NATIONAL STANDARDIZATION COMMISSION (ILNAS/NSC 05) ON CLOUD AND DATA

The data economy is a driver of growth and innovation in Europe. The EU's recently adopted Data Act supports this by promoting data accessibility, reinforcing user control, and safeguarding confidentiality. It aims to create a single market for data and accelerate digital transformation.

In this context, ILNAS is launching a new National Standardization Commission "Cloud and Data", offering national stakeholders the opportunity to contribute to standardization efforts aligned with European regulations.

OVERVIEW OF ILNAS/NSC 05 "CLOUD AND DATA"

Recently established by ILNAS, the National Standardization Commission **ILNAS/NSC 05 "Cloud and Data"** offers Luxembourgish stakeholders a new opportunity to actively engage in the development of standards in the fields of cloud computing and data management.

Through this commission, members will have privileged access to key European and international technical committees, enabling them to contribute to the evolution of global standards and support the implementation of strategic European regulations, such as the Data Act.

ILNAS/NSC 05 is connected to the following technical committees:

- International level -

➢ ISO/IEC JTC 1/SC 38 "Cloud computing and distributed platforms"

Standards	29	Projects	15	National delegates	5

Scope

Standardization in the areas of Cloud Computing and Distributed Platforms including:
- Foundational concepts and technologies,
- Operational issues, and
- Interactions among Cloud Computing systems and with other distributed systems

SC 38 serves as the focus, proponent, and systems integration entity on Cloud Computing, Distributed Platforms, and the application of these technologies. SC 38 provides guidance to JTC 1, IEC, ISO and other entities developing standards in these areas.

European level -

➢ CEN/CLC/JTC 25 "Data management, Dataspaces, Cloud and Edge"

Standards	0	Projects	6	National delegates	0

Scope

Standardisation in the area of data management, dataspaces, cloud and edge, including:
- data governance, data quality and data lifecycle management;
- interoperability, portability and switch ability;
- organizational frameworks and methodologies, including IT management systems;
- processes and products evaluation schemes;
- smart technology, objects, distributed computing devices, data services.

MAIN PUBLISHED STANDARDS

ISO/IEC JTC 1/SC 38 "Cloud computing and distributed platforms"	
ISO/IEC 19944-1:2020	Cloud computing and distributed platforms - Data flow, data categories and data use - Part 1: Fundamentals
ISO/IEC 19944-2:2022	Cloud computing and distributed platforms - Data flow, data categories and data use - Part 2: Guidance on application and extensibility
ISO/IEC 22624:2020	Cloud computing - Taxonomy based data handling for cloud services
ISO/IEC 23751:2022	Cloud computing and distributed platforms - Data sharing agreement (DSA) framework
ISO/IEC TR 23187:2020	Cloud computing - Interacting with cloud service partners (CSNs)
ISO/IEC TR 23188:2020	Cloud computing - Edge computing landscape
ISO/IEC 19941:2017	Cloud computing - Interoperability and portability

MAIN ONGOING PROJECTS

ISO/IEC JTC 1/SC 38 "Cloud computing and distributed platforms"	
ISO/IEC CD 20151	Cloud computing and distributed platforms - Dataspace concepts and characteristics
ISO/IEC AWI 11034	Cloud computing - Trustworthiness in cloud computing
ISO/IEC AWI 19274	Cloud computing and distributed platforms - Networking in cloud computing and edge computing
ISO/IEC AWI TR 25849	Cloud computing - Using cloud computing as part of critical infrastructure
CEN/CLC/JTC 25 "Data management, Dataspaces, Cloud and Edge"	
WI=JT025002	Implementation framework for trusted ontologies and data models
WI=JT025005	Trusted data transactions
WI=JT025001	Implementation framework for data catalogue (DCAT) profiles and extensions
WI=JT025004	Quality assessment of internal data governance processes
WI=JT025003	Maturity assessment of Common European Data Spaces
WI=JT025006	Cloud Computing - Switching and Interoperability in a European context

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