 3: XML schema implementation for fundamental concepts (ISO 19115-3:2023)
CEN/TC 287 Geographic Information	2019	EN ISO 19116:2019 Geographic information - Positioning services (ISO 19116:2019)
CEN/TC 287 Geographic Information	2014	EN ISO 19117:2014 Geographic information - Portrayal (ISO 19117:2012)
CEN/TC 287 Geographic Information	2011	EN ISO 19118:2011 Geographic information - Encoding (ISO 19118:2011)
CEN/TC 287 Geographic Information	2016	EN ISO 19119:2016 Geographic information - Services (ISO 19119:2016)
CEN/TC 287 Geographic Information	2023	EN ISO 19123-1:2023 Geographic information - Schema for coverage geometry and functions - Part 1: Fundamentals (ISO 19123-1:2023)
CEN/TC 287 Geographic Information	2023	EN ISO 19123-3:2023 Geographic information - Schema for coverage geometry and functions - Part 3: Processing fundamentals (ISO 19123-3:2023, Corrected version 2023-11)
CEN/TC 287 Geographic Information	2006	EN ISO 19125-1:2006 Geographic information - Simple feature access - Part 1: Common architecture (ISO 19125-1:2004)
CEN/TC 287 Geographic Information	2021	EN ISO 19126:2021 Geographic information - Feature concept dictionaries and registers (ISO 19126:2021)
CEN/TC 287 Geographic Information	2008	EN ISO 19128:2008 Geographic information - Web map server interface (ISO 19128:2005)
CEN/TC 287 Geographic Information	2022	EN ISO 19131:2022 Geographic information - Data product specifications (ISO 19131:2022)
CEN/TC 287 Geographic Information	2008	EN ISO 19132:2008 Geographic information - Location-based services - Reference model (ISO 19132:2007)
CEN/TC 287 Geographic Information	2007	EN ISO 19133:2007 Geographic information - Location-based services - Tracking and navigation (ISO 19133:2005)
CEN/TC 287 Geographic Information	2008	EN ISO 19134:2008 Geographic information - Location-based services - Multimodal routing and navigation (ISO 19134:2007)
CEN/TC 287 Geographic Information	2015	EN ISO 19135-1:2015 Geographic information - Procedures for item registration - Part 1: Fundamentals (ISO 19135-1:2015)
CEN/TC 287 Geographic Information	2020	EN ISO 19136-1:2020 Geographic information - Geography Markup Language (GML) - Part 1: Fundamentals (ISO 19136-1:2020)
CEN/TC 287 Geographic Information	2018	EN ISO 19136-2:2018 Geographic information - Geography Markup Language (GML) - Part 2: Extended schemas and encoding rules (ISO 19136-2:2015)
CEN/TC 287 Geographic Information	2008	EN ISO 19137:2008 Geographic information - Core profile of the spatial schema (ISO 19137:2007)
CEN/TC 287 Geographic Information	2009	EN ISO 19141:2009 Geographic information - Schema for moving features (ISO 19141:2008)
CEN/TC 287 Geographic Information	2010	EN ISO 19142:2010 Geographic information - Web Feature Service (ISO 19142:2010)
CEN/TC 287 Geographic Information	2012	EN ISO 19143:2012 Geographic information - Filter encoding (ISO 19143:2010)
CEN/TC 287 Geographic Information	2012	EN ISO 19144-1:2012 Geographic information - Classification systems - Part 1: Classification system structure (ISO 19144-1:2009)
CEN/TC 287 Geographic Information	2018	EN ISO 19146:2018 Geographic information - Cross-domain vocabularies (ISO 19146:2018)
CEN/TC 287 Geographic Information	2021	EN ISO 19148:2021 Geographic information - Linear referencing (ISO 19148:2021)
CEN/TC 287 Geographic Information	2023	EN ISO 19150-6:2023 Geographic information - Ontology - Part 6: Service ontology register (ISO 19150-6:2023)

