# Nye udgivne danske standarder og forslag til høring December 2024

## 01.020
**Terminologi (principper og koordinering)**
Terminology (principles and coordination)

### Nye Standarder

**DS/ISO/TS 17117-3:2024**
DKK 470,00
Identisk med ISO/TS 17117-3:2024
**Sundhedsinformatik – Terminologiske ressourcer – Del 3: TIMM-model**
The document defines the progression of implementation of terminology capability in information systems.

This document does not specify requirements for any specific terminological resource. It is intended to provide a basis for conformance criteria for terminological resources capabilities in specific use cases. This document does not cover in detail the software being used, though the capabilities of that software are included and impact the level of maturity reached. This document is applicable to terminological resources of all types, terminologies, classifications, value sets, code systems, and value domains.

Projektleder: Nina Kjar

## 01.040.07
**Naturvidenskab og anvendt videnskab (Ordlister)**
Mathematics. Natural and applied sciences (Vocabularies)

### Nye Standarder

**DS/IEC 60050-428:2024**
DKK 1.055,00
Identisk med IEC 60050-428:2024 ED1
**International elektroteknisk ordbog – Del 428: Maskinsikkerhed**
IEC 60050-428:2023 gives the general terminology used in the domain of Safety of machinery – Electrotechnical aspects. It has the status of a horizontal publication in accordance with IEC Guide 108. This terminology is consistent with the terminology developed in the other specialized parts of the IEV.

Projektleder: Henning Nielsen

## 01.040.11
**Sundhedsteknologi (ordliste)**
Health care technology (Vocabularies)

### Offentliggjorte forslag

**DSF/prEN 18151**
**Deadline: 2025-02-24**
Relation: CEN
Identisk med prEN 18151
**Køleskabe og frysere til laboratorieanvendelser og medicinske anvendelser – Terminologi, krav, prøvning**
This document is applicable to refrigerating and freezing storage appliances:

– which are equipped with a cooling unit and used for specified storage applications and

– which are intended to be set up in a room with a specified ambient temperature range and a relative humidity of ≤ 75 %.

This document is not applicable to:

– cooled incubators;

– refrigerated cells and refrigerated containers > 2 000 l;

– refrigeration during transport.

Projektleder: Pernille Rasmussen

## 01.040.29
**Elektroteknik (ordliste)**
Electrical engineering (Vocabularies)

### Nye Standarder

**DS/IEC 60050-428:2024**
DKK 1.055,00
Identisk med IEC 60050-428:2024 ED1
**International elektroteknisk ordbog – Del 428: Maskinsikkerhed**
IEC 60050-428:2023 gives the general terminology used in the domain of Safety of machinery – Electrotechnical aspects. It has the status of a horizontal publication in accordance with IEC Guide 108. This terminology is consistent with the terminology developed in the other specialized parts of the IEV.

Projektleder: Henning Nielsen

## 01.040.65
**Landbrug (ordliste)**
Agriculture (Vocabularies)

### Nye Standarder

**DS/EN 17724:2024**
DKK 470,00
Identisk med EN 17724:2024
**Biostimulanter til planter – Terminologi**
This document defines terms and definitions referred to in the plant biostimulant field and consists of six subclauses:

3.1 Claims

3.2 Terms relating to components

3.3 Terms relating to the application method

3.4 Terms relating to sampling

3.5 Terms relating to the physical form

3.6 Others terms relating to plant biostimulants

Projektleder: Maria de Freiesleben Christoffersen

## 01.080.20
**Grafiske symboler til brug på specielt udstyr**
Graphical symbols for use on specific equipment

### Offentliggjorte forslag

**DSF/EN IEC 60445:2021/prA1:2024**
**Deadline: 2025-02-06**
Relation: CLC
Identisk med IEC 60445/AMD1 ED7
og EN IEC 60445:2021/prA1:2024
**Grundlæggende principper og sikkerhedsprincipper for grænseflade mellem menneske og maskine, mærkning og identifikation – Identifikation af klemmer på materiel, ledertilslutninger og ledere**
This document applies to the identification and marking of terminals of electrical equipment such as resistors, fuses, relays, contactors, transformers, rotating machines and, wherever applicable, to combinations of such equipment (e.g. assemblies), and it also applies to the identification of terminations of certain designated conductors. It also provides general rules for the use of certain colours or alphanumeric notations to identify conductors with the aim of avoiding ambiguity and ensuring safe operation. These conductor colours and alphanumeric notations are intended to be applied on cores, busbars, and electrical equipment, and in cables or installations.

This basic safety publication focusing on safety essential requirements is primarily intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51.

It is not intended for use by manufacturers or certification bodies. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Projektleder: Peter Damgaard

## 01.110
**Teknisk produktdokumentation**
Technical product documentation

### Nye Standarder

**DS/EN ISO 7499:2024**
DKK 525,00
Identisk med ISO 7499:2024
og EN ISO 7499:2024
**Teknisk produktdokumentation (TPD) – Unik integral egenskabsidentifikation (UIFI)**
This document specifies how to uniquely identify the integral features of a part by an integral feature indicator with a unique alpha-numerical label and how indication in technical product documentation (TPD) is done, where needed to improve human readability.
The proportions and dimensions of graphical symbols for a simplified indication of repeated features are also specified.

Projektleder: Peter Damgaard

**DS/EN ISO 7533:2024**
DKK 470,00
Identisk med ISO 7533:2024
og EN ISO 7533:2024
**Teknisk produktdokumentation (TPD) – Identifikation af specifikationer i den tekniske produktspecifikation (TPS)**
This document specifies rules to identify specifications in the technical product documentation (TPD). It is applicable, if needed, to facilitate communication.

Projektleder: Peter Damgaard

**DS/ISO 7499:2024**
DKK 470,00
Identisk med ISO 7499:2024
**Teknisk produktdokumentation (TPD) – Unik integral egenskabsidentifikation (UIFI)**
This document specifies how to uniquely identify the integral features of a part by an integral feature indicator with a unique alpha-numerical label and how indication in technical product documentation (TPD) is done, where needed to improve human readability.
The proportions and dimensions of graphical symbols for a simplified indication of repeated features are also specified.

Projektleder: Peter Damgaard

**DS/ISO 7533:2024**
DKK 440,00
Identisk med ISO 7533:2024
**Teknisk produktdokumentation (TPD) – Identifikation af specifikationer i den tekniske produktspecifikation (TPS)**
This document specifies rules to identify specifications in the technical product documentation (TPD). It is applicable, if needed, to facilitate communication.

Projektleder: Peter Damgaard

## 01.120
**Standardisering. Generelle regler**
Standardization. General rules

### Nye Standarder

**DS-listestof December 2024**
DKK 0,00
**Dansk Standard – Listestof 2024 – December – Dansk offentliggørelse af nye standarder, forslag til standarder og nationale tekniske forskrifter – Nye udgivne standarder og forslag til høring – Nye DS-godkendte standarder fra CEN, CENELEC og ETSI – Nye harmoniserede standarder – Nye tekniske forskrifter fra EU-, EØS- og WTO-lande**
See Danish scope.

Projektleder: Mogens Andersen

## 03.080.30
**Serviceydelser over for forbrugere**
Services for consumers

### Nye Standarder

**DS/EN 12522:2024**
DKK 440,00
Identisk med EN 12522:2024
**Møbelflytning – Møbelflytning for private – Del 1: Servicespecifikationer**
This document specifies the requirements for a furniture removal service and its provision and the general terms and conditions of contract subject always to any applicable national legislation, licensing or contractual constraints.
This document applies only to furniture removal services for private individuals where the contract is entered into by an individual or by an employer or relocation agent when the latter requires the moving of personal property, generally consisting of non-commercial property and/or property which is in current use.

Projektleder: Pernille Rasmussen

## 03.080.99
**Andre serviceydelser**
Other services

### Nye Standarder

**DS/ISO/IEC 27013:2021/Amd 1:2024**
DKK 270,00
Identisk med ISO/IEC 27013:2021/Amd 1:2024
**Informationssikkerhed, cybersikkerhed og privatlivsbeskyttelse – Vejledning i integreret implementering af ISO/IEC 27001 og ISO/IEC 20000-1 – Tillæg 1**
This document gives guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 for organizations intending to:
a) implement ISO/IEC 27001 when ISO/IEC 20000-1 is already implemented, or vice versa;
b) implement both ISO/IEC27001 and ISO/IEC 20000-1 together; or c) integrate existing management systems based on ISO/IEC27001 and ISO/IEC 20000-1.
This document focuses exclusively on the integrated implementation of an information security management system (ISMS) as specified in ISO/IEC 27001 and a service management system (SMS) as specified in ISO/IEC 20000-1.

Projektleder: Berit Aadal

## 03.100.01
**Virksomhedsorganisation og virksomhedsledelse. Generelt**
Company organization and management in general

### Offentliggjorte forslag

**DSF/ISO/DIS 22372**
**Deadline: 2025-02-18**
Relation: ISO
Identisk med ISO/DIS 22372
**Sikkerhed og robusthed – Samfundsmæssig robusthed – Retningslinjer for robust infrastruktur**
This document will provide guidance for developing, implementing, monitoring and improving infrastructure resilience in order to help ensure the continuity and effective outcomes of critical services. It can be used by any level of government, institutions, donors, infrastructure regulators, investors and owners, designers and contractors, service providers and international organizations.

Projektleder: Maria de Freiesleben Christoffersen

## 03.100.10
**Indkøb. Anskaffelse. Logistik.**
Purchasing. Procurement. Logistics

### Nye Standarder

**DS/ISO 31512:2024**
DKK 440,00
Identisk med ISO 31512:2024
**Kølekædelogistik i B2B-sektoren – Krav og retningslinjer for oplagring og transport**
This document specifies requirements and guidelines for refrigerated storage services and refrigerated transport services for foods, in the business to business (B to B) logistics sector in order to ensure that cold chains are properly maintained.
This document does not apply to logistics services for cosmetics, cigarettes, pharmaceutical and medical products, over-the-counter drugs and commercially available medicine.
This document does not apply to customs operations.
This document applies to environments where refrigeration must be created and maintained, and does not apply to environments needing to raise storage temperatures.

Projektleder: Per Velk

## 03.100.50
**Produktion. Produktionsstyring**
Production. Production management

### Nye Standarder

**DS/EN 45560:2024**
DKK 810,00
Identisk med EN 45560:2024
**Metode til at opnå cirkulært produktdesign**
This document proposes a method to achieve circular designs of products. It details principles, requirements and guidance associated with the proposed method. This document:

• specifies requirements and guidance for integrating circularity into the design and development process of products by an organization and,

• supports organizations to develop product design rules to fulfil their chosen circular business targets (e.g. the circular business models chosen by the organization or the legislation requirements).

Having life cycle thinking as a core principle, this document provides guidance on how to reduce environmental impacts, and how to deal with challenges such as trade-offs during circular product design, without compromising other product functions including safety.

This document focusses on material efficiency. It is not a management system standard.

This document can be applied when no product-specific or product group standard exist. Where such documents are developed, this document can be used as reference to ensure consistency and harmonization across the different product areas and supply chains or networks.

NOTE – For the purpose of this document, the following products are excluded: food, feed, medicinal products for human use, veterinary medicinal products, living plants, animals and microorganisms, products of human origin, products of plants and animals relating directly to their future reproduction.

Projektleder: Charlotte Vincentz Fischer

## 03.100.70
**Ledelsessystemer**
Management systems

### Offentliggjorte forslag

**DSF/DS 21001:2024**
**Deadline: 2025-02-18**
Relation: DS
**Ledelsessystemer for jernbanesikkerhed – Infrastrukturarbejde – Krav**

Projektleder: Lærke Høllund

## 03.120.30
**Anvendelse af statistiske metoder**
Application of statistical methods

### Offentliggjorte forslag

**DSF/ISO/DIS 11843-6**
**Deadline: 2025-02-14**
Relation: ISO
Identisk med ISO/DIS 11843-6
**Detektionsevne – Del 6: Metode til bestemmelse af den kritiske værdi og den mindste målbare værdi i Poissonfordelte målinger ved tilnærmet normalfordeling**
This document presents methods for determining the critical value of the response variable and the minimum detectable value in Poisson distribution measurements. It is applicable when variations in both the background noise and the signal are describable by the Poisson distribution. The conventional approximation is used to approximate the Poisson distribution by the normal distribution consistent with ISO 11843-3 and ISO 11843-4.

The accuracy of the normal approximation as compared to the exact Poisson distribution is discussed in Annex C.

Projektleder: Per Velk

**DSF/ISO/DIS 22514-7**
**Deadline: 2025-02-19**
Relation: ISO
Identisk med ISO/DIS 22514-7
**Statistiske metoder i procesledelse – Kapabilitet og ydelse – Del 7: Måleprocessers kapabilitet**
This document defines a procedure to validate measuring systems and a measurement process in order to state whether a given measurement process can satisfy the requirements for a specific measurement task with a recommendation of acceptance criteria. The acceptance criteria are defined as a capability figure (CMS, CMP) or a capability ratio (QMS, QMP).

NOTE This document follows the approach taken in ISO/IEC Guide 98-3 (GUM), and establishes a basic, simplified procedure for stating and combining uncertainty components used to estimate a capability index for an actual measurement process.

This document is primarily developed to be used for simple one-dimensional measurement processes, where it is known that the method uncertainty and the specification uncertainty are small compared to the implementation uncertainty. It can also be used in similar cases, where measurements are used to estimate process capability or process performance. It is not suitable for complex geometrical measurement processes, such as surface texture and position measurements that rely on several measurement points or simultaneous measurements in several directions.

Projektleder: Per Velk

## 03.220.01
**Transport. Generelt**
Transport in general

### Nye Standarder

**DS/ISO 21219-25:2024**
DKK 810,00
Identisk med ISO 21219-25:2024
**Intelligente transportsystemer – TTI via TPEG2 – Del 25: TPEG2-EMI**
This document specifies the "electromobility information" (EMI) TPEG application. The EMI application has been specifically designed to support information about charging infrastructure for electric vehicles (not just cars), the location of e-charging points and their suitability for the respective vehicle (e.g. connector type, charging modality). As electric vehicles will occupy a “charging space” for longer a time than other vehicles, information on availability/waiting time and reservation options are accounted for, as they are highly relevant for enabling a user of an electric vehicle to optimally plan their route/trip.

The standardized delivery, via TPEG technology, of electromobility information has the following benefits to an end user of this TPEG service:

a) identification of suitable charging units for vehicles, thus preventing unnecessary travel to find a fitting unit (also has environmental benefits);

b) verification of the real-time availability of charging units;

c) possibility of planning ahead and reserving a spot in a charging park, thus optimizing trip planning;

d) possibility of selecting a financially attractive charging point in a charging park where the operator has billing agreements with the user’s electromobility provider.

In addition to these end-user benefits, electromobility providers and charging park operators also benefit from a standardized TPEG format as it facilitates harmonization of the electromobility information with the data formats used for the exchange of information between management systems of electromobility providers and charge park operators and related specifications (e.g. Open Charge Alliance,[1] eMobility ICT Interoperability Innovation (eMI3),[2] etc.).

The EMI application, as an add-on service component next to traffic information, for example, is laid out to support large numbers of charge parks with only modest bandwidth requirements.

