Council of the European Union

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NOTE

From:	General Secretariat of the Council
To:	Delegations
Subject:	Danish Standards: The future starts with standards
	- Presentation at the Working Party on Technical Harmonisation on 12 December 2025

This document contains a presentation by an external stakeholder and the views expressed therein are solely those of the third party it originates from. This document cannot be regarded as stating an official position of the Council. It does not reflect the views of the Council or of its members.

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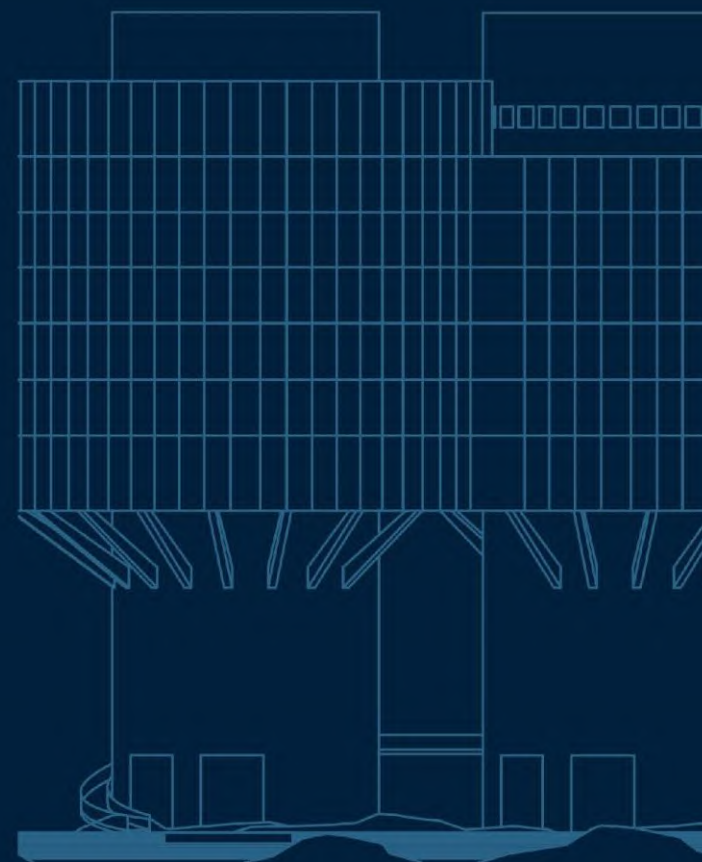
# Overview of ongoing digitalization initiatives

Agenda:

- Danish standards

- Danish Standard's digitisation projects.

- Strategic investments in AI.

- Digitalisation efforts in European and international organisations

- Future vision

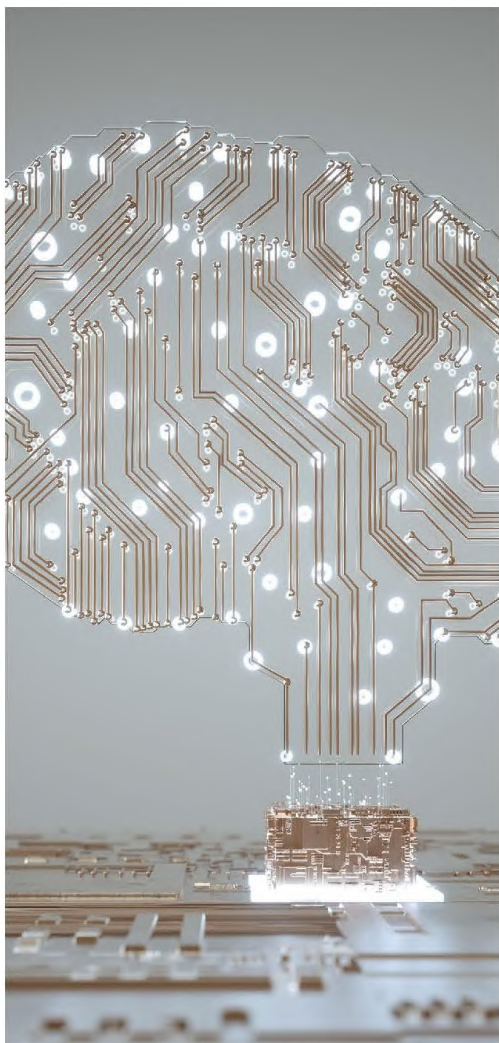About Danish Standards Foundation
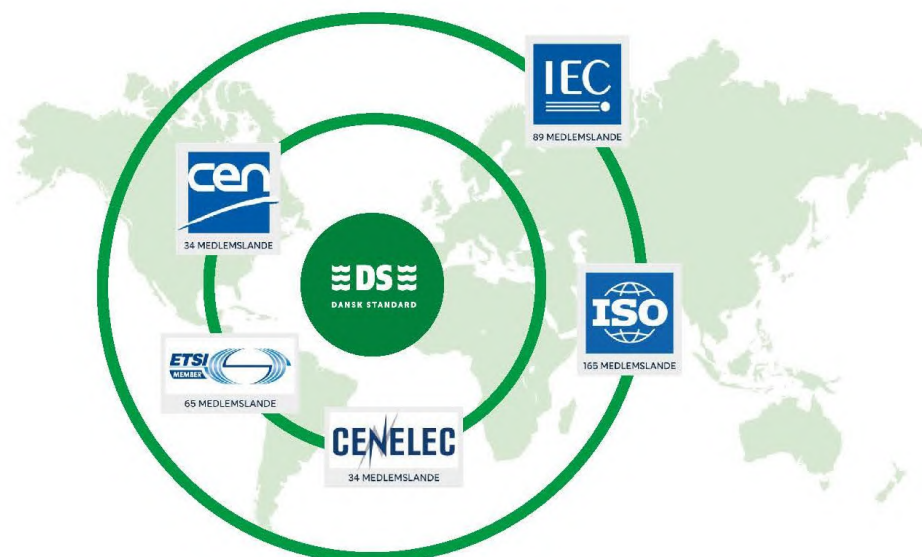
2024 turnover