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CEN/TC 287 Geographic Information	2024	EN ISO 19152-1:2024 Geographic information - Land Administration Domain Model (LADM) - Part 1: Generic conceptual model (ISO 19152-1:2024)
CEN/TC 287 Geographic Information	2024	EN ISO 19152-3:2024 Geographic information - Land Administration Domain Model (LADM) - Part 3: Marine georegulation (ISO 19152-3:2024)
CEN/TC 287 Geographic Information	2023	EN ISO 19156:2023 Geographic information - Observations, measurements and samples (ISO 19156:2023)
CEN/TC 287 Geographic Information	2023	EN ISO 19157-1:2023 Geographic information - Data quality - Part 1: General requirements (ISO 19157-1:2023)
CEN/TC 287 Geographic Information	2024	EN ISO 19164:2024 Geographic information - Indoor feature model (ISO 19164:2024)
CEN/TC 287 Geographic Information	2025	EN ISO 19168-1:2025 Geographic information - Geospatial API for features - Part 1: Core (ISO 19168-1:2025)
CEN/TC 287 Geographic Information	2022	EN ISO 19168-2:2022 Geographic information - Geospatial API for features - Part 2: Coordinate Reference Systems by Reference (ISO 19168-2:2022)
CEN/TC 287 Geographic Information	2015	CEN/TR 15449-5:2015 Geographic information - Spatial data infrastructures - Part 5: Validation and testing
CEN/TC 287 Geographic Information	2013	CEN/TR 15449-4:2013 Geographic information - Spatial Data Infrastructure - Part 4: Service centric view
CEN/TC 287 Geographic Information	2012	CEN/TR 15449-3:2012 Geographic information - Spatial data infrastructures - Part 3: Data centric view
CEN/TC 287 Geographic Information	2012	CEN/TR 15449-2:2012 Geographic information - Spatial data infrastructures - Part 2: Best practices
CEN/TC 287 Geographic Information	2012	CEN/TR 15449-1:2012 Geographic information - Spatial data infrastructures - Part 1: Reference model
CEN/TC 287 Geographic Information	2019	CEN ISO/TS 19139-1:2019 Geographic information - XML schema implementation - Part 1: Encoding rules (ISO/TS 19139-1:2019)
CEN/TC 287 Geographic Information	2024	CEN ISO/TS 19144-3:2024 Geographic information - Classification systems - Part 3: Land Use Meta Language (LUML) (ISO/TS 19144-3:2024)
CEN/TC 337 Road operation equipment and products	2024	EN 15430-1:2024 Winter and road service area maintenance equipment - Data acquisition and transmission - Part 1: In-vehicle data acquisition
CEN/TC 337 Road operation equipment and products	2023	EN 15518-3:2023 Winter maintenance equipment - Road weather information systems - Part 3: Requirements on measured values of stationary equipment
CEN/TC 348 Facility Management	2011	EN 15221-4:2011 Facility Management - Part 4: Taxonomy, Classification and Structures in Facility Management
CEN/TC 348 Facility Management	2011	EN 15221-6:2011 Facility Management - Part 6: Area and Space Measurement in Facility Management
CEN/TC 348 Facility Management	2012	SFS-EN 15221-6:2012 Tilajohtaminen. Osa 6: Pinta-ala- ja tilavuusmittaukset tilajohtamisessa
CEN/TC 348 Facility Management	2024	EN ISO 41001:2018/A1:2024 Facility management - Management systems - Requirements with guidance for use - Amendment 1: Climate action changes (ISO 41001:2018/Amd 1:2024)
CEN/TC 348 Facility Management	2024	EN ISO 41011:2024 (WI=00348027) Facility management - Vocabulary (ISO 41011:2024)
CEN/TC 348 Facility Management	2024	CEN ISO/TR 41016:2024 Facility management - Overview of available technologies (ISO/TR 41016:2024)
CEN/TC 350 Sustainability of construction works	2024	EN ISO 22014:2024 Library objects for architecture, engineering, construction and use (ISO 22014:2024)
CEN/TC 350 Sustainability of construction works	2024	EN 15941:2024 Sustainability of construction works - Data quality for environmental assessment of products and construction work - Selection and use of data
CEN/TC 350 Sustainability of construction works	2012	SFS-EN 15804:2012 + A2:2019 Kestävä rakentaminen. Rakennustuotteiden ympäristöselosteet. Laadinnan yleissäännöt.
CEN/TC 350 Sustainability of construction works	2016	CEN/TR 16970:2016 Sustainability of construction works - Guidance for the implementation of EN 15804
CEN/TC 350 Sustainability of construction works	2011	EN 15978:2011 Sustainability of construction works. Assessment of environmental performance of buildings. Calculation method
CEN/TC 350 Sustainability of construction works	2022	EN 17472:2022 Sustainability of construction works - Sustainability assessment of civil engineering works - Calculation methods
CEN/TC 350 Sustainability of construction works	2022	EN ISO 22057:2022 Sustainability in buildings and civil engineering works - Data templates for the use of environmental product declarations (EPDs) for construction products in building information modelling (BIM) (ISO 22057:2022)
CEN/TC 442 Building Information Modelling (BIM)	2024	EN ISO 7817-1:2024 Building Information Modelling - Level of Information Need - Part 1 Concepts and principles (ISO 7817-1:2024)
CEN/TC 442 Building Information Modelling (BIM)	2023	EN 17549-2:2023 Building information modelling - Information structure based on EN ISO 16739 1 to exchange data templates and data sheets for construction objects - Part 2: Configurable construction objects and requirements
CEN/TC 442 Building Information Modelling (BIM)	2022	EN 17632-1:2022 Building information modelling (BIM) - Semantic modelling and linking (SML) - Part 1: Generic modelling patterns