Projektleder: Per Velk

## 03.220.20
**Vejtransport**
Road transport

### Offentliggjorte forslag

**DSF/prEN ISO 17573-2**
**Deadline: 2025-02-26**
Relation: CEN
Identisk med ISO/TS 17573-2:2020
og prEN ISO 17573-2
**Elektronisk afgiftsopkrævning – Systemarkitektur for køretøjsrelateret opkrævning – Del 2: Terminologi**
This document defines terms within the field of electronic fee collection (EFC).
This document defines:
– terms within the fields of electronic fee collection and road user charging;
– terms that are used in standards related to electronic fee collection;
– terms of a more general use that are used more specifically in standards related to electronic fee collection.
This document does not define:
– Terms related primarily to other fields that operate in conjunction with EFC, such as terms for intelligent transport systems (ITS), common payment systems, the financial sector, etc.
– Deprecated terms.

Projektleder: Per Velk

## 07.080
**Biologi. Botanik. Zoologi**
Biology. Botany. Zoology

### Nye Standarder

**DS/ISO 18162:2024**
DKK 575,00
Identisk med ISO 18162:2024
**Bioteknologi – Biobankprocesser – Krav til pluripotente stamceller fra neurale stamceller fra mennesker**
This document specifies requirements for the biobanking of human neural stem cells (hPSC-NSCs) derived from human pluripotent stem cells (hPSCs), including the requirements for the differentiaton, culture, characterization, quality control (QC), storage, thawing and transport of hPSC-NSCs.
Requirements for the collection of biological source material, the transport to and reception of biological source material and hPSCs at the biobank, as well as the establishment, expansion and QC of hPSCs are covered in ISO 24603.
This document is applicable to all organizations performing biobanking of hPSC-NSCs used for research and development in the life sciences.
This document does not apply to hPSC-NSCs for the purpose of in vivo application in humans, clinical applications or therapeutic use.
NOTE International, national or regional regulations or requirements or multiple of them can also apply to specific topics covered in this document.

Projektleder: Lærke Høllund

## 07.100.30
**Levnedsmiddelmikrobiologi**
Food microbiology

### Offentliggjorte forslag

**DSF/EN ISO 16140-3:2021/prA1:2024**
**Deadline: 2025-02-12**
Relation: CEN
Identisk med ISO 16140-3:2021/DAmd 1
og EN ISO 16140-3:2021/prA1:2024
**Mikrobiologiske undersøgelser i fødevarekæden – Metodevalidering – Del 3: Protokol til verifikation af referencemetoder og validerede alternative metoder, der er gennemført i et enkelt laboratorium – Tillæg 1: Validerede metoder til identifikation af mikroorganismer – Teknisk verifikationsprotokol**
This document specifies the protocol for the verification of reference methods and validated alternative methods for implementation in the user laboratory.
This document is applicable to the verification of methods used for the analysis (detection and/or quantification), confirmation and typing of microorganisms in:
– products intended for human consumption;
– products intended for animal feeding;
– environmental samples in the area of food and feed production, handling;
– samples from the primary production stage.
This document is, in particular, applicable to bacteria and fungi. Some clauses can be applicable to other (micro)organisms or their metabolites, to be determined on a case-by-case basis.
The technical protocols for the verification of validated qualitative methods and validated quantitative methods are described in Clauses 5 and 6. The technical protocol for the verification of validated alternative confirmation and typing methods is described in Clause 7. The protocols for the verification of non-validated reference methods are described in Annex F.

Projektleder: Carina Dalager

**DSF/EN ISO 16140-4:2020/prA2**
**Deadline: 2025-02-12**
Relation: CEN
Identisk med ISO 16140-4:2020/DAmd 2
og EN ISO 16140-4:2020/prA2
**Mikrobiologiske undersøgelser i fødevarekæden – Metodevalidering – Del 4: Protokol for intern metodevalidering – Tillæg 2: Protokol for intern laboratorievalidering af metoder til identifikation af mikroorganismer**
This document specifies the general principles and the technical protocols for single-laboratory validation of methods for microbiology in the food chain. The protocols in this document only validate the method for the laboratory conducting the study.
This document is applicable to single-laboratory validation of:
– methods used in the analysis (detection or quantification) of microorganisms in:
– products intended for human consumption;
– products intended for animal feeding;
– environmental samples in the area of food and feed production, handling;
– samples from the primary production stage;
– methods for the confirmation or typing of microorganisms. This validation will replace only the confirmation or typing procedure of a specified method (see Annex G).
This document is, in particular, applicable to bacteria and fungi. Some clauses can be applicable to other (micro)organisms or their metabolites, to be determined on a case-by-case basis.
Single-laboratory validation is required if an interlaboratory validation in accordance with ISO 16140-2 is not appropriate. Possible applications are:
– validation of an in-house method;
– method evaluation study in the validation process of a reference method in accordance with ISO 17468;
– extension of the scope of an ISO 16140-2 validated method, e.g. category extension or test portion size;
– modifications of existing methods.
Single-laboratory validation is the second step in the standardization of a reference method (see ISO 17468). It is only applicable to methods that are fully specified with regard to all relevant parameters (including tolerances on temperatures and specifications on culture media) and that have already been optimized.

Projektleder: Carina Dalager

**DSF/ISO 16140-3:2021/DAmd 1**
**Deadline: 2025-02-03**
Relation: ISO
Identisk med ISO 16140-3:2021/DAmd 1
**Mikrobiologiske undersøgelser i fødevarekæden – Metodevalidering – Del 3: Protokol til verifikation af referencemetoder og validerede alternative metoder, der er gennemført i et enkelt laboratorium – Tillæg 1: Validerede metoder til identifikation af mikroorganismer – Teknisk verifikationsprotokol (ISO/DIS 16140-3:2017)**
This document specifies the protocol for the verification of reference methods and validated alternative methods for implementation in the user laboratory.
This document is applicable to the verification of methods used for the analysis (detection and/or quantification), confirmation and typing of microorganisms in:
– products intended for human consumption;
– products intended for animal feeding;
– environmental samples in the area of food and feed production, handling;
– samples from the primary production stage.
This document is, in particular, applicable to bacteria and fungi. Some clauses can be applicable to other (micro)organisms or their metabolites, to be determined on a case-by-case basis.
The technical protocols for the verification of validated qualitative methods and validated quantitative methods are described in Clauses 5 and 6. The technical protocol for the verification of validated alternative confirmation and typing methods is described in Clause 7. The protocols for

the verification of non-validated reference methods are described in Annex F.

Projektleder: Carina Dalager

**DSF/ISO 16140-4:2020/DAmd 2**
**Deadline: 2025-02-01**

Relation: ISO

Identisk med ISO 16140-4:2020/DAmd 2

**Mikrobiologiske undersøgelser i fødevarekæden – Metodevalidering – Del 4: Protokol for intern metodevalidering – Tillæg 2: Valideringsprotokol for enkeltlaboratoriers metoder til identifikation af mikroorganismer**

This document specifies the general principles and the technical protocols for single-laboratory validation of methods for microbiology in the food chain. The protocols in this document only validate the method for the laboratory conducting the study.

This document is applicable to single-laboratory validation of:

– methods used in the analysis (detection or quantification) of microorganisms in:

– products intended for human consumption;

– products intended for animal feeding;

– environmental samples in the area of food and feed production, handling;

– samples from the primary production stage;

– methods for the confirmation or typing of microorganisms. This validation will replace only the confirmation or typing procedure of a specified method (see Annex G).

This document is, in particular, applicable to bacteria and fungi. Some clauses can be applicable to other (micro)organisms or their metabolites, to be determined on a case-by-case basis.

Single-laboratory validation is required if an interlaboratory validation in accordance with ISO 16140-2 is not appropriate. Possible applications are:

– validation of an in-house method;

– method evaluation study in the validation process of a reference method in accordance with ISO 17468;

– extension of the scope of an ISO 16140-2 validated method, e.g. category extension or test portion size;

– modifications of existing methods.

Single-laboratory validation is the second step in the standardization of a reference method (see ISO 17468). It is only applicable to methods that are fully specified with regard to all relevant parameters (including tolerances on temperatures and specifications on culture media) and that have already been optimized.

Projektleder: Carina Dalager

## 11.020.99
**Andre standarder vedrørende sundhedsområdet generelt**

Other standards related to health care in general

### Nye Standarder

**DS/EN IEC 61340-6-1:2018/A1:2024**

DKK 355,00

Identisk med IEC 61340-6-1:2018/AMD1:2024 ED1

og EN IEC 61340-6-1:2018/A1:2024

**Elektrostatik – Del 6-1: Elektrostatisk kontrol til sundhedsvæsenet, erhvervsfaciliteter og offentlige faciliteter – Sundhedsvæsenet**

IEC 61340-6-1:2018 applies to facilities that provide healthcare including hospitals, care centres and clinics. This document provides technical requirements and recommendations for controlling electrostatic phenomena in healthcare facilities, which includes requirements for equipment, materials, and products used to control static electricity. The requirements of this document do not apply to medical electrical equipment specified in IEC 60601-1 and in vitro diagnostic (IVD) medical equipment specified in IEC 61010-2-101.

Projektleder: Pernille Rasmussen

## 11.040.01
**Medicinsk udstyr. Generelt**

Medical equipment in general

### Offentliggjorte forslag

**DSF/prEN ISO 20417**
**Deadline: 2025-02-05**

Relation: CENCLC

Identisk med ISO/DIS 20417

og prEN ISO 20417

**Medicinsk udstyr – Oplysninger, der skal stilles til rådighed af producenten**

NOTE 1 There is guidance or rationale for this Clause contained in Clause A.2.

This document specifies the requirements for information supplied by the manufacturer for a medical device or by the manufacturer for an accessory, as defined in 3.1. This document includes the generally applicable requirements for identification and labels on a medical device or accessory, the packaging, marking of a medical device or accessory, and accompanying information. This document does not specify the means by which the information is to be supplied.

NOTE 2 Some authorities having jurisdiction impose different requirements for the identification, marking and documentation of a medical device or accessory.

Specific requirements of medical device product standards or group standards take precedence over requirements of this document.

Projektleder: Lone Skjerning

## 11.040.10
**Anæstesi-, respirator- og genoplivningsudstyr**

Anaesthetic, respiratory and reanimation equipment

### Offentliggjorte forslag

**DSF/EN 60601-2-4:2011/prA2:2024**
**Deadline: 2025-02-20**

Relation: CLC

Identisk med IEC 60601-2-4/AMD2 ED3

og EN 60601-2-4:2011/prA2:2024

**Elektromedicinsk udstyr – Del 2-4: Særlige krav til grundliggende sikkerhed og væsentlige funktionsegenskaber for hjertedefibrillatorer**

IEC 60601-2-4:2010 establishes particular basic safety and essential performance requirements for cardiac defibrillators. This third edition cancels and replaces the second edition published in 2002. This edition constitutes a technical revision, revised to structurally align it with IEC 60601-1:2005 and to implement the decision of IEC SC 62A that the clause numbering structure of particular standards written to IEC 60601-1:2005 would adhere to the form specified in ISO/IEC Directives, Part 2:2004. The aim of this third edition is to bring this particular standard up to date with reference to the third edition of the general standard through reformatting and technical changes.

Projektleder: Marika Vindbjerg

**DSF/ISO/DIS 17510**
**Deadline: 2025-02-07**

Relation: ISO

Identisk med ISO/DIS 17510

**Medicinsk udstyr – Behandling af søvnapnø ved normalisering af vejrtrækning – Masker og tilbehør**

ISO 17510:2015 applies to masks and their accessories used to connect a sleep apnoea breathing therapy equipment to the patient. It specifies requirements for masks and accessories, including any connecting element, that are required to connect the patient-connection port of sleep apnoea breathing therapy equipment to a patient for the application of sleep apnoea breathing therapy (e.g. nasal masks, exhaust ports and headgear).

Projektleder: Lærke Høllund

**DSF/ISO/DIS 80601-2-74**
**Deadline: 2024-02-05**

Relation: ISO

Identisk med ISO/DIS 80601-2-74

**Elektromedicinsk udstyr – Del 2-74: Særlige krav til grundliggende sikkerhed samt væsentlige funktionskrav til respiratorisk befugtningsudstyr**

This document applies to the basic safety and essential performance of a humidifier, also hereafter referred to as ME equipment, in combination with its accessories, the combination also hereafter referred to as ME system.

This document is also applicable to those accessories intended by their manufacturer to be connected to a humidifier where the characteristics of those accessories can

affect the basic safety or essential performance of the humidifier.

EXAMPLE 1 Heated breathing tubes (heated-wire breathing tubes) or ME equipment intended to control these heated breathing tubes (heated breathing tube controllers).

NOTE 1 Heated breathing tubes and their controllers are ME equipment and are subject to the requirements of IEC 60601-1.

NOTE 2 ISO 5367 specifies other safety and performance requirements for breathing tubes.

This document includes requirements for the different medical uses of humidification, such as invasive ventilation, non-invasive ventilation, nasal high-flow therapy, and obstructive sleep apnoea therapy, as well as humidification therapy for tracheostomy patients.

NOTE 3 A humidifier can be integrated into other equipment. When this is the case, the requirements of the other equipment also apply to the humidifier.

EXAMPLE 2 Heated humidifier incorporated into a critical care ventilator where ISO 80601-2-12[10] also applies.

EXAMPLE 3 Heated humidifier incorporated into a homecare ventilator for dependent patients where ISO 80601-2-72[12] also applies.

EXAMPLE 4 Heated humidifier incorporated into sleep apnoea therapy equipment where ISO 80601-2-70[11] also applies.

EXAMPLE 5 Heated humidifier incorporated into ventilatory support equipment where either ISO 80601-2-79[13] or ISO 80601-2-80[14] also apply.

EXAMPLE 6 Heated humidifier incorporated into respiratory high-flow therapy equipment where ISO 80601-2-90[15] also applies.

This document also includes requirements for an active HME (heat and moisture exchanger), ME equipment which actively adds heat and moisture to increase the humidity level of the gas delivered from the HME to the patient. This document is not applicable to a passive HME, which returns a portion of the expired moisture and heat of the patient to the respiratory tract during inspiration without adding heat or moisture.

NOTE 4 ISO 9360-1 and ISO 9360-2[4] specify safety and performance requirements for a passive HME.

NOTE 5 If a clause or subclause is specifically intended to be applicable to ME equipment only, or to ME systems only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME equipment and to ME systems, as relevant.

Hazards inherent in the intended physiological function of ME equipment or ME systems within the scope of this document are not covered by specific requirements in this document except in IEC 60601-1:2005+AMD1:2012+AMD2:2020, 7.2.13 and 8.4.1.

NOTE 6 Additional information can be found in IEC 60601-1:2005+AMD1:2012+AMD2:2020, 4.2.

This document does not specify the requirements for cold pass-over or cold bubble-through humidification devices, the requirements for which are given in ISO 20789[6].

This document is not applicable to equipment commonly referred to as "room humidifiers" or humidifiers used in heating, ventilation and air conditioning systems, or humidifiers incorporated into infant incubators.

This document is not applicable to nebulizers used for the delivery of a drug to patients.

NOTE 7 ISO 27427[7] specifies the safety and performance requirements for nebulizers.

