Terms of Reference for Technical Committee Data Solutions (TC DATA)
Approved at ETSI Board #151, Date: 23 January 2025

Scope

TC DATA develops deliverables to support the deployment and operation of distributed solutions for data collection, integration, sharing and management, including security and testing aspects.

The distributed solutions considered by **TC DATA** include data infrastructures, data products, data access services, and application interfaces (APIs) in the ICT domain, to be used by machines and human beings, and their virtual representations. These solutions address the three dimensions of distributed data processing, i.e., Connectivity (data in transit), Storage (data at rest) and Compute (data in process).

TC DATA is also committed to addressing European policy and regulatory requirements, including standardisation needs in the area of data interoperability, semantic interoperability, ontologies, and data governance. **TC DATA** also engages with other regulatory bodies to ensure that the output supports relevant global, regional, and national requirements.

TC DATA is responsible for providing input on technical aspects of the ETSI responses to EU Standardization Requests and other government requests regarding data solutions. **TC DATA** also provides relevant technical content for ETSI deliverables related to the European Data Act and to the data-related aspects of the European AI Act.

TC DATA cooperates with open-source initiatives relevant for the data domain standardization, including *(but not limited to)* relevant existing and future ETSI SDGs providing relevant reference implementations and interoperability testing specifications.

TC DATA cooperates with other European and international standards organizations in the data solutions domain to avoid duplication of work and promote harmonization, through the use of partnership agreements.

Areas of Activity

The activities of **TC DATA** include the following:
- Providing a centre of expertise in the area of data infrastructures, services and applications for ETSI, in coordination with the other ETSI activities in this context. This includes data solutions targeting services for IoT, human beings, telecommunication systems and networks, and other industries.
- Developing technical standards to support data interoperability and semantic interoperability.
- Maintaining and evolving specifications related to data solutions and published by other ETSI TGs, upon agreement with them. These TGs include, but are not necessarily limited to:
  - TC SmartM2M
  - ISG CDM
  - ISG PDL
  - ISG CIM
  - TC ESI
- Supporting the development and the maintenance of semantic and data models, such as SAREF (including the SAREF open portal) and NGSI-LD.
- Supporting the transposition in ETSI of the outputs of oneM2M.
- Supporting the maintenance and evolution of relevant industry data standards, such as the data model in the maritime domain.

Annex (Informative): Collaboration with Other Bodies

TC DATA seeks to re-use existing applicable standardization work and will encourage existing groups to fulfil data related requirements. **TC DATA** seeks to collaborate with other ETSI TGs to ensure the provision of complementary solutions.**TC DATA** also seeks to collaborate with ETSI PP (oneM2M and 3GPP) to assure complementary solutions with potential global applicability.

TC DATA will initially set-up the appropriate communication channels to the following groups both within and outside of ETSI, and with others as identified during the progression of the work.

ETSI groups
- EPP 3GPP
- EPP oneM2M
- TC Cyber
- TC ESI
- TC SAI
- TC SmartM2M
- ISG CDM
- ISG CIM
- ISG PDL
- ISG ZSM

External groups
- CEN/CENELEC
- Eclipse Foundation
- Gaia-X
- GSMA
- IDSA
- IETF
- ISO
- ITU-T
- Linux Foundation
- W3C

❖