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CEN/TC 442 Building Information Modelling (BIM)	2024	EN 17632-2:2024 Building information modelling (BIM) - Semantic modelling and linking (SML) - Part 2: Domain-specific modelling patterns
CEN/TC 442 Building Information Modelling (BIM)	2020	EN ISO 12006-2:2020 Building construction - Organization of information about construction works - Part 2: Framework for classification (ISO 12006-2:2015)
CEN/TC 442 Building Information Modelling (BIM)	2022	EN ISO 12006-3:2022 Building construction - Organization of information about construction works - Part 3: Framework for object-oriented information (ISO 12006-3:2022)
CEN/TC 442 Building Information Modelling (BIM)	2024	EN ISO 16739-1:2024 Industry Foundation Classes (IFC) for data sharing in the construction and facility management industries - Part 1: Data schema (ISO 16739-1:2024)
CEN/TC 442 Building Information Modelling (BIM)	2019	EN ISO 16757-1:2019 Data structures for electronic product catalogues for building services - Part 1: Concepts, architecture and model (ISO 16757-1:2015)
CEN/TC 442 Building Information Modelling (BIM)	2019	EN ISO 16757-2:2019 Data structures for electronic product catalogues for building services - Part 2: Geometry (ISO 16757-2:2016)
CEN/TC 442 Building Information Modelling (BIM)	2018	EN ISO 19650-1:2018 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Information management using building information modelling - Part 1: Concepts and principles (ISO 19650-1:2018)
CEN/TC 442 Building Information Modelling (BIM)	2022	SFS-EN ISO 19650-1:2019 Rakennuksia ja infrarakenteita koskevien tietojen organisointi ja digitalisointi, mukaan lukien rakennetun ympäristön tietojen mallintaminen ja hallinta hyödyntämällä rakennettujen kohteiden tietomallinnusta (BIM). Osa 1: Käsitteet ja periaatteet
CEN/TC 442 Building Information Modelling (BIM)	2018	EN ISO 19650-2:2018 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Information management using building information modelling - Part 2: Delivery phase of the assets (ISO 19650-2:2018)
CEN/TC 442 Building Information Modelling (BIM)	2023	SFS-EN ISO 19650-2:2019 Rakennuksia ja maa- ja vesirakenteita koskevien tietojen organisointi ja digitalisointi, mukaan lukien rakennetun ympäristön tietojen mallintaminen ja hallinta hyödyntämällä rakennettujen kohteiden tietomallinnusta (BIM). Osa 2: Omaisuuskohteiden toteutusvaihe
CEN/TC 442 Building Information Modelling (BIM)	2020	EN ISO 19650-3:2020 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Information management using building information modelling - Part 3: Operational phase of the assets (ISO 19650-3:2020)
CEN/TC 442 Building Information Modelling (BIM)	2022	EN ISO 19650-4:2022 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Information management using building information modelling - Part 4: Information exchange (ISO 19650-4:2022)
CEN/TC 442 Building Information Modelling (BIM)	2020	EN ISO 19650-5:2020 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Information management using building information modelling - Part 5: Security-minded approach to information management (ISO 19650-5:2020)
CEN/TC 442 Building Information Modelling (BIM)	2025	EN ISO 19650-6:2025 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Information management using building information modelling - Part 6: Health and safety information (ISO 19650-6:2025)
CEN/TC 442 Building Information Modelling (BIM)	2020	EN ISO 21597-1:2020 Information container for linked document delivery - Exchange specification - Part 1: Container (ISO 21597-1:2020)
CEN/TC 442 Building Information Modelling (BIM)	2020	EN ISO 21597-2:2020 Information container for linked document delivery - Exchange specification - Part 2: Link types (ISO 21597-2:2020)
CEN/TC 442 Building Information Modelling (BIM)	2024	EN ISO 22014:2024 Library objects for architecture, engineering, construction and use (ISO 22014:2024)
CEN/TC 442 Building Information Modelling (BIM)	2020	EN ISO 23386:2020 Building information modelling and other digital processes used in construction - Methodology to describe, author and maintain properties in interconnected data dictionaries (ISO 23386:2020)
CEN/TC 442 Building Information Modelling (BIM)	2020	EN ISO 23387:2020 Building information modelling (BIM) - Data templates for construction objects used in the life cycle of built assets - Concepts and principles (ISO 23387:2020)
CEN/TC 442 Building Information Modelling (BIM)	2017	EN ISO 29481-1:2017 Building information models - Information delivery manual - Part 1: Methodology and format (ISO 29481-1:2016)
CEN/TC 442 Building Information Modelling (BIM)	2016	EN ISO 29481-2:2016 Building information models - Information delivery manual - Part 2: Interaction framework (ISO 29481-2:2012)
CEN/TC 442 Building Information Modelling (BIM)	2022	EN ISO 29481-3:2022 Building information models - Information delivery manual - Part 3: Data schema (ISO 29481-3:2022)
CEN/TC 442 Building Information Modelling (BIM)	2020	CEN/TR 17439:2020 Guidance on how to implement EN ISO 19650-1 and -2 in Europe

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CEN/TC 442 Building Information Modelling (BIM)	2021	CEN/TR 17654:2021 Guideline for the implementation of Exchange Information Requirements (EIR) and BIM Execution Plans (BEP) on European level based on EN ISO 19650-1 and -2
CEN/TC 442 Building Information Modelling (BIM)	2021	CEN/TR 17741:2021 Guidance for understanding and utilize EN/ISO 29481-1 Building information models - Information delivery manual - Part 1: Methodology and format
CEN/TC 442 Building Information Modelling (BIM)	2023	CEN/TR 17920:2023 BIM in infrastructure - Standardization need and recommendations
CEN/TC 442 Building Information Modelling (BIM)	2024	CEN/TR 18077:2024 Building information modelling - Digital twins applied to the built environment - Use cases
CEN/TC 442 Building Information Modelling (BIM)	2024	CEN/TR 18093:2024 Framework and Implementation of Common Data Environment solutions and workflow, in accordance with EN ISO 19650
CEN/TC 442 Building Information Modelling (BIM)	2024	CEN/TR 18113:2024 Guidance on how to implement EN ISO 19650-series in Europe, in particular parts 1, 2, 3, 4 and 5.
CEN/TC 465 Sustainable and Smart Cities and Communities	2024	EN ISO 37101:2022/A1:2024 Sustainable development in communities - Management system for sustainable development - Requirements with guidance for use - Amendment 1: Climate action changes (ISO 37101:2016/Amd 1:2024)
CEN/WS CSBIM	2024	CWA 18046:2023 Position markers for digital applications on construction sites, structural monitoring and BIM-applications