Projektleder: Lærke Høllund

**DSF/ISO/DIS 80601-2-90**
**Deadline: 2025-02-05**

Relation: ISO

Identisk med ISO/DIS 80601-2-90

**Elektromedicinsk udstyr – Del 2-90: Særlige krav til grundlæggende sikkerhed og væsentlige funktionsegenskaber for udstyr til respirationsterapi med højt flow**

This document applies to the basic safety and essential performance of respiratory high-flow therapy equipment, as defined in 201.3.220, hereafter also referred to as ME equipment or ME system, in combination with its accessories:

– intended for use with patients who can breathe spontaneously; and

– intended for patients who would benefit from improved alveolar gas exchange; and who would benefit from receiving high-flow humidified respiratory gases, which can include a patient whose upper airway is bypassed.

EXAMPLE 1 Patients with Type 1 Respiratory Failure who exhibit a reduction in arterial blood oxygenation.

EXAMPLE 2 Patients who would benefit from reduced work of breathing, as needed in Type 2 Respiratory Failure, where arterial carbon dioxide is high.

EXAMPLE 3 Patients requiring humidification to improve mucociliary clearance.

Respiratory high-flow therapy equipment can be intended for use in the home healthcare environment or intended for use in professional healthcare facilities.

NOTE 1 In the home healthcare environment, the supply mains is often not reliable.

Respiratory high-flow therapy equipment can be:

– fully integrated ME equipment; or

– a combination of separate items forming a ME system.

This standard also applies to other types of respiratory equipment when that equipment includes a respiratory high-flow therapy mode.

NOTE 2 This standard and ISO 80601-2-12[14] are applicable to a critical care ventilator with a high-flow therapy mode.

Respiratory high-flow therapy equipment can be transit-operable.

This document is also applicable to those accessories intended by their manufacturer to be connected to the respiratory high-flow therapy equipment, where the characteristics of those accessories can affect the basic safety or essential performance of the respiratory high-flow therapy equipment.

EXAMPLE 4 Breathing sets, connectors, humidifier, breathing system filter, external electrical power source, distributed alarm system, high-flow nasal cannula, tracheal tube, tracheostomy tube, face mask and supra-laryngeal airway.

If a clause or subclause is specifically intended to be applicable to ME equipment only, or to ME systems only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME equipment and to ME systems, as relevant.

Hazards inherent in the intended physiological function of ME equipment or ME systems within the scope of this document are not covered by specific requirements in this document except in the general standard, 7.2.13 and 8.4.1.

NOTE 3 Additional information can be found in the general standard, 4.2.

This document does not specify the requirements for:

– ventilators or accessories for ventilator-dependent patients intended for critical care applications, which are given in ISO 80601-2-12[14];

– ventilators or accessories intended for anaesthetic applications, which are given in ISO 80601-2-13[15];

– ventilators or accessories intended for the emergency medical services environment, which are given in ISO 80601-2-84[20];

– ventilators or accessories intended for ventilator-dependent patients in the home healthcare environment, which are given in ISO 80601-2-72[17];

– ventilatory support equipment or accessories intended for patients with ventilatory impairment, which are given in ISO 80601-2-79[18];

– ventilatory support equipment or accessories intended for patients with ventilatory insufficiency, which are given in ISO 80601-2-80[19];

– sleep apnoea therapy ME equipment, which are given in ISO 80601-2-70[16];

– continuous positive airway pressure (CPAP) ME equipment;

– high-frequency jet ventilators (HFJVs) [31], which are given in ISO 80601-2-87[21];

– gas mixers for medical use, which are given in ISO 11195[9];

– flowmeters, which are given in ISO 15002[11];

– high-frequency oscillatory ventilators (HFOVs), which are given in ISO 80601-2-87[21]; and

– cuirass or "iron-lung" ventilation equipment.

This document is a particular standard in the IEC 60601 series, the IEC 80601 series and the ISO 80601 series.

Projektleder: Lærke Høllund

**DSF/prEN ISO 17510**
**Deadline: 2025-02-19**

Relation: CEN

Identisk med ISO/DIS 17510

og prEN ISO 17510

**Medicinsk udstyr – Behandling af søvnapnø ved normalisering af vejrtrækning – Masker og tilbehør**

ISO 17510:2015 applies to masks and their accessories used to connect a sleep apnoea breathing therapy equipment to the patient. It specifies requirements for masks and accessories, including any connecting element, that are required to connect the patient-connection port of sleep apnoea breathing therapy equipment to a patient for the application of sleep apnoea breathing therapy (e.g. nasal masks, exhaust ports and headgear).

Projektleder: Lærke Høllund

**DSF/prEN ISO 80601-2-70**
**Deadline: 2025-02-26**

Relation: CEN

Identisk med ISO/DIS 80601-2-70

og prEN ISO 80601-2-70

**Elektromedicinsk udstyr – Del 2-70: Særlige krav til grundliggende sikkerhed og væsentlige funktioner af udstyr til åndedrætsbehandling af søvnapnø**

This document is applicable to the basic safety and essential performance of sleep apnoea breathing therapy equipment, hereafter referred to as ME equipment, intended to alleviate the symptoms of patients who suffer from obstructive sleep apnoea by delivering a therapeutic breathing pressure to the respiratory tract of the patient. Sleep apnoea breathing therapy equipment is intended for use in the home healthcare environment by lay operators as well as in professional healthcare institutions.

* Sleep apnoea breathing therapy equipment is not considered to utilize a physiologic closed-loop-control system unless it uses a physiological patient variable to adjust the therapy settings.

This document excludes sleep apnoea breathing therapy equipment intended for use with neonates.

This document is applicable to ME equipment or an ME system intended for those patients who are not dependent on mechanical ventilation.

This document is not applicable to ME equipment or an ME system intended for those patients who are dependent on mechanical ventilation such as patients with central sleep apnoea.

This document is also applicable to those accessories intended by their manufacturer to be connected to sleep apnoea breathing therapy equipment, where the characteristics of those accessories can affect the basic safety or essential performance of the sleep apnoea breathing therapy equipment.

Masks and application accessories intended for use during sleep apnoea breathing therapy are additionally addressed by ISO 17510. Refer to Figure AA.1 for items covered further under this document.

If a clause or subclause is specifically intended to be applicable to ME equipment only, or to ME systems only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME equipment and to ME systems, as relevant.

Hazards inherent in the intended physiological function of ME equipment or ME systems within the scope of this document are not covered by specific requirements in this document except in 7.2.13 and 8.4.1 of the general standard.

NOTE – See also 4.2 of the general standard.

This document is not applicable to high-frequency jet ventilators (HFJVs) or high-frequency oscillatory ventilators (HFOVs), which are given in ISO 80601-2-87[13].

This document does not specify the requirements for ventilators or accessories intended for critical care ventilators for ventilator-dependent patients, which are given in ISO 80601-2-12.

This document does not specify the requirements for ventilators or accessories intended for anaesthetic applications, which are given in ISO 80601-2-13[8].

This document does not specify the requirements for ventilators or accessories intended for home care ventilators for ventilator-dependent patients, which are given in ISO 80601-2-72[9].

This document does not specify the requirements for ventilators or accessories intended for emergency and transport, which are given in ISO 80601-2-84[12].

This document does not specify the requirements for ventilators or accessories intended for home-care ventilatory support, which are given in ISO 80601-2-79[10] and ISO 80601-2-80[11].

Projektleder: Lærke Høllund

**DSF/prEN ISO 80601-2-74**
**Deadline: 2025-02-12**

Relation: CEN

Identisk med ISO/DIS 80601-2-74

og prEN ISO 80601-2-74

**Elektromedicinsk udstyr – Del 2-74: Særlige krav til grundliggende sikkerhed samt væsentlige funktionskrav til respiratorisk befugtningsudstyr**

This document applies to the basic safety and essential performance of a humidifier, also hereafter referred to as ME equipment, in combination with its accessories, the combination also hereafter referred to as ME system.

This document is also applicable to those accessories intended by their manufacturer to be connected to a humidifier where the characteristics of those accessories can affect the basic safety or essential performance of the humidifier.

EXAMPLE 1 Heated breathing tubes (heated-wire breathing tubes) or ME equipment intended to control these heated breathing tubes (heated breathing tube controllers).

NOTE 1 Heated breathing tubes and their controllers are ME equipment and are subject to the requirements of IEC 60601-1.

NOTE 2 ISO 5367 specifies other safety and performance requirements for breathing tubes.

This document includes requirements for the different medical uses of humidification, such as invasive ventilation, non-invasive ventilation, nasal high-flow therapy, and obstructive sleep apnoea therapy, as well as humidification therapy for tracheostomy patients.

NOTE 3 A humidifier can be integrated into other equipment. When this is the case, the requirements of the other equipment also apply to the humidifier.

EXAMPLE 2 Heated humidifier incorporated into a critical care ventilator where ISO 80601-2-12[10] also applies.

EXAMPLE 3 Heated humidifier incorporated into a homecare ventilator for dependent patients where ISO 80601-2-72[12] also applies.

EXAMPLE 4 Heated humidifier incorporated into sleep apnoea therapy equipment where ISO 80601-2-70[11] also applies.

EXAMPLE 5 Heated humidifier incorporated into ventilatory support equipment where either ISO 80601-2-79[13] or ISO 80601-2-80[14] also apply.

EXAMPLE 6 Heated humidifier incorporated into respiratory high-flow therapy equipment where ISO 80601-2-90[15] also applies.

This document also includes requirements for an active HME (heat and moisture exchanger), ME equipment which actively adds heat and moisture to increase the humidity level of the gas delivered from the HME to the patient. This document is not applicable to a passive HME, which returns a portion of the expired moisture and heat of the patient to the respiratory tract during inspiration without adding heat or moisture.

NOTE 4 ISO 9360-1 and ISO 9360-2[4] specify safety and performance requirements for a passive HME.

NOTE 5 If a clause or subclause is specifically intended to be applicable to ME equipment only, or to ME systems only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME equipment and to ME systems, as relevant.

Hazards inherent in the intended physiological function of ME equipment or ME systems within the scope of this document are not covered by specific requirements in this document except in IEC 60601-1:2005+AMD1:2012+AMD2:2020, 7.2.13 and 8.4.1.

NOTE 6 Additional information can be found in IEC 60601-1:2005+AMD1:2012+AMD2:2020, 4.2.

This document does not specify the requirements for cold pass-over or cold bubble-through humidification devices, the requirements for which are given in ISO 20789[6].

This document is not applicable to equipment commonly referred to as "room humidifiers" or humidifiers used in heating, ventilation and air conditioning systems, or humidifiers incorporated into infant incubators.

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Projektleder: Lærke Høllund

**DSF/prEN ISO 80601-2-90**
**Deadline: 2025-02-12**
Relation: CEN
Identisk med ISO/DIS 80601-2-90
og prEN ISO 80601-2-90
**Elektromedicinsk udstyr – Del 2-90: Særlige krav til grundlæggende sikkerhed og væsentlige funktionsegenskaber for udstyr til respirationsterapi med højt flow**
This document applies to the basic safety and essential performance of respiratory high-flow therapy equipment, as defined in 201.3.220, hereafter also referred to as ME equipment or ME system, in combination with its accessories:
– intended for use with patients who can breathe spontaneously; and
– intended for patients who would benefit from improved alveolar gas exchange; and who would benefit from receiving high-flow humidified respiratory gases, which can include a patient whose upper airway is bypassed.
EXAMPLE 1 Patients with Type 1 Respiratory Failure who exhibit a reduction in arterial blood oxygenation.
EXAMPLE 2 Patients who would benefit from reduced work of breathing, as needed in Type 2 Respiratory Failure, where arterial carbon dioxide is high.
EXAMPLE 3 Patients requiring humidification to improve mucociliary clearance.
Respiratory high-flow therapy equipment can be intended for use in the home healthcare environment or intended for use in professional healthcare facilities.
NOTE 1 In the home healthcare environment, the supply mains is often not reliable.
Respiratory high-flow therapy equipment can be:
– fully integrated ME equipment; or
– a combination of separate items forming a ME system.
This standard also applies to other types of respiratory equipment when that equipment includes a respiratory high-flow therapy mode.
NOTE 2 This standard and ISO 80601-2-12[14] are applicable to a critical care ventilator with a high-flow therapy mode.
Respiratory high-flow therapy equipment can be transit-operable.
This document is also applicable to those accessories intended by their manufacturer to be connected to the respiratory high-flow therapy equipment, where the characteristics of those accessories can affect the basic safety or essential performance of the respiratory high-flow therapy equipment.
EXAMPLE 4 Breathing sets, connectors, humidifier, breathing system filter, external electrical power source, distributed alarm system, high-flow nasal cannula, tracheal tube, tracheostomy tube, face mask and supra-laryngeal airway.
If a clause or subclause is specifically intended to be applicable to ME equipment only, or to ME systems only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME equipment and to ME systems, as relevant.
Hazards inherent in the intended physiological function of ME equipment or ME systems within the scope of this document are not covered by specific requirements in this document except in the general standard, 7.2.13 and 8.4.1.
NOTE 3 Additional information can be found in the general standard, 4.2.
This document does not specify the requirements for:
– ventilators or accessories for ventilator-dependent patients intended for critical care applications, which are given in ISO 80601-2-12[14];
– ventilators or accessories intended for anaesthetic applications, which are given in ISO 80601-2-13[15];
– ventilators or accessories intended for the emergency medical services environment, which are given in ISO 80601-2-84[20];
– ventilators or accessories intended for ventilator-dependent patients in the home healthcare environment, which are given in ISO 80601-2-72[17];
– ventilatory support equipment or accessories intended for patients with ventilatory impairment, which are given in ISO 80601-2-79[18];
– ventilatory support equipment or accessories intended for patients with ven

Projektleder: Lærke Høllund

## 11.040.20
**Transfusions-, infusions- og injektionsudstyr**
Transfusion, infusion and injection equipment

### Nye Standarder

**DS/EN ISO 80369-20:2024**
DKK 665,00
Identisk med ISO 80369-20:2024
og EN ISO 80369-20:2024
**Konnektorer med lille diameter til væsker og gasser til medicinsk brug – Del 20: Generelle prøvningsmetoder**
NOTE Clause A.2 contains guidance or rationale for this clause.
This document specifies the common test methods to evaluate the performance requirements for small-bore connectors specified in the ISO and IEC 80369 series as well as the ISO 18250 series.

Projektleder: Lone Skjerning

**DS/ISO 80369-20:2024**
DKK 665,00
Identisk med ISO 80369-20:2024
**Konnektorer med lille diameter til væsker og gasser til medicinsk brug – Del 20: Generelle prøvningsmetoder**
NOTE Clause A.2 contains guidance or rationale for this clause.
This document specifies the common test methods to evaluate the performance requirements for small-bore connectors specified in the ISO and IEC 80369 series as well as the ISO 18250 series.

Projektleder: Lone Skjerning

## 11.040.25
**Sprøjter, kanyler og katetre**
Syringes, needles and catheters

### Nye Standarder

**DS/EN ISO 80369-20:2024**
DKK 665,00
Identisk med ISO 80369-20:2024
og EN ISO 80369-20:2024
**Konnektorer med lille diameter til væsker og gasser til medicinsk brug – Del 20: Generelle prøvningsmetoder**
NOTE Clause A.2 contains guidance or rationale for this clause.
This document specifies the common test methods to evaluate the performance requirements for small-bore connectors specified in the ISO and IEC 80369 series as well as the ISO 18250 series.