- Standards*
- Standardization committees
- Consultancy and courses
- Ecolabelling Denmark
- Performance contract with the Ministry of Industry, Business and financial affairs
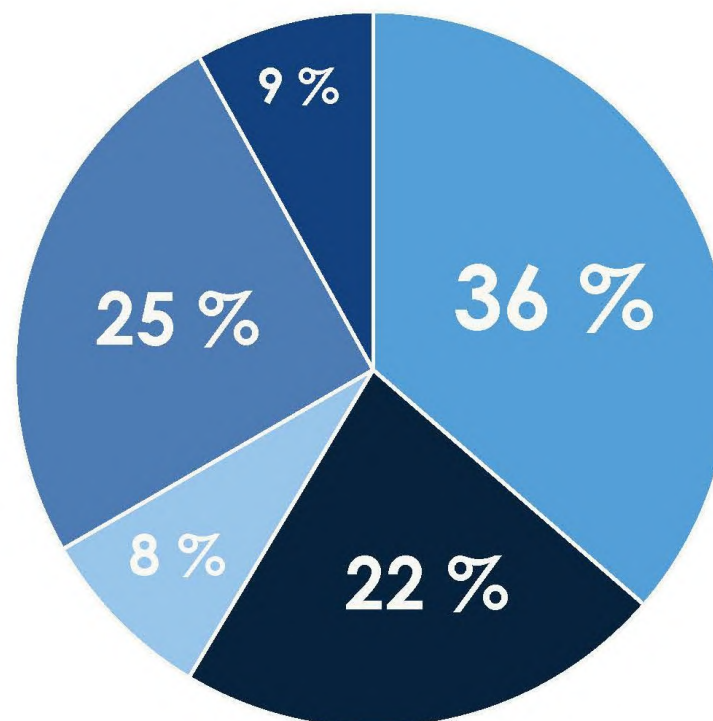
Total turnover of the parent company of the Foundation: DKK 217. 935.456 mill.

Danish Standard's digitalisation projects

DS
DANSK STANDARD

Data improvement

The aim is to improve data quality. Any form of digitization requires data of a certain quality, and a uniform structuring.

One example

DS is in the process of implementing a new system that will improve customer data (ERP). This system will ensure more reliable data and faster registration of costumers.

The majority of the data (the standards) are provided by the organizations of which DS is a member – ISO/IEC/CEN/CENELEC/ETSI.

Here, DS works actively in the governance of the organisations to improve the data quality and data structure.

Automation of processes

DS has developed automatic import and distribution of documents. This is currently done with documents for the national mirror committees at the technical level.

A robot votes on all proposals for standards where there are no Danish stakeholders.

A project is underway to automatically distribute governance documents from ISO.

DS is increasingly working with the use of API solutions to receive and transmit data.

Power Bi is also used in various contexts to ensure transparency in data.

AI in the development of standards

We promote the general use of existing AI tools in connection with committee work and other core tasks.

Thus, optimizing internal processes.

AI is being tested and used for:

- Writing minutes.

- Translation of text for English-speaking committee members.

- Deciphering new proposals for standards or revising existing ones.

- Administrative tasks in general, such as text generation, etc.

Strategic AI investments in Danish Standards

The Board of DS has approved significant investments in the coming years. The investments will contribute to creating better digital products for customers and possible new business models.