ETIM International

ETIM International	European Technical Information Model (ETIM) 10.0
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ETSI European Telecommunications Standards Institute

European Commission

European Commission	INSPIRE, Infrastructure for spatial information in Europe
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gbXML

gbXML	Green Building XML (gbXML)
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GS1

GS1	GS1-yksilöintistandardit: GTIN, SGTIN, SSCC, GLN, ja GMN tunnisteet
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IEC International Electrotechnical Commission

IEC International Electrotechnical Commission	2022	ISO/IEC 81346-1:2022(en,fr) Industrial systems, installations and equipment and industrial products — Structuring principles and reference designations — Part 1: Basic rules
IEC International Electrotechnical Commission		Cyber security and privacy publications inventory (STANDARD MAP)
ISO/IEC JTC 1	1996	ISO/IEC 11578:1996 Information technology — Open Systems Interconnection — Remote Procedure Call (RPC)
ISO/IEC JTC 1	2015	ISO/IEC 19845:2015 Information technology — Universal business language version 2.1 (UBL v2.1)
ISO/IEC JTC 1/SC 6 Telecommunications and information exchange between systems	2014	ISO/IEC 9834-8:2014 Information technology — Procedures for the operation of object identifier registration authorities — Part 8: Generation of universally unique identifiers (UUIDs) and their use in object identifiers
ISO/IEC JTC 1/SC 31 Automatic identification and data capture techniques	2014	ISO/IEC 15459-1:2014 Information technology — Automatic identification and data capture techniques — Unique identification — Part 1: Individual transport units
ISO/IEC JTC 1/SC 31 Automatic identification and data capture techniques	2015	ISO/IEC 15459-2:2015 Information technology — Automatic identification and data capture techniques — Unique identification — Part 2: Registration procedures
ISO/IEC JTC 1/SC 31 Automatic identification and data capture techniques	2014	ISO/IEC 15459-3:2014 Information technology — Automatic identification and data capture techniques — Unique identification — Part 3: Common rules
ISO/IEC JTC 1/SC 31 Automatic identification and data capture techniques	2014	ISO/IEC 15459-4:2014 Information technology — Automatic identification and data capture techniques — Unique identification — Part 4: Individual products and product packages
ISO/IEC JTC 1/SC 31 Automatic identification and data capture techniques	2014	ISO/IEC 15459-5:2014 Information technology — Automatic identification and data capture techniques — Unique identification — Part 5: Individual returnable transport items (RTIs)

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ISO/IEC JTC 1/SC 31 Automatic identification and data capture techniques	2014	ISO/IEC 15459-6:2014 Information technology — Automatic identification and data capture techniques — Unique identification — Part 6: Groupings
ISO/IEC JTC 1/SC 31 Automatic identification and data capture techniques	2016	ISO/IEC 15418:2016 Information technology — Automatic identification and data capture techniques — GS1 Application Identifiers and ASC MH10 Data Identifiers and maintenance
ISO/IEC JTC 1/SC 31 Automatic identification and data capture techniques	2009	ISO/IEC 15420:2009 Information technology — Automatic identification and data capture techniques — EAN/UPC bar code symbology specification
ISO/IEC JTC 1/SC 31 Automatic identification and data capture techniques	2024	ISO/IEC 16022:2024 Information technology — Automatic identification and data capture techniques — Data Matrix bar code symbology specification
ISO/IEC JTC 1/SC 31 Automatic identification and data capture techniques	2024	ISO/IEC 18004:2024 Information technology — Automatic identification and data capture techniques — QR code bar code symbology specification
ISO/IEC JTC 1/SC 31 Automatic identification and data capture techniques	2022	ISO/IEC 15962:2022 Information technology — Radio frequency identification (RFID) for item management — Data protocol: data encoding rules and logical memory functions
ISO/IEC JTC 1/SC 32 Data management and interchange	2023	ISO/IEC 6523-1:2023 Information technology — Structure for the identification of organizations and organization parts
ISO/IEC JTC 1/SC 41 Internet of Things and Digital Twin	2021	ISO/IEC 30165:2021 Internet of things (IoT) - Real-time IoT framework
ISO/IEC JTC 1/SC 41 Internet of Things and Digital Twin	2023	ISO/IEC TR 30172:2023 Internet of things (IoT) - Digital twin - Use cases
ISO/IEC JTC 1/SC 41 Internet of Things and Digital Twin	2023	ISO/IEC 30173:2023 Digital twin - Concepts and terminology

IHO International Hydrographic Organization

IHO International Hydrographic Organization	2020	International Hydrographic Organization: S-44 Standards for Hydrographic Surveys versio 6.1
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ISO International Organization for Standardization (Päivitystarpeiden tarkastelu 5 vuoden välein)