Projektleder: Lone Skjerning

**DS/ISO 80369-20:2024**
DKK 665,00
Identisk med ISO 80369-20:2024
**Konnektorer med lille diameter til væsker og gasser til medicinsk brug – Del 20: Generelle prøvningsmetoder**
NOTE Clause A.2 contains guidance or rationale for this clause.
This document specifies the common test methods to evaluate the performance requirements for small-bore connectors specified in the ISO and IEC 80369 series as well as the ISO 18250 series.

Projektleder: Lone Skjerning

## 11.040.40
**Implantater til kirurgi, protetik og ortoptik**
Implants for surgery, prosthetics and orthotics

### Offentliggjorte forslag

**DSF/ISO/DIS 5834-1**
**Deadline: 2025-02-06**
Relation: ISO
Identisk med ISO/DIS 5834-1
**Kirurgiske implantater – Polyethylen med ultrahøj molekylvægt – Del 1: Pulverform**
This document specifies the requirements and corresponding test methods for ultra-high-molecular-weight polyethylene (UHMWPE) powder moulding materials for use in the manufacture of moulded forms that are subsequently used in the manufacture of surgical implants.
This document is not applicable to UHMWPE moulding materials that were blended with any additives or different forms of polyethylene.

Projektleder: Lærke Høllund

**DSF/ISO/DIS 5834-2**
**Deadline: 2025-02-06**
Relation: ISO
Identisk med ISO/DIS 5834-2
**Kirurgiske implantater – Polyethylen med ultrahøj molekylvægt – Del 2: Halvfabrikata**
This document specifies the requirements and corresponding test methods for moul-

ded forms (e.g. sheets, rods and near net shape bars) made from ultra-high-molecular-weight polyethylene (UHMWPE) powder for use in the manufacture of surgical implants.

This document is not applicable to moulded forms that were intentionally irradiated, that were made from UHMWPE blended with additives or UHMWPE blended with different forms of polyethylene, and the packaged and sterilized finished implant.

Projektleder: Lærke Høllund

**DSF/ISO/DIS 5834-3**
**Deadline: 2025-02-06**

Relation: ISO

Identisk med ISO/DIS 5834-3

**Kirurgiske implantater – Polyethylen med ultrahøj molekylvægt – Del 3: Metoder til accelereret ældning efter gammabestråling i luft**

This document specifies a test method for investigating the oxidative stability of ultra-high-molecular-weight polyethylene (UHMWPE) moulded forms as a function of processing and sterilization method. This document describes a laboratory method for accelerated ageing of specimens taken from UHMWPE moulded forms or forms fabricated from these for use in the manufacture of surgical implants. The specimens are aged at elevated temperature and at elevated oxygen pressure, to accelerate oxidation of the material and thereby allow for the evaluation of its potential long-term chemical and mechanical stability.

Projektleder: Lærke Høllund

**DSF/ISO/DIS 5834-4**
**Deadline: 2025-02-06**

Relation: ISO

Identisk med ISO/DIS 5834-4

**Kirurgiske implantater – Polyethylen med ultrahøj molekylvægt – Del 4: Målemetode til bestemmelse af oxidationsindeks**

This document specifies a method for the measurement of the relative extent of oxidation present in ultra-high-molecular-weight polyethylene (UHMWPE) moulded forms or forms fabricated for use in the manufacture of surgical implants.

Projektleder: Lærke Høllund

**DSF/ISO/DIS 5834-5**
**Deadline: 2025-02-06**

Relation: ISO

Identisk med ISO/DIS 5834-5

**Kirurgiske implantater – Polyethylen med ultrahøj molekylvægt – Del 5: Metode til vurdering af morfologi**

This document specifies the test method for assessing the morphology of UHMWPE moulded forms as defined in ISO 5834-2.

The assessment of morphology of UHMWPE moulded forms is not required in routine monitoring of validated moulding process because alternative test methods as defined in ISO 5834-2, such as density and mechanical properties, already provide reasonable, redundant assurance of successful consolidation.

This document is not applicable to UHMWPE powder forms, which are described in ISO 5834-1.

NOTE Performance requirements for this test method have not been established.

Projektleder: Lærke Høllund

## 11.040.55
**Diagnostisk udstyr**
Diagnostic equipment

### Offentliggjorte forslag

**DSF/ISO/DIS 12487**
**Deadline: 2025-02-02**

Relation: ISO

Identisk med ISO/DIS 12487

**Elektromedicinsk udstyr – Vurdering af kliniske termometres kliniske ydeevne**

This document specifies the requirements and methods for the clinical investigation of ME equipment used to measure the body temperature in indirect measurement mode.

This document covers both intermittently and continuously measuring clinical thermometers.

NOTE For clinical thermometers in direct measurement mode determining the technical accuracy in accordance with IEC 80601-2-56 is typically sufficient.

This document specifies additional disclosure requirements.

This document is not applicable to the clinical investigation of a screening thermographs for human febrile temperature screening whose laboratory accuracy requirements are described in IEC 80601-2-59.

Projektleder: Lærke Høllund

**DSF/prEN ISO 12487**
**Deadline: 2025-02-12**

Relation: CEN

Identisk med ISO/DIS 12487

og prEN ISO 12487

**Elektromedicinsk udstyr – Vurdering af kliniske termometres kliniske ydeevne**

This document specifies the requirements and methods for the clinical investigation of ME equipment used to measure the body temperature in indirect measurement mode.

This document covers both intermittently and continuously measuring clinical thermometers.

NOTE For clinical thermometers in direct measurement mode determining the technical accuracy in accordance with IEC 80601-2-56 is typically sufficient.

This document specifies additional disclosure requirements.

This document is not applicable to the clinical investigation of a screening thermographs for human febrile temperature screening whose laboratory accuracy requirements are described in IEC 80601-2-59.

Projektleder: Bibi Nellemose

## 11.040.70
**Øjenudstyr**
Ophthalmic equipment

### Nye Standarder

**DS/EN ISO 15004-2:2024**
DKK 810,00
Identisk med ISO 15004-2:2024
og EN ISO 15004-2:2024

**Oftalmologiske instrumenter – Grundlæggende krav og prøvningsmetoder – Del 2: Beskyttelse mod lysfarer**

This document specifies fundamental requirements for optical radiation safety for ophthalmic instruments and is applicable to all ophthalmic instruments that direct optical radiation into or at the eye. It is also applicable to all new and emerging ophthalmic instruments that direct optical radiation into or at the eye, as well as to those portions of therapeutic or surgical systems that direct optical radiation into or at the eye for diagnostic, illumination, measurement, imaging or alignment purposes.

NOTE For the purpose of this document, optical radiation relates to the wavelength range of 250 nm to 2 500 nm.

This document does not apply to therapeutic radiation. However, in the case of the treatment beams of therapeutic devices, when conducting risk assessments for non-target tissues, the limits given in this document may be applied to those parts of the treatment beam that strike non-target tissue.

Where vertical (instrument-specific) International Standards contain specific light hazard requirements different from those given in ISO 15004-2, then those in the vertical International Standard take precedence.

This document classifies ophthalmic instruments into either Group 1 or Group 2 to distinguish instruments that are non-hazardous from those that are potentially hazardous.

Projektleder: Nina Kjar

**DS/EN ISO 7944:2024**
DKK 355,00
Identisk med ISO 7944:2024
og EN ISO 7944:2024

**Optik og optiske instrumenter – Referencebølgelængder**

This document specifies reference wavelengths to be used for the characterization of optical materials, optical systems and instruments, and ophthalmic lenses. It defines the associated principal refractive indices and principal dispersions, as well as the Abbe numbers with regard to these reference wavelengths and principal dispersions.

Projektleder: Nina Kjar

**DS/ISO 15004-2:2024**
DKK 810,00
Identisk med ISO 15004-2:2024

**Oftalmologiske instrumenter – Grundlæggende krav og prøvningsmetoder – Del 2: Beskyttelse mod lysfarer**

This document specifies fundamental requirements for optical radiation safety for ophthalmic instruments and is applicable to all ophthalmic instruments that

direct optical radiation into or at the eye. It is also applicable to all new and emerging ophthalmic instruments that direct optical radiation into or at the eye, as well as to those portions of therapeutic or surgical systems that direct optical radiation into or at the eye for diagnostic, illumination, measurement, imaging or alignment purposes.

NOTE For the purpose of this document, optical radiation relates to the wavelength range of 250 nm to 2 500 nm.

This document does not apply to therapeutic radiation. However, in the case of the treatment beams of therapeutic devices, when conducting risk assessments for non-target tissues, the limits given in this document may be applied to those parts of the treatment beam that strike non-target tissue.

Where vertical (instrument-specific) International Standards contain specific light hazard requirements different from those given in ISO 15004-2, then those in the vertical International Standard take precedence.

This document classifies ophthalmic instruments into either Group 1 or Group 2 to distinguish instruments that are non-hazardous from those that are potentially hazardous.

Projektleder: Nina Kjar

**DS/ISO 19045-2:2024**
DKK 575,00
Identisk med ISO 19045-2:2024
**Øjenoptik – Kontaktlinseplejeprodukter – Del 2: Metode til evaluering af kontaktlinseplejeprodukters desinfektionseffektivitet ved hjælp af akantamøbetrofozoitter som belastningsorganismer**
This document specifies a test method to be used in evaluating the antimicrobial activity of products for contact lens disinfection by chemical methods using the trophozoite form of Acanthamoeba species as the challenge organism.

This document is not applicable to the evaluation of oxidative systems that require a special lens case for use.

Projektleder: Nina Kjar

## 11.040.99
**Andet medicinsk udstyr**
Other medical equipment

### Offentliggjorte forslag

**DSF/prEN IEC 60601-2-91:2024**
**Deadline: 2025-01-21**
Relation: CLC
Identisk med IEC 60601-2-91 ED1
og prEN IEC 60601-2-91:2024
**Særlige krav til grundliggende sikkerhed og væsentlige funktionsegenskaber ved udstyr til sårbehandling med ikke-termisk plasma**
This part of IEC 60601 applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of NON-THERMAL PLASMA

112 WOUND TREATMENT EQUIPMENT hereafter referred to as ME EQUIPMENT.

113 NON-THERMAL PLASMA WOUND TREATMENT EQUIPMENT apples to chronic and acute wounds as well as diverse

114 skin and itching diseases

115 HAZARDS inherent in the intended physiological function of ME EQUIPMENT or ME SYSTEMS within the scope of

116 this document are not covered by specific requirements in this document except in 7.2.13 of the general

117 standard.

118 This document does not apply to:

119 – ME EQUIPMENT intended for the haemostasis in biological tissue by using ionized gas ( see IEC 60601-2-76

Projektleder: Marika Vindbjerg

## 11.100.99
**Andre standarder vedrørende laboratoriemedicin**
Other standards related to laboratory medicine

### Offentliggjorte forslag

**DSF/prEN 18151**
**Deadline: 2025-02-24**
Relation: CEN
Identisk med prEN 18151
**Køleskabe og frysere til laboratorieanvendelser og medicinske anvendelser – Terminologi, krav, prøvning**
This document is applicable to refrigerating and freezing storage appliances:

– which are equipped with a cooling unit and used for specified storage applications and

– which are intended to be set up in a room with a specified ambient temperature range and a relative humidity of ≤ 75 %.

This document is not applicable to:

– cooled incubators;

– refrigerated cells and refrigerated containers > 2 000 l;

– refrigeration during transport.

Projektleder: Pernille Rasmussen

## 11.140
**Hospitalsudstyr**
Hospital equipment

### Offentliggjorte forslag

**DSF/prEN IEC 60601-2-91:2024**
**Deadline: 2025-01-21**
Relation: CLC
Identisk med IEC 60601-2-91 ED1
og prEN IEC 60601-2-91:2024
**Særlige krav til grundliggende sikkerhed og væsentlige funktionsegenskaber ved udstyr til sårbehandling med ikke-termisk plasma**
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117 standard.

118 This document does not apply to:

119 – ME EQUIPMENT intended for the haemostasis in biological tissue by using ionized gas ( see IEC 60601-2-76

Projektleder: Marika Vindbjerg

## 11.180.10
**Bevægelseshjælpemidler og tilpasning**
Aids and adaptation for moving

### Nye Standarder

**DS/EN 81-41:2024**
DKK 955,00
Identisk med EN 81-41:2024
**Sikkerhedsregler for konstruktion og installation af elevatorer – Specialelevatorer til transport af personer og gods – Del 41: Vertikale løfteplatforme til personer med hæmmede bevægelsesmuligheder**
1.1 This draft European Standard deals with safety requirements for construction, manufacturing, installation, maintenance and dismantling of electrically powered vertical lifting platforms affixed to a building structure intended for use by persons with impaired mobility:

- travelling vertically between predefined levels along a guided path whose inclination to the vertical does not exceed 15°;

- intended for use by persons with or without a wheelchair;

- supported or sustained by rack and pinion, rope traction drive, noncircular elastomeric-coated steel suspension members (hereafter called flat belt) traction drive, rope positive drive, chains, toothed belts, screw and nut, guided chain, scissors mechanism or hydraulic jack (direct or indirect);

- with enclosed liftways;

- with a speed not greater than 0,15 m/s;
- with platforms where the carrier is not completely enclosed.

1.2 This draft European Standard deals with all significant hazards relevant to lifting platforms, when they are used as intended and under the conditions foreseen by the manufacturer (see Clause 4).

1.3 This draft European Standard does not specify the additional requirements for:

- operation in severe conditions (e.g. extreme climates, strong magnetic fields);
- lightning protection;
- operation subject to special rules (e.g. potentially explosive atmospheres);
- handling of materials, the nature of which could lead to dangerous situations;
- vertical lifting platforms whose primary function is the transportation of goods;
- vertical lifting platforms whose carriers are completely enclosed;
- vertical lifting platforms prone to vandalism;
- hazards occurring during manufacture;
- earthquakes, flooding;
- firefighting, evacuation and behaviour during a fire;
- noise and vibrations;
- the design of concrete, hard core, timber or other foundation or building arrangement;
- the design of anchorage bolts to the supporting structure;
- type C wheelchairs as defined in EN 12183 and/or EN 12184.

NOTE – For the actual type of machinery, noise is not considered a significant nor relevant hazard.

1.4 This draft European Standard is not applicable to Vertical Lifting Platforms intended for use by persons with impaired mobility which are manufactured before the date of its publication as an EN.

Projektleder: Søren Nielsen

**DS/EN ISO 11199-2:2021/A1:2024**
DKK 320,00
Identisk med ISO 11199-2:2021/Amd 1:2024
og EN ISO 11199-2:2021/A1:2024
**Ganghjælpemidler, som håndteres med begge arme – Krav og prøvningsmetoder – Del 2: Rollatorer**

This document specifies requirements and test methods of rollators being used as assistive products for walking with wheels, manipulated by both arms, without accessories, unless specified in the particular test procedure. This document also gives requirements relating to safety, ergonomics, performance and information supplied by the manufacturer including marking and labelling.

The requirements and tests are based on every-day use of rollators as assistive products for walking for a maximum user mass as specified by the manufacturer. This document includes rollators specified for a user mass of no less than 35 kg.

This document is not applicable to rollators with horizontal forearm supports, classified as walking tables, for which ISO 11199-3 is applicable.