We started by mapping out use cases...

| Generated by project | • Based on market trends and data
• Experiences from other AI projects |
Generated by employees	• Workshop with focu on use case generation • Ad hoc input from collegues
IEC Use cases	• Examination of all 239 use cases on the IEC portal, and selection of 58 ideas
Customer interviews and requests	• Interviews with 13 customers and phone calls to 11 customers • Analysis of +1000 customer requests
Sister Organisations	• 6 interviews with sister organisations (focus on customer needs) • 2 interviews with a sister organisation with focus on AI

...it led to classification and prioritization with Proof of Concepts (PoC)

Solution scenario	Customer requirements	Solution description
Find Your Standard	Find the right standards for your needs	A list of relevant standards and the option to purchase the standards
Requirementss overview	Overview of the requirements they must meet, stay up to date on the latest requirements	An overview of the requirements for them across standards, legislation and other sources
Ask Your Standard	Interpret standard requirements, translate standard requirements into their specific problem	Interpretations of requirements and how they should be understood in the user's context
Use Your Standard	Assess compliance, understand the implementation process for a standard	A gap analysis of where they are not meeting requirements, concrete actions to close gaps
Communicate your Standard	Communicate requirements to colleagues, e.g. in the form of handbooks, guides, courses and general communication	Help develop communication materials in the form of internal handbooks and courses

Status december 2025

- PoC fully developed. This includes AI data structure as well as beta versions of 1) 'Find your standard', 2) 'Get an overview of requirements' and 3) 'Ask your standard – the electricity package'
- Operational infrastructure is being developed.
- Improvements are being developed for 1) "Find Your Standard" chatbot, which is expected to go live Q1 2026
- The first product of 3) "Ask your Standard – the electricity package" is in testing and is expected to be fully developed in Q1/Q2, 2026
- Future roadmap is under development
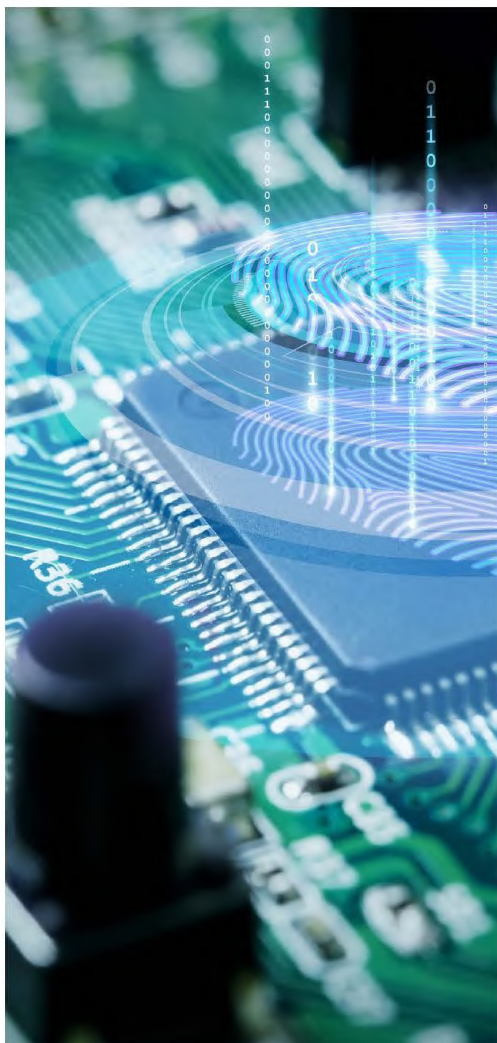
Digitalisation in European and international organisations

DS DANSK STANDARD

Standards Machine Applicable, Readable and Transferable (SMART)

SMART is an ongoing project run by ISO and IEC.

The aim is to transform traditional standards, which are primarily document-based (f.eks. PDF), into a digital, machine-readable format.

This enables digital systems and software to directly apply the content of the standards, supporting automation and efficiency in industries.

Piloting is ongoing.

SMART Standards Potential

SMART standards allow **machine-interpretable content**, enabling automation in compliance checks and integration into digital supply chains.

Benefits for industry: faster conformity assessment, reduced cost, and better interoperability.

Online Standardisation Development (OSD)

As of 1/1-2025, all new ISO and IEC standards and revisions will be developed in OSD environment. Most new standardization projects in CEN and CENELEC are expected to be done in OSD from 2026.

The purpose of OSD is to modernize and streamline the way standards are developed.

Key Features and Benefits

Collaborative authoring: Experts can work together on the same document in real-time.

Consistency and structure: OSD is built around editorial rules, ensuring that content is correctly structured from the start, reducing formatting time.

Effective commenting: Comments are provided directly in the context of the document, making it easier for committee leaders to manage and resolve comments.

Transparency: All contributors have access to the document history and can keep track of developments and the consensus process.

Improved quality: Automatic quality checks and built-in guidance help to improve content quality early in the process.

Future Vision

- Harmonized standards as dynamic digital assets, not static PDFs—enabling real-time updates and interoperability across sectors

- Digital unified flows between ESO's and EC for assessment of candidate harmonised standards across all sectors

- Central database with reliable data on references in the OJEU

- The above combination would make it easier for companies to find the harmonised standards that gives presumption of conformity

- Increased compliance will ensure safer products for consumers