ISO/TC 10/SC 8 Construction documentation	2024	ISO 4172:2024 Technical product documentation (TPD) — Construction documentation — Drawings for the assembly of prefabricated structures
ISO/TC 10/SC 8 Construction documentation	2023	ISO 6284:2023 Technical product documentation — Construction documentation — Indication of limit deviations
ISO/TC 10/SC 8 Construction documentation	2025	ISO 7519:2025 Technical product documentation (TPD) — Construction documentation — General principles of presentation for general arrangement and assembly drawings
ISO/TC 37 Language and terminology	2022	ISO 704:2022 Terminology work — Principles and methods
ISO/TC 37 Language and terminology	2019	ISO 1087:2019 Terminology work and terminology science — Vocabulary
ISO/TC 37 Language and terminology	2013	ISO 22274:2013 Systems to manage terminology, knowledge and content — Concept-related aspects for developing and internationalizing classification systems
ISO/TC 37 Language and terminology	2014	ISO 24156-1:2014 Graphic notations for concept modelling in terminology work and its relationship with UML -- Part 1: Guidelines for using UML notation in terminology work
ISO/TC 37 Language and terminology	2020	ISO 29383:2020 Terminology policies — Development and implementation
ISO/TC 59 Buildings and civil engineering works	2024	ISO 4931-1:2024 Buildings and civil engineering works — Principles, framework and guidance for resilience design Part 1: Adaptation to climate change
ISO/TC 59 Buildings and civil engineering works	2021	ISO 23234:2021 Buildings and civil engineering works — Security — Planning of security measures in the built environment
ISO/TC 59/SC 2 Terminology and harmonization of languages	2020	ISO 6707-1:2020 Buildings and civil engineering works — Vocabulary — Part 1: General terms
ISO/TC 59/SC 2 Terminology and harmonization of languages	2017	ISO 6707-2:2017 Buildings and civil engineering works — Vocabulary — Part 2: Contract and communication terms
ISO/TC 59/SC 2 Terminology and harmonization of languages	2022	ISO 6707-3:2022 Buildings and civil engineering works — Vocabulary — Part 3: Sustainability terms
ISO/TC 59/SC 2 Terminology and harmonization of languages	2021	ISO 6707-4:2021 Buildings and civil engineering works — Vocabulary — Part 4: Facility management terms
ISO/TC 59/SC 2 Terminology and harmonization of languages	2020	ISO 7078:2020 Buildings and civil engineering works — Procedures for setting out, measurement and surveying — Vocabulary

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ISO/TC 59/SC 13 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM)	2023	ISO 12911:2023 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) — Framework for specification of BIM implementation
ISO/TC 59/SC 13 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM)	2013	ISO 16354:2013 Guidelines for knowledge libraries and object libraries
ISO/TC 59/SC 13 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM)	2008	ISO 22263:2008 Organization of information about construction works — Framework for management of project information
JWG 14 / ISO/TC 59/SC 13 - ISO/TC 211 WG: GIS-BIM interoperability	2021	ISO/TS 19166:2021 Geographic information — BIM to GIS conceptual mapping (B2GM)
JWG 14 / ISO/TC 59/SC 13 - ISO/TC 211 WG: GIS-BIM interoperability	2021	ISO/TR 23262:2021 GIS (geospatial) / BIM interoperability
ISO/TC 59/SC 14 Service life planning	2014	ISO 15686-4:2014 Building Construction — Service Life Planning — Part 4: Service Life Planning using IFC based Building Information Modelling
ISO/TC 59/SC 20 Resilience of buildings and civil engineering works	2023	ISO/TR 5202:2023 Buildings and civil engineering works — Building resilience strategies related to public health emergencies — Compilation of relevant information
ISO/TC 59/SC 20 Resilience of buildings and civil engineering works	2020	ISO/TR 22845:2020 Resilience of buildings and civil engineering works
ISO/TC 59/ SC 17 Sustainability in buildings and civil engineering works	2022	ISO 21931-1:2022 Sustainability in buildings and civil engineering works — Framework for methods of assessment of the environmental, social and economic performance of construction works as a basis for sustainability assessment — Part 1: Buildings
ISO/TC 127/SC 03, Machine characteristics, electrical and electronic systems, operation and maintenance	2010	ISO 15143-1:2010 Earth-moving machinery and mobile road construction machinery — Worksite data exchange. Part 1: System architecture
ISO/TC 127/SC 03, Machine characteristics, electrical and electronic systems, operation and maintenance	2010	ISO 15143-2:2010 Earth-moving machinery and mobile road construction machinery — Worksite data exchange. Part 2: Data dictionary
ISO/TC 127/SC 03, Machine characteristics, electrical and electronic systems, operation and maintenance	2020	ISO 15143-3:2020 Earth-moving machinery and mobile road construction machinery — Worksite data exchange. Part 3: Telematics data
ISO/TC 127/SC 03, Machine characteristics, electrical and electronic systems, operation and maintenance	2025	ISO/TS 15143-4:2025 Earth-moving machinery and mobile road construction machinery — Worksite data exchange — Part 4: Worksite topographical data
ISO/TC 184/SC 4 Industrial data	2024	ISO 10303-1:2024 Industrial automation systems and integration — Product data representation and exchange — Part 1: Overview and fundamental principles
ISO/TC 184/SC 4 Industrial data	2024	ISO 10303-2:2024 Industrial automation systems and integration — Product data representation and exchange — Part 2: Vocabulary
ISO/TC 204 Intelligent transport systems	2022	ISO 17572-1:2022 Intelligent transport systems (ITS) — Location referencing for geographic databases — Part 1: General requirements and conceptual model
ISO/TC 204 Intelligent transport systems	2018	ISO 17572-2:2018 Intelligent transport systems (ITS) — Location referencing for geographic databases — Part 2: Pre-coded location references (pre-coded profile)
ISO/TC 204 Intelligent transport systems	2015	ISO 17572-3:2015 Intelligent transport systems (ITS) - Location referencing for geographic databases - Part 3: Dynamic location references (dynamic profile)
ISO/TC 204 Intelligent transport systems	2020	ISO 17572-4:2020 Intelligent transport systems (ITS) — Location referencing for geographic databases — Part 4: Precise relative location references (precise relative profile)
ISO/TC 205 Building environment design	2024	ISO 16813:2024 Building environment design — Indoor environment — General principles Published (Edition 2, 2024)
ISO/TC 205 Building environment design	2008	ISO 16818:2008 Building environment design — Energy efficiency — Terminology Published (Edition 1, 2008) This publication was last reviewed and confirmed in 2020. Therefore this version remains current.
ISO/TC 211 Geographic information/Geomatics	2023	ISO/TS 19124-1:2023 Geographic information — Calibration and validation of remote sensing data and derived products — Part 1: Fundamentals
ISO/TC 211 Geographic information/Geomatics	2009	ISO/TS 19129:2009 Geographic information — Imagery, gridded and coverage data framework
ISO/TC 211 Geographic information/Geomatics	2014	ISO/TS 19130-2:2014 Geographic information — Imagery sensor models for geopositioning — Part 2: SAR, InSAR, lidar and sonar
ISO/TC 211 Geographic information/Geomatics	2022	ISO/TS 19130-3:2022 Geographic information — Imagery sensor models for geopositioning — Part 3: Implementation schema