Projektleder: Lærke Høllund

**DS/ISO 11199-2:2021/Amd 1:2024**
DKK 270,00
Identisk med ISO 11199-2:2021/Amd 1:2024
**Ganghjælpemidler, som håndteres med begge arme – Krav og prøvningsmetoder – Del 2: Rollatorer – Tillæg 1: Fjernelse af krav til bremser i 6.5 angående konstruktionskrav**

This document specifies requirements and test methods of rollators being used as assistive products for walking with wheels, manipulated by both arms, without accessories, unless specified in the particular test procedure. This document also gives requirements relating to safety, ergonomics, performance and information supplied by the manufacturer including marking and labelling.

The requirements and tests are based on every-day use of rollators as assistive products for walking for a maximum user mass as specified by the manufacturer. This document includes rollators specified for a user mass of no less than 35 kg.

This document is not applicable to rollators with horizontal forearm supports, classified as walking tables, for which ISO 11199-3 is applicable.

Projektleder: Lærke Høllund

## 11.180.20
**Hjælpemidler til inkontinens og stomi**
Aids for incontinence and ostomy

### Offentliggjorte forslag

**DSF/ISO/DIS 15621**
**Deadline: 2025-02-26**
Relation: ISO
Identisk med ISO/DIS 15621
**Urin- og/eller afføringsabsorberende hjælpemidler – Generelle retningslinjer for evaluering**

ISO 15621:2017 gives guidelines for evaluating absorbent incontinence aids for urine and/or faeces. It provides a context for the procedures described in other International Standards and published testing procedures. General factors relating to incontinence products and their usage are also addressed.

Projektleder: Lærke Høllund

**DSF/prEN ISO 15621**
**Deadline: 2025-02-26**
Relation: CEN
Identisk med ISO/DIS 15621
og prEN ISO 15621
**Urin- og/eller afføringsabsorberende hjælpemidler – Generelle retningslinjer for evaluering**

ISO 15621:2017 gives guidelines for evaluating absorbent incontinence aids for urine and/or faeces. It provides a context for the procedures described in other International Standards and published testing procedures. General factors relating to incontinence products and their usage are also addressed.

Projektleder: Lærke Høllund

## 11.180.99
**Andre standarder vedr. hjælpemidler til funktionshæmmede og handicappede personer**
Other standards related to aids for disabled and handicapped people

### Nye Standarder

**DS/EN 17984-6:2024**
DKK 355,00
Identisk med EN 17984-6:2024
**Servicehunde – Del 6: Tilgængelighed og universel adgang**

This document specifies requirements and recommendations for the accessibility of public and private spaces and universal access for assistance dog teams in an active status.

The accessibility requirements and recommendations for assistance dog teams in this document are applicable across the full spectrum of the built environment both indoor and outdoor (e.g. social service, medical and educational facilities, public institutions, cultural venues, sporting venues, hotel accommodation, public transport, parks, nature reserves).

The purpose of this document is to improve the accessibility for assistance dog teams ensuring their rights under the United Nations Convention on the Rights of Persons with Disabilities, so that they have the same opportunities as all citizens and can participate independently in all areas of life.

This document provides:

- specific requirements of assistance dog teams to support accessibility and to achieve universal access;
- responsibilities of assistance dog teams to enhance the public acceptance of assistance dogs;
- guidance for specific services and areas to be accessed;
- guidance for the implementation of accessibility measures at public and private bodies responsible for the built environment including transport and travel systems.

This document includes all private spaces where the public are generally admitted, or where the public can be accommodated (e.g. office buildings, waiting rooms, common areas of apartment buildings).

This document can be applied to improve accessibility of assistance dog teams in the workplace.

This document can be applied to assistance dogs in training and puppies preparing for an assistance dog role.

Projektleder: Lærke Høllund

## 13.020.20
**Miljøøkonomi. Bæredygtighed**
Environmental economics. Sustainability

### Offentliggjorte forslag

**DSF/ISO/DIS 16481**
**Deadline: 2025-02-24**
Relation: ISO
Identisk med ISO/DIS 16481
**Bæredygtig mobilitet og transport – Digital ledelse – Strategiske behov vedrørende bæredygtighedsformål i henhold til ISO 37101**
This international standard applies to the Digital Governance part of the mobility system of a city engaged in sustainability. It should be used to achieve sustainability goals of the local community.
It targets Urban Mobility and its connections with intercity and other long-distance transport solutions. It applies to mobility of people and goods.

Projektleder: Tomas Lundstrøm

## 13.020.40
**Forurening, forureningsbekæmpelse og miljøbevarende foranstaltninger**
Pollution, pollution control and conservation

### Nye Standarder

**DS/ISO 16623:2024**
DKK 525,00
Identisk med ISO 16623:2024
**Plast – Test af bionedbrydelighed i marine miljøer – Præparering af optimeret litoralzonevand og -sediment**
This document specifies procedures for preparing seawater and sediments used in test methods to assess the biodegradation of plastic materials in the marine environment. The screened sediment and sediment-rinsed seawater are prepared to sustain aerobic testing at laboratory scale. The described method is designed to separate sediment-rinsed seawater and sand-gravel sediments from intertidal sediments by wet filtration and seawater flotation. This document does not include steps to enhance the biodegradation of plastic materials by concentrating the natural seawater, adding nutrients to the seawater, and pre-culturing the inoculum.
The methods described in this document are intended to be used in addition to issued ISO standard test methods for evaluating the biodegradation and disintegration of plastic materials. The applicable evaluation test methods are ISO 18830, ISO 19679, ISO 22404, ISO 23977-1, ISO 23977-2 and ISO 23832.
NOTE The conditions described in this document do not always correspond to the optimum conditions for maximum biodegradation. This is a method of preparing test sediments from coastal seafloor sediments, not a method of preparing sediments from deep-sea seafloors.

Projektleder: Anne Holm Sjøberg

**DS/ISO/TR 27926:2024**
DKK 810,00
Identisk med ISO/TR 27926:2024
**Fangst, transport og geologisk lagring af carbondioxid – Carbondioxidforstærket olieudvinding (CO2-EOR) – Overgang fra EOR til lagring**
This document examines various CO2 injection operations that involve modifications to CO2-EOR or other complementary hydrocarbon recovery operations that can be conducted in conjunction with CO2 storage. The document also examines potential policy, regulatory or standards development issues that can arise in evaluating such operational changes.

Projektleder: Asker Juul Aagren

## 13.020.55
**Biobaserede produkter**
Biobased products

### Nye Standarder

**DS/EN 18034:2024**
DKK 665,00
Identisk med EN 18034:2024
**Alger og algeprodukter – Metoder til prøvetagning og analyse – Bestemmelse af indhold af klorofyl a**
This document specifies a laboratory method for the determination of chlorophyll a content in algae. The method was initially tested and evaluated on the microalgae species Nannochloropsis sp. and a heat treated algal product tomato soup with Nannochloropsis sp. supplement, and the macro algae species Ulva sp., Furcellaria lumbricalis, and Saccharina latissima. During an Interlaboratory Trial the method was tested on the microalgae species Nannochloropsis sp. and the macro algae species Saccharina latissima. The microalgae species Nannochloropsis sp. and Phaodactylum sp. and the macro algae species Ulva sp. and Saccharina latissima were tested in a Round Robin test. This document is only validated for chlorophyll a, but it can be used for other chlorophylls as well.

Projektleder: Carina Dalager

## 13.020.60
**Livscyklusvurdering**
Product life cycles

### Nye Standarder

**DS/EN ISO 14071:2024**
DKK 470,00
Identisk med ISO 14071:2024
og EN ISO 14071:2024
**Miljøledelse – Livscyklusvurdering – Kritisk gennemgang af processer og kompetencer hos den person, der foretager vurderingen**
This document specifies requirements and gives guidance for conducting a critical review of any type of life cycle assessment (LCA) study and the competencies required for the review. It provides additional requirements and guidance to ISO 14040 and ISO 14044.
This document provides:
– details of a critical review process, including clarification with regard to ISO 14044;
– guidance to deliver the required critical review process, linked to the goal of the LCA and its intended use;
– content and deliverables of the critical review process;
– guidance to improve the consistency, transparency, efficiency and credibility of the critical review process;
– the required competencies for the reviewer(s) (internal, external and panel member);
– the required competencies to be represented by the panel as a whole.
This document can be applicable to other standards that require independent review of LCA-based procedures and information (e.g. ISO 14045, ISO 14046, ISO 14025, ISO 14067), and can be adapted to the specific fields of application. Other reference standards can be included in the critical review process.
This document does not apply to a) critical reviews performed prior to its publication, and b) the applications of LCA (as illustrated in ISO 14040:2006, Figure 1).

Projektleder: Maria de Freiesleben Christoffersen

**DS/ISO 14071:2024**
DKK 440,00
Identisk med ISO 14071:2024
**Miljøledelse – Livscyklusvurdering – Kritisk gennemgang af processer og kompetencer hos den person, der foretager vurderingen**
This document specifies requirements and gives guidance for conducting a critical review of any type of life cycle assessment (LCA) study and the competencies required for the review. It provides additional requirements and guidance to ISO 14040 and ISO 14044.
This document provides:
– details of a critical review process, including clarification with regard to ISO 14044;
– guidance to deliver the required critical review process, linked to the goal of the LCA and its intended use;
– content and deliverables of the critical review process;
– guidance to improve the consistency, transparency, efficiency and credibility of the critical review process;
– the required competencies for the reviewer(s) (internal, external and panel member);
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This document can be applicable to other standards that require independent review of LCA-based procedures and information (e.g. ISO 14045, ISO 14046, ISO 14025, ISO 14067), and can be adapted to the specific fields of application. Other reference standards can be included in the critical review process.
This document does not apply to a) critical reviews performed prior to its publication, and b) the applications of LCA (as illustrated in ISO 14040:2006, Figure 1).

Projektleder: Maria de Freiesleben Christoffersen

## 13.030.50
**Materialegenanvendelse**
Recycling

### Nye Standarder

**DS/EN 16916:2024**
DKK 320,00
Identisk med EN 16916:2024
**Materialer fra udtjente dæk (ELT) – Bestemmelse af specifikke krav til prøveudtagning og bestemmelse af fugtindhold ved hjælp af ovntørringsmetoden**
This document specifies a method for determining the total moisture content of materials obtained from End of Life Tyres (ELT) by drying samples in an oven. The method is applicable to chips, granulates, powders and textile derived from the treatment of End of Life Tyres.
This document is not intended for the determination of moisture content in steel wires.

Projektleder: Mette Juul Sandager

## 13.040.20
**Omgivende luft**
Ambient atmospheres

### Nye Standarder

**DS/CEN/TS 17660-2:2024**
DKK 747,00
Identisk med CEN/TS 17660-2:2024
**Luftkvalitet – Evaluering af ydeevne i sensorsystemer til måling af luftkvalitet – Del 2: Partikler i luften**
This document specifies the general principles, including testing procedures and requirements, for the classification of performance of low-cost sensor systems for the monitoring of particulate matter in ambient air at fixed sites. The classification of sensor systems includes tests that are performed under prescribed conditions. It does not guarantee performance in locations that are different from the tests, variations in meteorological climate from the test programme or account for stability over time, which can only be assessed under ongoing quality control strategies.
The described procedure is applicable to the determination of the mass concentration of particulate matter. The pollutants that are considered in this document are PM10 and PM2,5 in the range of concentrations expected in ambient air.
This document provides a classification that is consistent with the requirements for indicative measurements and objective estimation defined in Directive 2008/50/EC. In addition, it provides a classification for applications (non-regulatory measurements) that require more relaxed performance criteria.
This document applies to sensor systems used as individual systems. It does not apply to sensor systems as part of a sensor network. However, for some applications (e.g. in cities) sensor systems are deployed as part of a sensor network. Annex A provides information on the use of sensor systems as nodes in a sensor network.

Projektleder: Lone Skjerning

## 13.060.20
**Drikkevand**
Drinking water

### Offentliggjorte forslag

**DSF/prEN 1420**
**Deadline: 2025-02-10**
Relation: CEN
Identisk med prEN 1420
**Organiske materialers påvirkning på vand anvendt som drikkevand – Bestemmelse af vands lugt, smag, farve og klarhed i rør- og tanksystemer**
This document specifies a procedure for obtaining a migration water to determine odour, flavour, colour and turbidity for products made from organic materials intended to come in contact with water for human consumption (drinking water) and used in piping and storage systems. Such products include pipes, tanks, reservoirs, fittings, ancillaries and their coatings both for site applied and factory-made products.
This document is applicable to products to be used under various conditions for the transport, storage and distribution of water intended for human consumption and raw water used for the manufacture of water intended for human consumption.
This document specifies a test method comprising a set of procedures. The use might be dependent on the relevant national regulations and/or the system or product standards.

Projektleder: Henryk Stawicki

## 13.060.30
**Spildevand**
Sewage water

### Nye Standarder

**DS/EN 12255-1:2024**
DKK 525,00
Identisk med EN 12255-1:2024
**Spildevandsrensningsanlæg – Del 1: Generelle konstruktionsprincipper**
This document specifies the basic design and construction requirements for wastewater treatment plants for over 50 PT.
NOTE 1 – Requirements for structures which are not specific for wastewater treatment plants are not within the scope of this document. Other ENs can apply.
NOTE 2 – Equipment which is not solely used in wastewater treatment plants is subject to the applicable product standards. However, specific requirements for such equipment when used in wastewater treatment plants are included in this part.
NOTE 3 – Although this document specifies the basic design and construction requirements for wastewater treatment plants for over 50 PT, many requirements are only technically and economically feasible at significantly larger sizes.

Projektleder: Henryk Stawicki

## 13.060.50
**Undersøgelse af kemikalier i vand**
Examination of water for chemical substances

### Nye Standarder

**DS/EN ISO 20236:2024**
DKK 525,00
Identisk med ISO 20236:2024
og EN ISO 20236:2024
**Vandundersøgelse – Bestemmelse af totalt organisk kulstof (TOC), opløst organisk kulstof (DOC), totalt bundet kvælstof (TNb) og opløst bundet kvælstof (DNb) efter katalytisk oxidationsforbrænding ved høj temperatur**
This document specifies a method to determine the total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) in the form of free ammonia, ammonium, nitrite, nitrate and organic compounds capable of conversion to nitrogen oxides.
Cyanide, cyanate and particles of elemental carbon (soot), when present in the sample, can be determined together with the organic carbon.
Dissolved nitrogen gas (N2) is not determined.
NOTE Generally, the method can be applied for the determination of total carbon (TC) and total inorganic carbon (TIC) – see Annex A.
The method is applicable to water samples (e.g. drinking water, raw water, ground water, surface water, sea water, waste water, leachates).
This document is applicable to determination of TOC and DOC ≥1 mg/l and TNb and DNb ≥1 mg/l. The upper working range is restricted by instrument-dependent conditions (e.g. injection volume). Higher concentrations can be determined after appropriate dilution of the sample. The determination of concentrations <1 mg/l is dependent on instrument conditions applying appropriate calibration.
For samples containing volatile organic compounds (e.g. industrial waste water), the application of the difference method can be considered – see Annex A.
The procedure is carried out by automated analysis.

Projektleder: Maria de Freiesleben Christoffersen

**DS/ISO 20236:2024**
DKK 470,00
Identisk med ISO 20236:2024
**Vandundersøgelse – Bestemmelse af totalt organiske kulstof (TOC), opløst organisk kulstof (DOC), totalt bundet kvælstof (TNb) og opløst bundet kvælstof (DNb) efter katalytisk oxidationsforbrænding ved høj temperatur**
This document specifies a method to determine the total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) in the form of free ammonia, ammonium, nitrite, nitrate and organic compounds capable of conversion to nitrogen oxides.
Cyanide, cyanate and particles of elemental carbon (soot), when present in the

sample, can be determined together with the organic carbon.