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ISO/TC 211 Geographic information/Geomatics, CEN/TC 287 Geographic Information	2024	ISO 19164:2024(en) Geographic information — Indoor feature model
ISO/TC 251 Asset management	2024	ISO 55000:2024 Asset management — Vocabulary, overview and principles Published (Edition 2)
ISO/TC 251 Asset management	2024	ISO 55001:2024 Asset management — Asset management system — Requirements
ISO/TC 251 Asset management	2018	ISO 55002:2018 Asset management — Management systems — Guidelines for the application of ISO 55001
ISO/TC 251 Asset management	2018	SFS-ISO 55002:2018 Omaisuudenhallinta. Hallintajärjestelmät. Ohjeita standardin ISO 55001:2014 soveltamisesta
ISO/TC 251 Asset management	2024	ISO/TS 55010:2024 Asset management — Guidance on the alignment of financial and non-financial functions in asset management
ISO/TC 251 Asset management	2019	ISO/TS 55010:2019:fi Omaisuudenhallinta. Ohjeistusta omaisuudenhallinnan taloudellisten ja ei-taloudellisten toimintojen yhdenmukaistamiseen
ISO/TC 251 Asset management	2024	ISO 55011:2024 Asset management — Guidance for the development of public policy to enable asset management
ISO/TC 251 Asset management	2024	ISO 55012:2024 Asset management — Guidance on people involvement and competence
ISO/TC 251 Asset management	2024	ISO 55013:2024 Asset management — Guidance on the management of data assets
ISO/TC 268/SC 1 Smart community infrastructures	2023	ISO 37173:2023 Smart community infrastructure — Guidance for the development of smart building information systems
ISO/TC 268/SC 1 Smart community infrastructures	2022	ISO 37166:2022 Smart community infrastructures — Urban data integration framework for smart city planning (SCP)
ISO/TC 268 Sustainable cities and communities	2019	ISO 37104:2019 Sustainable cities and communities — Transforming our cities — Guidance for practical local implementation of ISO 37101
ISO/TC 268 Sustainable cities and communities	2024	ISO/TR 37112:2024 Sustainable cities and communities — Case studies in how smart city operating models support an effective public-health emergency response
ISO/TC 268 Sustainable cities and communities	2022	ISO 37108:2022 Sustainable cities and communities — Business districts — Guidance for practical local implementation of ISO 37101

JUHTA Julkisen hallinnon tietohallinnon neuvottelukunta

JUHTA	Ei päivitetä	JHS 158: Paikkatietoaineistojen ja -palveluiden metatiedot
JUHTA	Ei päivitetä	JHS 160: Paikkatiedon laadunhallinta
JUHTA	Ei päivitetä	JHS 162: Paikkatietojen mallintaminen tiedonsiirtoa varten
JUHTA	Ei päivitetä	JHS 163: Suomen korkeusjärjestelmä N2000
JUHTA	Ei päivitetä	JHS 177: Paikkatietotuotteen määrittely
JUHTA	Ei päivitetä	JHS 180: Paikkatiedon sisältöpalvelut
JUHTA	Ei päivitetä	JHS 184: Kiintopistemittaus EUREF-FIN-koordinaattijärjestelmässä
JUHTA	Ei päivitetä	JHS 185: Asemakaavan pohjakartan laatiminen
JUHTA	Ei päivitetä	JHS 188: Kansallisen tie- ja katuverkostoaineiston ylläpito ja ylläpitotietojen dokumentointi
JUHTA	Ei päivitetä	JHS 193: Paikkatiedon yksilöivät tunnukset
JUHTA	Ei päivitetä	JHS 196: EUREF-järjestelmän mukaiset koordinaatit Suomessa
JUHTA	Ei päivitetä	JHS 197: EUREF-FIN -koordinaattijärjestelmät, niihin liittyvät muunnokset ja karttalehtijako
JUHTA	Ei päivitetä	JHS 202 Kansalaishavainnot (JHS-suositus)
JUHTA	Ei päivitetä	JHS 210 Paikkatiedon mallintaminen: Rakennukset ja rakennelmat