Dissolved nitrogen gas (N2) is not determined.

NOTE Generally, the method can be applied for the determination of total carbon (TC) and total inorganic carbon (TIC) – see Annex A.

The method is applicable to water samples (e.g. drinking water, raw water, ground water, surface water, sea water, waste water, leachates).

This document is applicable to determination of TOC and DOC ≥1 mg/l and TNb and DNb ≥1 mg/l. The upper working range is restricted by instrument-dependent conditions (e.g. injection volume). Higher concentrations can be determined after appropriate dilution of the sample. The determination of concentrations <1 mg/l is dependent on instrument conditions applying appropriate calibration.

For samples containing volatile organic compounds (e.g. industrial waste water), the application of the difference method can be considered – see Annex A.

The procedure is carried out by automated analysis.

Projektleder: Maria de Freiesleben Christoffersen

## 13.060.60
**Undersøgelse af vands fysiske egenskaber**

Examination of physical properties of water

### Nye Standarder

**DS/EN ISO 13165-3:2024**
DKK 470,00
Identisk med ISO 13165-3:2024
og EN ISO 13165-3:2024
**Vandundersøgelse – Radium-226 – Del 3: Prøvningsmetode ved anvendelse af medudfældning og gammaspektrometri**

This document specifies a method to determine radium-226 (226Ra) activity concentration in all types of water by coprecipitation followed by gamma-ray spectrometry (see ISO 20042[7]).

The method covers the measurement of soluble 226Ra activity concentrations greater than 0,002 Bq·l−1 using a sample volume of up to 100 l of any water type.

For water samples with a volume of less than a volume of 1 l, direct gamma-ray spectrometry can be performed following ISO 10703 but with a higher detection limit. The typical detection limit for samples of 1 l to 5 l is in the range of 0,002 to 0,000 40 Bq·l−1[8].

NOTE This test method can be adapted to determine other naturally occurring isotopes of radium, such as 223Ra, 224Ra and 228Ra, if the respective ingrowth periods are taken into account.

Projektleder: Maria de Freiesleben Christoffersen

**DS/ISO 13165-3:2024**
DKK 470,00
Identisk med ISO 13165-3:2024
**Vandundersøgelse – Radium-226 – Del 3: Prøvningsmetode ved anvendelse af medudfældning og gammaspektrometri**

This document specifies a method to determine radium-226 (226Ra) activity concentration in all types of water by coprecipitation followed by gamma-ray spectrometry (see ISO 20042[7]).

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NOTE This test method can be adapted to determine other naturally occurring isotopes of radium, such as 223Ra, 224Ra and 228Ra, if the respective ingrowth periods are taken into account.

Projektleder: Maria de Freiesleben Christoffersen

## 13.110
**Maskinsikkerhed**

Safety of machinery

### Offentliggjorte forslag

**DSF/EN IEC 60445:2021/prA1:2024**
**Deadline: 2025-02-06**
Relation: CLC
Identisk med IEC 60445/AMD1 ED7
og EN IEC 60445:2021/prA1:2024
**Grundlæggende principper og sikkerhedsprincipper for grænseflade mellem menneske og maskine, mærkning og identifikation – Identifikation af klemmer på materiel, ledertilslutninger og ledere**

This document applies to the identification and marking of terminals of electrical equipment such as resistors, fuses, relays, contactors, transformers, rotating machines and, wherever applicable, to combinations of such equipment (e.g. assemblies), and it also applies to the identification of terminations of certain designated conductors. It also provides general rules for the use of certain colours or alphanumeric notations to identify conductors with the aim of avoiding ambiguity and ensuring safe operation. These conductor colours and alphanumeric notations are intended to be applied on cores, busbars, and electrical equipment, and in cables or installations.

This basic safety publication focusing on safety essential requirements is primarily intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51.

It is not intended for use by manufacturers or certification bodies. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Projektleder: Peter Damgaard

**DSF/ISO/DIS 12100**
**Deadline: 2025-02-11**
Relation: ISO
Identisk med ISO/DIS 12100
**Maskinsikkerhed – Generelle principper for konstruktion – Risikovurdering og risikonedsættelse**

ISO 12100:2010 specifies basic terminology, principles and a methodology for achieving safety in the design of machinery. It specifies principles of risk assessment and risk reduction to help designers in achieving this objective. These principles are based on knowledge and experience of the design, use, incidents, accidents and risks associated with machinery. Procedures are described for identifying hazards and estimating and evaluating risks during relevant phases of the machine life cycle, and for the elimination of hazards or sufficient risk reduction. Guidance is given on the documentation and verification of the risk assessment and risk reduction process.

ISO 12100:2010 is also intended to be used as a basis for the preparation of type-B or type-C safety standards.

It does not deal with risk and/or damage to domestic animals, property or the environment.

Projektleder: Søren Nielsen

**DSF/prEN ISO 12100**
**Deadline: 2025-02-19**
Relation: CEN
Identisk med ISO/DIS 12100
og prEN ISO 12100
**Maskinsikkerhed – Generelle principper for konstruktion – Risikovurdering og risikonedsættelse**

ISO 12100:2010 specifies basic terminology, principles and a methodology for achieving safety in the design of machinery. It specifies principles of risk assessment and risk reduction to help designers in achieving this objective. These principles are based on knowledge and experience of the design, use, incidents, accidents and risks associated with machinery. Procedures are described for identifying hazards and estimating and evaluating risks during relevant phases of the machine life cycle, and for the elimination of hazards or sufficient risk reduction. Guidance is given on the documentation and verification of the risk assessment and risk reduction process.

ISO 12100:2010 is also intended to be used as a basis for the preparation of type-B or type-C safety standards.

It does not deal with risk and/or damage to domestic animals, property or the environment.

Projektleder: Søren Nielsen

## 13.160
**Vibrationer og stød. Virkning på mennesket**

Vibration and shock with respect to human beings

### Offentliggjorte forslag

**DSF/ISO/DIS 5349-3**
**Deadline: 2025-02-08**

Relation: ISO

Identisk med ISO/DIS 5349-3

**Mekaniske vibrationer – Måling af eksponering af håndoverførte vibrationer – Del 3: Isolerede og gentagne shock baseret på frekvensområder i ISO 5349-1**

This document gives information and guidance on the evaluation and assessment of hand-transmitted shock. For the purposes of this document, isolated shock is any impactive or impulsive vibration that the machine or tool user experiences as a sequence of individual events (single shocks) linked by periods of no, or low vibration.

This document provides guidance on the identification, measurement, evaluation and possible health effects of hand-transmitted shock vibrations containing vibration energy up to the frequency range covered by ISO 5349-1 (approximately 6,3 Hz to 1 250 Hz).

Note: It is recognised that shock vibration often includes substantial levels of high-frequency vibration energy. The measured peak values of HTS are likely to be higher if the upper frequency limit is increased. High-frequency shocks, composed of vibrations at frequencies greater than 1 250 Hz, are dealt with in Draft ISO/DTS 5349-4.

Projektleder: Liselotte Sørensen

**DSF/prEN ISO 5349-3**
**Deadline: 2025-02-19**

Relation: CEN

Identisk med ISO/DIS 5349-3

og prEN ISO 5349-3

**Mekaniske vibrationer – Måling af eksponering af håndoverførte vibrationer – Del 3: Isolerede og gentagne shock baseret på frekvensområder i ISO 5349-1**

This document gives information and guidance on the evaluation and assessment of hand-transmitted shock. For the purposes of this document, isolated shock is any impactive or impulsive vibration that the machine or tool user experiences as a sequence of individual events (single shocks) linked by periods of no, or low vibration.

This document provides guidance on the identification, measurement, evaluation and possible health effects of hand-transmitted shock vibrations containing vibration energy up to the frequency range covered by ISO 5349-1 (approximately 6,3 Hz to 1 250 Hz).

Note: It is recognised that shock vibration often includes substantial levels of high-frequency vibration energy. The measured peak values of HTS are likely to be higher if the upper frequency limit is increased. High-frequency shocks, composed of vibrations at frequencies greater than 1 250 Hz, are dealt with in Draft ISO/DTS 5349-4.

Projektleder: Liselotte Sørensen

## 13.180
**Ergonomi**

Ergonomics

### Offentliggjorte forslag

**DSF/ISO/IEC DIS 20931**
**Deadline: 2025-02-09**

Relation: ISO

Identisk med ISO/IEC DIS 20931

**Informationsteknologi – Brugergrænseflader – Ikoner til illustrering af tjenester i kontorhoteller**

This document provides the icons to specify the function and to indicate status of the serviced offices and their services. The icons are used as the user interfaces of searching, booking, and advertising applications for serviced offices. This document specifies basic icons that define the functions of all serviced offices, additional and miscellaneous icons that indicate other services. The functions specified by the icons include aspects of facilities, equipment, and services for fulfilling the various user needs such as working style, tools, amenities, language, accessibility needs including senior citizens etc..

Projektleder: Berit Aadal

## 13.220.20
**Brandbeskyttelse**

Fire protection

### Offentliggjorte forslag

**DSF/prEN 54-26**
**Deadline: 2025-02-17**

Relation: CEN

Identisk med prEN 54-26

**Brandalarmsystemer – Del 26: Kulilte-detektorer – Punktdetektorer**

This document specifies product characteristics, test methods and performance criteria for point detectors using carbon monoxide sensing (CO fire detectors) for use in fire detection and fire alarm systems for buildings and civil engineering works.

Projektleder: Henryk Stawicki

## 13.220.50
**Byggematerialers og -elementers modstandsevne over for brand**

Fire-resistance of building materials and elements

### Offentliggjorte forslag

**DSF/prEN 1364-4**
**Deadline: 2025-02-24**

Relation: CEN

Identisk med prEN 1364-4

**Prøvning af brandmodstandsevne for ikke-bærende elementer – Del 4: Curtain walling – Delkonfiguration**

This document specifies a method for determining the fire resistance of parts of curtain walling and of the perimeter seal. It examines the fire resistance to internal and external fire exposure of:

- the spandrel panel, i.e. downstand, upstand or a combination thereof;
- the perimeter seal;
- the fixing of the framing system (anchoring) used to attach the curtain walling to the floor element;
- combinations thereof.

NOTE 1 – This document does not test fire spread that can be caused through cavities in the test specimen, i.e., inside of the mullions (see note to 9.1.2.3.3).

Results from tests according to this document form the basis for classification of curtain walling type A (see 3.3 for definition).

For curtain walling type B (see 3.4 for definition) results can be used to determine fire resistance of parts of a curtain walling to increase the field of application when previously tested to EN 1364-3. For intended classification EW and for corner/faceted specimens EN 1364-3 can be used.

This document does not cover double skin façades, over-cladding systems and ventilated façade systems on external walls. It does not deal with the reaction to fire behaviour of curtain walling.

This document is intended to be read in conjunction with EN 1363-1 and EN 1363-2 as well as EN 1364-3 for curtain walling type B.

As per the type of curtain walling covered by this document, these are the ones included in EN 13119.

NOTE 2 – Annex A gives informative guidance on the principles of testing parts of curtain walling and the test method.

NOTE 3 – When tests are made to examine single elements (e.g. perimeter seal), those elements are to be installed as part of a curtain walling system.

Projektleder: Marika Englén

**DSF/prEN 15254-5**
**Deadline: 2025-02-17**

Relation: CEN

Identisk med prEN 15254-5

**Udvidet anvendelse af resultater fra prøvning af brandmodstandsevne – Ikke-bærende vægge – Del 5: Konstruktion af sandwichelementer i metal**

This document defines rules for extended applications, provides guidance, and, where appropriate, defines procedures, for variations of certain parameters and factors associated with the design of internal and external non-loadbearing walls constructed of metal sandwich panels and that have been tested in accordance with EN 1364-1, which could generate a classification in accordance with EN 13501-2.

EN 15254-5 applies for double skin metal faced sandwich panels having an insulating core bonded to both facings as defined in EN 14509 not stabilizing a whole building or parts of it.

Projektleder: Marika Englén

**DSF/prEN 15254-7**
**Deadline: 2025-02-17**
Relation: CEN
Identisk med prEN 15254-7
**Udvidet anvendelse af resultater fra prøvning af brandmodstandsevne – Ikke-bærende lofter – Del 7: Konstruktion af sandwichelementer i metal**
This document defines rules for extended applications, provides guidance, and, where appropriate, specifies procedures, for variations of certain parameters and factors associated with the design of internal non-loadbearing ceilings constructed of metal faced sandwich panels that have been tested in accordance with EN 1364-2, which could generate a classification in accordance with EN 13501-2.
This document applies to,double skin metal faced sandwich panels, which have an insulating core bonded to both facings as defined in EN 14509 not stabilizing a whole building or parts of it.

Projektleder: Marika Englén

## 13.280
**Beskyttelse mod elektromagnetiske felter og stråling**
Radiation protection

### Nye Standarder

**DS/EN IEC 60825-4:2024**
DKK 880,00
Identisk med IEC 60825-4:2022 ED3
og EN IEC 60825-4:2024
**Laserprodukters sikkerhed – Del 4: Laserskærme**
IEC 60825-4:2022 is available as IEC 60825-4:2022 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.
IEC 60825-4:2022 deals with basic issues concerning laser guards, including human access, interlocking and labelling, and gives general guidance on the design of protective housings and enclosures for high-power lasers. Laser guards may also comply with standards for laser protective eyewear, but such compliance is not necessarily sufficient to satisfy the requirements of this document. This part of IEC 60825 specifies the requirements for laser guards, permanent and temporary (for example for service), that enclose the process zone of a laser processing machine, and specifications for proprietary laser guards. This document applies to all component parts of a guard including clear (visibly transmitting) screens and viewing windows, panels, laser curtains and walls. In addition, this document indicates
- how to assess and specify the protective properties of a laser guard, and
- how to select a laser guard.

Projektleder: Marika Vindbjerg

## 13.340.10
**Beskyttelsesbeklædning**
Protective clothing

### Offentliggjorte forslag

**DSF/ISO/DIS 6529**
**Deadline: 2025-02-16**
Relation: ISO
Identisk med ISO/DIS 6529
**Beskyttelsesbeklædning – Beskyttelse mod kemikalier – Bestemmelse af modstand for materialer til beskyttelsesbeklædning mod indtrængning (permeation) af væsker og gasser**
ISO 6529:2013 describes laboratory test methods to determine the resistance of materials used in protective clothing, including gloves and including footwear, when the footwear is an integral part of the clothing, to permeation by liquid or gaseous chemicals under the conditions of either continuous or intermittent contact.
Method A is applicable to testing against liquid chemicals, either volatile or soluble in water, expected to be in continuous contact with the protective clothing material.
Method B is applicable to testing against gaseous chemicals expected to be in continuous contact with the protective clothing material.
Method C is applicable to testing against gaseous and liquid chemicals, either volatile or soluble in water, expected to be in intermittent contact with the protective clothing material.
These test methods assess the permeation resistance of the protective clothing material under laboratory conditions in terms of breakthrough time, permeation rate and cumulative permeation. These test methods also enable qualitative observations to be made of the effects of the test chemical on the material under test.
These test methods are only suitable for measuring permeation by liquids and gases.
These test methods address only the performance of materials or certain materials' constructions (e.g. seams).