Kuntaliitto

Kuntaliitto	2023	Infra-O Versio 2.0.2 (25-04-2023)
Kuntaliitto	2024	Kunta GML Yhteiset Versio 2.2.11
Kuntaliitto	2024	Kunta GML Opaskartta Versio 2.1.6
Kuntaliitto	2024	Kunta GML Osoitteet Versio 2.1.6

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Kuntaliitto	2024	Kunta GML Palvelut Versio 2.1.6
Kuntaliitto	2024	Kunta GML Verkkotopologia Versio 2.1.6
Kuntaliitto	2024	Kunta GML Poikkeamispäätös ja suunnittelutarveratkaisu Versio 2.2.6
Kuntaliitto	2024	Kunta GML Asemakaava Versio 2.1.6
Kuntaliitto	2024	Kunta GML Rakennusvalvonta Versio 2.2.6
Kuntaliitto	2024	Kunta GML Ympäristö Ilmoitukset Versio 2.2.6
Kuntaliitto	2024	Kunta GML Ympäristö Vesihuoltolaki Versio 2.2.6
Kuntaliitto	2024	Kunta GML Ympäristö Ympäristöluvat Versio 2.2.6
Kuntaliitto	2024	Kunta GML Ympäristö Pilaantuneet maa-alueet Versio 2.1.6
Kuntaliitto	2024	Kunta GML Ympäristö Maa-ainesluvat Versio 2.2.6
Kuntaliitto	2024	Kunta GML Ympäristö Luontokohteet Versio 2.1.6
Kuntaliitto	2024	Kunta GML Ympäristö Ympäristön tila ja seuranta Versio 2.1.6
Kuntaliitto	2024	Kunta GML Yleisen alueen käytön lupa Versio 2.2.6
Kuntaliitto	2024	Kunta GML Kantakartta Versio 2.1.6
Kuntaliitto	2024	Kunta GML Kunnan kiinteistötoimitus Versio 1.0.8
Kuntaliitto	2024	Kunta GML Maankäytön muutos (kaavan ja tonttijaon hakeminen) Versio 1.0.6
Kuntaliitto	2024	Kunta GML Yleiskaava Versio 1.0.8

OGC Open Geospatial Consortium

OGC Open Geospatial Consortium		Catalogue Service
OGC Open Geospatial Consortium		Filter encoding
OGC Open Geospatial Consortium		Geography Markup Language (GML)
OGC Open Geospatial Consortium		OGC API – Features
OGC Open Geospatial Consortium		Styled Layer Descriptor (SLD)
OGC Open Geospatial Consortium		Table Joining Service (TJS)
OGC Open Geospatial Consortium		Web Coverage Service (WCS)
OGC Open Geospatial Consortium		Web Feature Service (WFS)
OGC Open Geospatial Consortium		Web Map Service (WMS)
OGC Open Geospatial Consortium		Web Processing Service (WPS)
OGC Open Geospatial Consortium		Glossary of terms
OGC Open Geospatial Consortium	2022	OGC API - Features - Part 1: Core corrigendum Version 1.0.1 (OGC 17-069r4)
OGC Open Geospatial Consortium	2022	OGC API - Features - Part 2: Coordinate Reference Systems by Reference corrigendum Version 1.0.1 (OGC 18-058r1)
OGC Open Geospatial Consortium	2024	OGC API – Features – Part 3: Filtering Version 1.0 (OGC 19-079r2)
OGC Open Geospatial Consortium	2024	Common Query Language (CQL2) Version 1.0.0 (OGC 21-065r2)
OGC Open Geospatial Consortium	2023	OGC API – Common – Part 1: Core Version 1.0 (OGC 19-072)
OGC Open Geospatial Consortium	2021	OGC API – Processes – Part 1: Core 1.0 (OGC 18-062r2)
OGC Open Geospatial Consortium	2024	OGC API – Maps – Part 1: Core 1.0 (OGC 20-058)
OGC Open Geospatial Consortium	2022	OGC API – Tiles – Part 1: Core 1.0 (OGC 20-057)
OGC Open Geospatial Consortium	2024	OGC API – Moving Features – Part 1: Core Version 1.0 (OGC 22-003r3)
OGC Open Geospatial Consortium	2023	OGC API – Environmental Data Retrieval Standard Version 1.1 (OGC 19-086r6)

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OGC Open Geospatial Consortium	2023	3D Tiles Specification Version 1.1 (OGC 22-025r4)
OGC Open Geospatial Consortium	2023	Indexed 3d Scene Layer (I3S) and Scene Layer Package (*.slpk) Format Community Standard Version 1.3 (OGC 17-014r9)
OGC Open Geospatial Consortium	2021	OGC City Geography Markup Language (CityGML) Part 1: Conceptual Model Standard 3.0 (OGC 20-010)
OGC Open Geospatial Consortium	2023	OGC City Geography Markup Language (CityGML) Part 2: GML Encoding Standard 3.0 (OGC 21-006r2)
OGC Open Geospatial Consortium	2023	CityJSON Community Standard 2.0.0 (OGC 20-072r5)
OGC Open Geospatial Consortium	2024	OGC Model for Underground Data Definition and Integration (MUDDI) Part 1: Conceptual Model 1.0 (OGC 23-024)
OGC Open Geospatial Consortium	2020	OGC IndoorGML 1.1 (OGC 19-011r4)
OGC Open Geospatial Consortium	2016	OGC Land and Infrastructure Conceptual Model Standard (LandInfra) 1.0 (OGC 15-111r1)
OGC Open Geospatial Consortium	2017	OGC InfraGML 1.0: Part 0 – LandInfra Core – Encoding Standard 1.0 (OGC 16-100r2)
OGC Open Geospatial Consortium	2017	OGC InfraGML 1.0: Part 1 – LandInfra Land Features – Encoding Standard 1.0 (OGC 16-101r2)
OGC Open Geospatial Consortium	2017	OGC InfraGML 1.0: Part 2 – LandInfra Facilities and Projects – Encoding Standard 1.0 (OGC 16-102r2)
OGC Open Geospatial Consortium	2017	OGC InfraGML 1.0: Part 3 – Alignments – Encoding Standard 1.0 (OGC 16-103r2)
OGC Open Geospatial Consortium	2017	OGC InfraGML 1.0: Part 4 – LandInfra Roads – Encoding Standard 1.0 (OGC 16-104r2)
OGC Open Geospatial Consortium	2017	OGC InfraGML 1.0: Part 5 – Railways – Encoding Standard
OGC Open Geospatial Consortium	2017	OGC InfraGML 1.0: Part 6 – LandInfra Survey – Encoding Standard
OGC Open Geospatial Consortium	2017	OGC InfraGML 1.0: Part 7 – LandInfra Land Division – Encoding Standard 1.0 (OGC 16-107r2)

Suomen ympäristökeskus

Suomen ympäristökeskus	2024	Rakennetun ympäristön tietomallit
Suomen ympäristökeskus	2024	Rakennetun ympäristön tietojärjestelmän koodistot
Suomen ympäristökeskus	2024	Alueidenkäytön tietovaranto - Kaavatietomalli
Suomen ympäristökeskus	2024	Alueidenkäytön tietovaranto - Sitova tonttijako
Suomen ympäristökeskus	2024	Alueidenkäytön tietovaranto - Alueiden käytön rajoitukset
Suomen ympäristökeskus	2024	Kaavatietomallin koodistot
Suomen ympäristökeskus	2025	Rakennustietovaranto - Rakentamisen lupapäätökset
Suomen ympäristökeskus	2023	Rakennetun ympäristön tietokomponenttikirjasto

Väylävirasto

Väylävirasto	2022	Väyläviraston inframallivaatimukset
Väylävirasto	2017	Tie- ja ratahankkeiden maastotiedot: Mittausohje

SUOMALAISET SANASTOT

Digi- ja väestötietovirasto	2019	Väestötietojärjestelmän rakennus- ja huoneistotietojen sanasto (Yhteentoimivuusalustalla)
Finto		JUHO- Julkishallinnon ontologia
Finto	2021	JUPO - Julkisen hallinnon palveluontologia
Finto		LIKO - Liikenteen ontologia
Finto		YSO - Yleinen suomalainen ontologia
Finto	2021	PTO - Paikkatieto-ontologia
Maanmittauslaitos, Sanastokeskus	2018	Geoinformatiikan sanasto 4. laitos
Maanmittauslaitos	2021	Osoitetietojärjestelmän sanasto (Yhteentoimivuusalustalla)

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Ympäristöministeriö, Sanastokeskus	2024	Akustiikka- ja meluntorjuntasanasto (Yhteentoimivuusalustalla)
Ympäristöministeriö, Sanastokeskus	2024	Esteettömyyssanasto (Yhteentoimivuusalustalla)
Ympäristöministeriö, Sanastokeskus	2024	Kulttuuriympäristösanasto (Yhteentoimivuusalustalla)
Ympäristöministeriö, Sanastokeskus		Rakennetun ympäristön pääsanasto (Yhteentoimivuusalustalla)
Ympäristöministeriö, Sanastokeskus	2024	Teknisten verkkojen sanasto (Yhteentoimivuusalustalla)
Ympäristöministeriö, Sanastokeskus	2023	Väestötietojärjestelmän rakennus- ja huoneistotietojen sanasto (Yhteentoimivuusalustalla)
Ympäristöministeriö, Väylävirasto, Sanastokeskus	2024	Liikenneinfrastruktuurin sanasto (Yhteentoimivuusalustalla)
Ympäristöministeriö	2024	LVI-järjestelmä (Versio 1.0) (Yhteentoimivuusalustalla)
Ympäristöministeriö	2024	LVI-tuoteosa (Versio 1.0) (Yhteentoimivuusalustalla)
Ympäristöministeriö	2024	Rakennusautomaatio-järjestelmä (Versio 1.0) (Yhteentoimivuusalustalla)
Ympäristöministeriö	2024	Rakennusautomaatio-tuoteosa (Versio 1.0) (Yhteentoimivuusalustalla)
Ympäristöministeriö	2024	Sähkö-järjestelmä (Versio 1.0) (Yhteentoimivuusalustalla)
Ympäristöministeriö	2024	Sähkö-tuoteosa (Versio 1.0) (Yhteentoimivuusalustalla)
Ympäristöministeriö	2024	Talotekniikka-järjestelmä (Versio 1.0) (Yhteentoimivuusalustalla)
Ympäristöministeriö	2024	Talotekniikka-tuoteosa (Versio 1.0) (Yhteentoimivuusalustalla)
Väylävirasto	2023	Väyläsanasto: suunnittelu ja rakentaminen (Yhteentoimivuusalustalla)
Väylävirasto	2023	Väyläsanasto: viheralueet (Yhteentoimivuusalustalla)