Projektleder: Nina Kjar

**DSF/ISO/DIS 9185**
**Deadline: 2025-02-15**
Relation: ISO
Identisk med ISO/DIS 9185
**Beskyttelsesbeklædning – Vurdering af materialers modstandsevne ved påførsel af smeltet metal i sprøjt**
ISO 9185:2007 specifies a method for assessing the heat penetration resistance of materials intended for use in clothing to protect against large splashes of molten metal. It provides specific procedures for assessing the effects of splashes of molten aluminium, molten cryolite, molten copper, molten iron and molten mild steel. The principle of the test method is applicable to a wider range of hot molten materials than those for which specific procedures are set out, provided that appropriate measures are applied to protect the test operator.

Projektleder: Merete Westergaard Bennick

**DSF/prEN ISO 11612**
**Deadline: 2025-01-15**
Relation: CEN
Identisk med ISO/DIS 11612.2
og prEN ISO 11612
**Beskyttelsesbeklædning – Beklædning til beskyttelse mod varme og flammer – Minimumkrav til ydeevne**
ISO 11612:2015 specifies performance requirements for protective clothing made from flexible materials, which are designed to protect the wearer's body, except the hands, from heat and/or flame. For protection of the wearer's head and feet, the only items of protective clothing falling within the scope of ISO 11612:2015 are gaiters, hoods, and overboots. However, concerning hoods, requirements for visors and respiratory equipment are not given.
The performance requirements set out in ISO 11612:2015 are applicable to protective clothing which could be worn for a wide range of end uses, where there is a need for clothing with limited flame spread properties and where the user can be exposed to radiant or convective or contact heat or to molten metal splashes.

Projektleder: Merete Westergaard Bennick

**DSF/prEN ISO 14116**
**Deadline: 2025-01-15**
Relation: CEN
Identisk med ISO/DIS 14116.2
og prEN ISO 14116
**Beskyttelsesbeklædning – Beskyttelse mod flammer – Materialer, materialekombinationer og beklædning med begrænset flammespredning**
ISO 14116:2015 specifies the performance requirements for the limited flame spread properties of all materials, all material assemblies, and protective clothing in order to reduce the possibility of the clothing burning when in occasional and brief contact with small flames and thereby constituting a hazard. Additional requirements for clothing are also specified, including design requirements, mechanical requirements, marking, and information supplied by the manufacturer.
When protection against heat hazards is necessary, in addition to protection against flame, this International Standard is not appropriate. International Standards such as ISO 11612 are to be used instead.
A classification system is given for materials, material assemblies, and garments which are tested according to ISO 15025, Procedure A.

Projektleder: Merete Westergaard Bennick

## 13.340.20
**Hovedbeskyttelsesudstyr**
Head protective equipment

### Nye Standarder

**DS/EN ISO 10256-1:2024**
DKK 440,00
Identisk med ISO 10256-1:2024
og EN ISO 10256-1:2024
**Beskyttelsesudstyr til brug i ishockey – Del 1: Generelle krav**
This document specifies general requirements and test methods for head, face, eye,

neck, and body protectors (hereafter referred to as protectors) for use in ice hockey.

This document is intended only for protectors used for ice hockey.

Projektleder: Merete Westergaard Bennick

**DS/EN ISO 10256-2:2024**
DKK 575,00
Identisk med ISO 10256-2:2024
og EN ISO 10256-2:2024
**Beskyttelsesudstyr til brug i ishockey – Del 2: Hovedbeskyttelse til skatere**

This document specifies performance requirements and test methods for head protectors for use in ice hockey.

This document is applicable to head protectors worn by ice hockey players excluding goalkeepers and by referees.

Projektleder: Merete Westergaard Bennick

**DS/EN ISO 10256-3:2024**
DKK 665,00
Identisk med ISO 10256-3:2024
og EN ISO 10256-3:2024
**Beskyttelsesudstyr til brug i ishockey – Del 3: Ansigts- og øjenbeskyttere til skatere**

This document specifies performance requirements and test methods for eye and face protectors for use in ice hockey only.

This document is applicable to eye and face protectors worn by ice hockey players other than goalkeepers and by referees.

Projektleder: Merete Westergaard Bennick

**DS/EN ISO 10256-4:2024**
DKK 525,00
Identisk med ISO 10256-4:2024
og EN ISO 10256-4:2024
**Beskyttelsesudstyr til brug i ishockey – Del 4: Hoved- og ansigtsbeskyttelse til målmænd**

This document specifies performance requirements and test methods for head and face protectors for use by ice hockey goalkeepers only.

Projektleder: Merete Westergaard Bennick

**DS/ISO 10256-2:2024**
DKK 525,00
Identisk med ISO 10256-2:2024
**Beskyttelsesudstyr til brug i ishockey – Del 2: Hovedbeskyttelse til skatere**

This document specifies performance requirements and test methods for head protectors for use in ice hockey.

This document is applicable to head protectors worn by ice hockey players excluding goalkeepers and by referees.

## 13.340.30
**Åndedrætsværn**
Respiratory protective devices

### Offentliggjorte forslag

**DSF/prEN 13794**
**Deadline: 2025-02-03**
Relation: CEN
Identisk med prEN 13794
**Åndedrætsværn – Uafhængigt åndedrætsværn med lukket kredsløb til evakuering – Krav, prøvning, mærkning**

This document specifies minimum requirements for self-contained closed-circuit breathing RPDs for escape (short: oxygen escape RPD)

a) chemical oxygen type

— Potassium superoxide (KO2),

— Sodium chlorate (NaClO3) and b) compressed oxygen type.

This document does not apply to RPD for work and rescue and to diving apparatus.

Laboratory and practical performance tests are included for the assessment of compliance with the requirements.

Projektleder: Merete Westergaard Bennick

## 17.020
**Metrologi og måling. Generelt**
Metrology and measurement in general

### Offentliggjorte forslag

**DSF/ISO/DIS 11843-6**
**Deadline: 2025-02-14**
Relation: ISO
Identisk med ISO/DIS 11843-6
**Detektionsevne – Del 6: Metode til bestemmelse af den kritiske værdi og den mindste målbare værdi i Poisson-fordelte målinger ved tilnærmet normalfordeling**

This document presents methods for determining the critical value of the response variable and the minimum detectable value in Poisson distribution measurements. It is applicable when variations in both the background noise and the signal are describable by the Poisson distribution. The conventional approximation is used to approximate the Poisson distribution by the normal distribution consistent with ISO 11843-3 and ISO 11843-4.

The accuracy of the normal approximation as compared to the exact Poisson distribution is discussed in Annex C.

Projektleder: Per Velk

## 17.040.20
**Overfladeegenskaber**
Properties of surfaces

### Offentliggjorte forslag

**DSF/ISO/DIS 18318**
**Deadline: 2025-02-02**
Relation: ISO
Identisk med ISO/DIS 18318
**Jernbaner – Geometriske parametre for hjul-skinne-kontakt – Definitioner og vurderingsmetoder**

This document establishes definitions and evaluation methods for wheel-rail contact geometry parameters influencing the vehicle running dynamic behaviour:

- the rolling radius difference between the two wheels of a wheelset (Δr-function) which serves as a basis for all further calculations;

- the equivalent conicity function from which are derived:

• a single equivalent conicity value for a specified amplitude which is relevant for the assessment of vehicle running stability on straight track and in very large radius curves;

• the nonlinearity parameter which characterizes the shape of this function and is related to the vehicle behaviour particularly in the speed range close to the running stability limit;

- the rolling radii coefficient which is used to describe the theoretical radial steering capability of a wheelset in a curved track.

Additional information is given about the relationship between the contact angles of the two wheels of a wheelset (Δtanγ-function) and about the roll angle parameter.

Descriptions of possible calculation methods are included in this document. Test case calculations are provided to achieve comparable results and to check the proper implementation of the described algorithms.

To validate alternative methods not described in this document acceptance criteria are given for the equivalent conicity function. This includes reference profiles, profile combinations, tolerances and reference results with tolerance limits.

This document also includes minimum requirements for the measurement of wheel and rail profiles as well as of the parameters needed for the transformation into a common coordinate system of right- and left-hand profiles.

This document does not define limits for the wheel-rail contact geometry parameters and gives no tolerances for the rail profile and the wheel profile to achieve acceptable results.

For the application of this document some general recommendations are given.

Projektleder: Per Velk

## 17.140.20
**Støj fra maskiner og udstyr**
Noise emitted by machines and equipment

### Offentliggjorte forslag

**DSF/ISO/DIS 15664**
**Deadline: 2025-02-15**
Relation: ISO
Identisk med ISO/DIS 15664
**Akustik – Procedurer for design af støjbekæmpelse i udendørs produktionsanlæg**
This International Standard defines the procedures for noise control of mainly open plants.
It is applicable to the following:
– specification of procedures for noise control during engineering of a new plant and modification/extension of existing plants (construction noise procedures are outside the scope of this International Standard but should be considered);
– definition of responsibilities of parties involved, viz. "end-user", "engineering contractor" and "equipment supplier";
– description of general procedures to arrive at noise requirements for individual equipment, on the basis of overall noise requirements for the plant.
A schematic flowchart, reviewing the noise control process, is presented in annex A and a summary of action items is presented in annex B.
NOTE – Concerning specific engineering methods for the acoustic design and analysis of plants, use should be made of other standards and textbooks.

Projektleder: Marika Englén

## 17.140.30
**Støj fra transportmidler**
Noise emitted by means of transport

### Nye Standarder

**DS/ISO 16254:2024**
DKK 810,00
Identisk med ISO 16254:2024
**Akustik – Måling af støj fra motorkøretøjer af kategori M og N ved stilstand og kørsel ved lav hastighed – Teknikermetode**
This document is derived from ISO 362-1[2] and specifies an engineering method for measuring the sound emitted by M and N category road vehicles at standstill and low speed operating conditions. The specifications reproduce the level of sound which is generated by the principal vehicle sound sources consistent with stationary and low speed vehicle operating conditions relevant for pedestrian safety. The method is designed to meet the requirements of simplicity as far as they are consistent with reproducibility of results under the operating conditions of the vehicle.
The test method requires an acoustic environment which is only obtained in an extensive open space. Such conditions usually exist during the following:
– measurements of vehicles for regulatory certification;
– measurements at the manufacturing stage;
– measurements at official testing stations.
The results obtained by this method give an objective measure of the sound emitted under the specified conditions of test. It is necessary to consider the fact that the subjective appraisal of the annoyance, perceptibility, and/or detectability of different motor vehicles or classes of motor vehicles due to their sound emission are not simply related to the indications of a sound measurement system. As annoyance, perceptibility and/or detectability are strongly related to personal human perception, physiological human condition, culture, and environmental conditions, there are large variations and therefore these terms are not useful as parameters to describe a specific vehicle condition.
Spot checks of vehicles chosen at random rarely occur in an ideal acoustic environment. If measurements are carried out on the road in an acoustic environment which does not fulfil the requirements stated in this document, the results obtained might deviate appreciably from the results obtained using the specified conditions.
In addition, this document provides an engineering method to measure the performance of external sound generation systems intended for the purpose of providing acoustic information to pedestrians on a vehicle's operating condition. This information is reported as objective criteria related to the external sound generation system's sound pressure level, frequency content, and changes in sound pressure level and frequency content as a function of vehicle speed.
This document adds a metric related to the human perception of tonal loudness, the psychoacoustic tonality. The psychoacoustic tonality can be used to estimate audible frequency shifts of the sounds by identifying the most audible component in each auditory frequency band (critical band), as well as to determine if the band(s) so identified meet audibility criteria.
Annex A and Annex C contains background information relevant in the development of this document.

Projektleder: Marika Englén

## 17.140.50
**Elektroakustik**
Electroacoustics

### Offentliggjorte forslag

**DSF/prEN IEC 60645-7:2024**
**Deadline: 2025-02-13**
Relation: CLC
Identisk med IEC 60645-7 ED2
og prEN IEC 60645-7:2024
**Elektroakustik – Audiometrisk udstyr – Del 7: Instrumenter til måling af auditivt fremkaldte potentialer**
The Qi Specification, Power Delivery (this document) comprises guidelines and requirements for Power Receiver design, including circuitry, power consumption, operating power levels, power transfer efficiency, and standby power.

Projektleder: Lise Schmidt Aagesen

## 17.180.01
**Optik og optiske målinger. Generelt**
Optics and optical measurements in general

### Nye Standarder

**DS/EN ISO 7944:2024**
DKK 355,00
Identisk med ISO 7944:2024
og EN ISO 7944:2024
**Optik og optiske instrumenter – Referencebølgelængder**
This document specifies reference wavelengths to be used for the characterization of optical materials, optical systems and instruments, and ophthalmic lenses. It defines the associated principal refractive indices and principal dispersions, as well as the Abbe numbers with regard to these reference wavelengths and principal dispersions.

Projektleder: Nina Kjar

**DS/ISO 7944:2024**
DKK 320,00
Identisk med ISO 7944:2024
**Optik og optiske instrumenter – Referencebølgelængde**
This document specifies reference wavelengths to be used for the characterization of optical materials, optical systems and instruments, and ophthalmic lenses. It defines the associated principal refractive indices and principal dispersions, as well as the Abbe numbers with regard to these reference wavelengths and principal dispersions.

Projektleder: Nina Kjar

## 17.200.99
**Andre standarder vedrørende termodynamik**
Other standards related to thermodynamics

### Nye Standarder

**DS/EN IEC 61340-4-9:2024**
DKK 525,00
Identisk med IEC 61340-4-9:2024 ED3
og EN IEC 61340-4-9:2024
**Elektrostatik – Del 4-9: Standardprøvningsmetoder for specifikke anvendelser – Beklædning – Karakterisering af resistivitet**
This part of IEC 61340 provides test methods for measuring the electrical resistance of garments used for static control applications. These test methods can be used for evaluating outer garments that are homogenously conductive or homogeneously dissipative, or that utilize surface conductive or surface dissipative components or elements.
NOTE – The test methods defined in this standard might not be able to measure materials with buried conductive layers.
The resistance point-to-point test method tests the electrical resistance between the

two sleeves, any two panels or any two or more electrically interconnected components of the static control garment, including the electrical resistance across the seams and cuffs of the garment as applicable.

An alternate sleeve-to-sleeve test method is allowed, using clamps to hang a garment.

Static control garments that electrically bond to the wearer and provide a path to ground from the wearer are evaluated using the resistance point-to-point test method, the resistance point to groundable point test method, as well as a system test to determine the resistance from the person through the garment to the groundable point of the garment system.

A band resistance measurement test is provided in IEC 61340-4-6 which can be used for garments so equipped with cuffs that are intended to perform the same function as a wrist strap band.

The system test with a person wearing a groundable static control garment system includes the ground cord that connects to the groundable point of the garment.

Projektleder: Pernille Rasmussen

## 17.220.20
**Måling af elektriske og magnetiske størrelser**

Measurement of electrical and magnetic quantities

## Nye Standarder

**DS/EN IEC 61557-13:2024**
DKK 525,00
Identisk med IEC 61557-13:2023 ED2
og EN IEC 61557-13:2024
**Elektrisk sikkerhed i lavspændingsdistributionssystemer op til 1 000 V vekselstrøm og 1 500 V jævnstrøm – Udstyr til prøvning, måling eller overvågning af beskyttelsesforanstaltninger – Del 13: Håndholdte og håndbetjente strømtænger og sensorer til måling af lækstrøm i elektriske forsyningssystemer**

IEC 61557-13:2023 defines special performance requirements for hand-held and hand manipulated current clamps and sensors for measurement of leakage currents in electrical distribution systems up to 1 000 V AC and 1 500 V DC taking into account the influence of high external low-frequency magnetic fields and other influencing quantities. See Annex A for examples of measurement applications.

This document does not apply to current clamps or sensors that are used in combination with devices for insulation fault location in accordance with IEC 61557-9, unless it is specified by the manufacturer.

IEC 61557-13:2023 cancels and replaces the first edition published in 2011. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) the term "fixing device" has been removed;

b) the measuring range was changed to a display range, the indication of DC or peak values has been added in 4.1;

c) the frequency for the test of sensitivity for low-frequency magnetic fields has been defined in 4.2;

d) the specified measuring range is now defined as the range of indicated values based on the operating uncertainty in 4.3;

e) alignment of the structure with that of the whole IEC 61557 series;

f) the variation E12 (maximum load current), may be specified according to the manufacturer's specification.

Projektleder: Pernille Rasmussen

**DS/EN IEC 61557-14:2024**
DKK 470,00
Identisk med IEC 61557-14:2023 ED2
og EN IEC 61557-14:2024
**Elektrisk sikkerhed i lavspændingsdistributionssystemer op til 1 000 V a.c. og 1 500 V d.c – Udstyr til prøvning, måling eller overvågning af beskyttelsesforanstaltninger – Del 14: Udstyr til prøvning af sikkerheden af elektrisk udstyr i maskiner**

IEC 61557-14:2023 defines special requirements for test and measurement equipment used to determine the electrical safety of electrical equipment of machinery in accordance with IEC 60204-1.

This International Standard is to be used in conjunction with IEC 61557-1:2019.

IEC 61557-14:2023 cancels and replaces the first edition published in 2013. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) clarifying the introduction;

b) replaced "dielectric strength" by "voltage test";

c) requirement for maximum output current has been added in 4.2.6.1;

d) tripping time at electrical switching activated by two-hand operation has been added in 4.2.6.1;

e) additional time limiting capability for the protection against electric shock for test persons and bystanders in 4.2.6.2;

f) updated references for safety testing;

g) alignment of the structure with that of the whole IEC 61557 series.

Projektleder: Pernille Rasmussen

**DS/EN IEC 61557-16:2024**
DKK 525,00
Identisk med IEC 61557-16:2023 ED2
og EN IEC 61557-16:2024
**Elektrisk sikkerhed i lavspændingsdistributionssystemer op til 1 000 V a.c. og 1 500 V d.c. – Udstyr til prøvning, måling eller overvågning af beskyttelsesforanstaltninger – Del 16: Udstyr til prøvning af effektiviteten af beskyttelsesforanstaltninger for elektrisk udstyr og/eller medicinsk elektrisk udstyr**

IEC 61557-16:2023 specifies the requirements applicable to the performance for test and measurement equipment in order to determine the effectiveness of the protective measures for electrical equipment and/or medical electrical equipment described in IEC 62353.

This International Standard is to be used in conjunction with IEC 61557-1:2019.

IEC 61557-16:2023 cancels and replaces the first edition published in 2014. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) splitting of uncertainty requirements for medical and non-medical electrical equipment in 4.2.1;

b) addition of a definition of ranges with defined uncertainty in 4.2.1 to 4.2.7;

c) addition of an optional measuring device (MD) for non-medical devices in 4.2.1;

d) addition of a limitation of the maximum intrinsic uncertainty for medical applications at leakage current in 4.2.1;

e) change of 4.2.3 from test sockets to sockets for service purposes;

f) addition of a warning in the operating instructions;

g) integration of former 6.3 into 6.2;

h) update of Table 1;

i) alignment of the structure with that of the whole IEC 61557 series.

Projektleder: Pernille Rasmussen

**DS/IEC/IEEE 63253-5713-8:2024**
DKK 880,00
Identisk med IEC/IEEE 63253-5713-8:2024 ED1
**Enkeltfasede spændingstransformere til støtteforsyning i transformerstationer (SSVT-transformere)**

IEC/IEEE 63253-5713-8:2024 describes electrical and mechanical requirements of single-phase station service voltage transformers with system voltages of 46 kV or higher and with the maximum rated voltage of the power winding of 1 000 V.

This document is a basis for the establishment of performance and limited electrical and mechanical interchangeability requirements of the equipment are described. It is also a basis for assistance in the proper selection of such equipment.

A station service voltage transformer (SSVT) is a single-phase transformer to be connected line-to-earth on an effectively earthed system. It can be used either as an individual unit for supplying single-phase loads, or in a three-phase bank to support three-phase loads. A typical application is to supply substation power such as lighting, pump and motor loads. The SSVT can be provided with a measuring winding when requested by the user.

Projektleder: Maria Gabriella Banck

## 17.220.99
**Andre standarder vedrørende elektricitet og magnetisme**
Other standards related to electricity and magnetism

### Nye Standarder

**DS/EN IEC 61340-6-1:2018/A1:2024**
DKK 355,00
Identisk med IEC 61340-6-1:2018/AMD1:2024 ED1
og EN IEC 61340-6-1:2018/A1:2024
**Elektrostatik – Del 6-1: Elektrostatisk kontrol til sundhedsvæsenet, erhvervsfaciliteter og offentlige faciliteter – Sundhedsvæsenet**
IEC 61340-6-1:2018 applies to facilities that provide healthcare including hospitals, care centres and clinics. This document provides technical requirements and recommendations for controlling electrostatic phenomena in healthcare facilities, which includes requirements for equipment, materials, and products used to control static electricity. The requirements of this document do not apply to medical electrical equipment specified in IEC 60601-1 and in vitro diagnostic (IVD) medical equipment specified in IEC 61010-2-101.

Projektleder: Pernille Rasmussen

## 17.240
**Måling af felter og stråling**
Radiation measurements

### Nye Standarder

**DS/EN ISO 13165-3:2024**
DKK 470,00
Identisk med ISO 13165-3:2024
og EN ISO 13165-3:2024
**Vandundersøgelse – Radium-226 – Del 3: Prøvningsmetode ved anvendelse af medudfældning og gammaspektrometri**
This document specifies a method to determine radium-226 (226Ra) activity concentration in all types of water by coprecipitation followed by gamma-ray spectrometry (see ISO 20042[7]).

The method covers the measurement of soluble 226Ra activity concentrations greater than 0,002 Bq·l−1 using a sample volume of up to 100 l of any water type.

For water samples with a volume of less than a volume of 1 l, direct gamma-ray spectrometry can be performed following ISO 10703 but with a higher detection limit. The typical detection limit for samples of 1 l to 5 l is in the range of 0,002 to 0,000 40 Bq·l−1[8].

NOTE This test method can be adapted to determine other naturally occurring isotopes of radium, such as 223Ra, 224Ra and 228Ra, if the respective ingrowth periods are taken into account.

Projektleder: Maria de Freiesleben Christoffersen

**DS/ISO 13165-3:2024**
DKK 470,00
Identisk med ISO 13165-3:2024
**Vandundersøgelse – Radium-226 – Del 3: Prøvningsmetode ved anvendelse af medudfældning og gammaspektrometri**
This document specifies a method to determine radium-226 (226Ra) activity concentration in all types of water by coprecipitation followed by gamma-ray spectrometry (see ISO 20042[7]).

The method covers the measurement of soluble 226Ra activity concentrations greater than 0,002 Bq·l−1 using a sample volume of up to 100 l of any water type.

For water samples with a volume of less than a volume of 1 l, direct gamma-ray spectrometry can be performed following ISO 10703 but with a higher detection limit. The typical detection limit for samples of 1 l to 5 l is in the range of 0,002 to 0,000 40 Bq·l−1[8].

NOTE This test method can be adapted to determine other naturally occurring isotopes of radium, such as 223Ra, 224Ra and 228Ra, if the respective ingrowth periods are taken into account.

Projektleder: Maria de Freiesleben Christoffersen

## 19.020
**Prøvningsbetingelser og procedurer generelt**
Test conditions and procedures in general

### Nye Standarder

**DS/EN IEC 61010-2-201:2024**
DKK 880,00
Identisk med IEC 61010-2-201:2024 ED3
og EN IEC 61010-2-201:2024
**Sikkerhedskrav til elektrisk udstyr til måling, styring og laboratoriebrug – Del 2-201: Særlige krav til styringsudstyr**
This clause of Part 1 is applicable, except as follows.

1.1.1 Equipment included in scope

Replacement:

This part of IEC 61010 specifies safety requirements and related verification tests for control equipment and/or their associated peripherals.

Some equipment examples are:

- programmable logic controller (PLC);
- programmable automation controller (PAC);
- distributed control systems (DCS);
- industrial PC (computers) and panel PC;
- programming and debugging tools (PADTs);
- displays and human-machine interfaces (HMI);
- any product performing the function of control equipment and/or their associated peripherals;
- positioners; and
- control equipment which have as their intended use the command and control of machines, automated manufacturing and industrial processes, e.g. discrete and continuous control.

Components of the above named equipment and in the scope of this standard are e.g.:

- (auxiliary) stand-alone power supplies;
- peripherals such as digital and analogue I/O,
- remote-I/O;
- industrial network equipment, embedded or standalone (e.g. switches, routers, wireless base station).

Control equipment and their associated peripherals are intended to be used in an industrial environment and may be provided as OPEN or ENCLOSED EQUIPMENT.

NOTE – 1 – Control equipment intended also for use in other environments or for other purposes (example: for use in building installations to control light or other electrical installations, or for use on cars, trains or ships) can have additional conformity requirements defined by the safety standard(s) for these applications. These requirements can involve as example: insulation, spacings and power restrictions.

NOTE – 2 – Computing devices and similar equipment within the scope of IEC 60950 (planned to be replaced by IEC 62368) and conforming to its requirements are considered to be suitable for use with control equipment within the scope of this standard. However, some of the requirements of IEC 60950 for resistance to moisture and liquids are less stringent than those in IEC 61010-1:2010, 5.4.4 second paragraph.

Control equipment covered in this standard is typically intended 237 for use in OVERVOLTAGE CATEGORY II (IEC 60664-1) in low-voltage installations, where the RATED equipment supply voltage does not exceed AC. 1 000 V r.m.s. (50/60 Hz), or DC 1 000 V.

Where control equipment is intended for installation to supply systems with overvoltage category III or IV, additional requirements are identified in Annex K.

The requirements of ISO/IEC Guide 51 and IEC Guide 104, as they relate to this part of IEC 61010, are incorporated herein.

1.1.2 Equipment excluded from scope

Replacement:

This standard does not deal with aspects of the overall automated system, e.g. a complete assembly line. Control equipment (e.g. DCS and PLC), their application program and their associated peripherals are considered as components (components in this context are items which perform no useful function by themselves) of an overall automated system.

Since control equipment (e.g. DCS and PLC) are component devices, safety considerations for the overall automated system including installation and application are beyond the scope of this standard. Refer to IEC 60364 series of standards or applicable national/local regulations for electrical installation and guidelines.

1.2.1 Aspects included in scope

Replace first sentence:

The purpose of the requirements of this standard is to ensure that all HAZARDs to the OPERATOR, SERVICE PERSONNEL and the surrounding area are reduced to a tolerable level.

NOTE – By using the terms "OPERATOR" and "SERVICE PERSONNEL" this standard

considers the perception of HAZARDS depending on training and skills. Annex AA gives a general approach in this regard.

1.2.2 Aspects excluded from scope

Replacement:

This standard does not cover:

a)[...]

b)[...]

c)[...]

d)[...]

e)[...]

Projektleder: Søren Lütken Storm

## 19.040
**Miljøprøvning**
Environmental testing

### Offentliggjorte forslag

**DSF/EN 60068-2-75:2014/prA1:2024**
**Deadline: 2025-02-01**

Relation: CLC

Identisk med IEC 60068-2-75/AMD1 ED2
og EN 60068-2-75:2014/prA1:2024

**Miljøprøvninger – Del 2-75: Prøvninger – Prøvning Eh: Hammerprøvninger**

IEC 60068-2-75:2014 provides three standardized and coordinated test methods for determining the ability of a specimen to withstand specified severities of impact. It is used, in particular, to demonstrate an acceptable level of robustness when assessing the safety of a product and is primarily intended for the testing of electrotechnical items. It consists of the application to the specimen of a prescribed number of impacts defined by their impact energy and applied in the prescribed directions. This part of IEC 60068 covers energy levels ranging from 0,14 J (joules) to 50 J (joules). This second edition cancels and replaces the first edition, published in 1997, and constitutes a technical revision.

This edition includes the following significant technical change with respect to the previous edition:

- reconsideration of some values in Tables 1 and 2. Although some values are no longer recommended, they have been retained as alternatives for historical consistency purposes. It has the status of a basic safety publication in accordance with IEC Guide 104.

Projektleder: Charlotte Vincentz Fischer

## 19.080
**Elektrisk og elektronisk prøvning**
Electrical and electronic testing

### Nye Standarder

**DS/EN IEC 62052-31:2024**
DKK 1.170,00

Identisk med IEC 62052-31:2024 ED2
og EN IEC 62052-31:2024

**Elmålingsudstyr – Generelle krav, prøvninger og prøvningsbetingelser – Del 31: Produktsikkerhedskrav og prøvninger**

IEC 62052-31:2024 specifies general safety requirements and associated tests, with their appropriate conditions for type testing of directly connected, transformer-operated or transducer-operated AC and DC electricity meters and load control equipment. This document applies to electricity metering equipment designed to:

• measure and control electrical energy on electrical networks (mains) with voltage up to 1 000 V AC, or 1 500 V DC;

• have all functional elements, including add-on communication modules, enclosed in, or forming a single meter case with exception of indicating displays;

• operate with integrated displays (electromechanical or static meters);

• operate with detached indicating displays, or without an indicating display (static meters only);

• wall-mounted or to be installed in specified matching sockets or racks;

• optionally, provide additional functions other than those for measurement of electrical energy.

This document also applies to transducer-operated meters or meters designed for operation with Low Power Instrument Transformers (LPIT) or sensors (as defined in the IEC 61869 series).

When equipment in scope of this document is designed to be installed in a specified matching socket, then the requirements apply to, and the tests are performed on, equipment installed in its specified matching socket. However, requirements for sockets and inserting / removing the meters from the socket are outside the scope of this document.

This document is also applicable to auxiliary input and output circuits, operation indicators, and test outputs of equipment for electrical energy measurement.

Equipment used in conjunction with equipment for electrical energy measurement and control may need to comply with additional safety requirements. See also Clause 13.

This document does not apply to:

• meters rated to operate with voltage exceeding 1 000 V AC, or 1 500 V DC;

• metering systems comprising multiple devices physically remote from one another;

• portable meters;

• meters used in rolling stock, vehicles, ships and airplanes;

• laboratory and mobile meter test equipment;

• reference standard meters;

• conventional or low power instrument transformers;

• equipment with solid-state or other non-electromechanical supply and load control switches.

The safety requirements of this document are based on the following assumptions:

• metering equipment has been installed correctly;

• metering equipment is used generally by ordinary persons, including meter readers and consumers of electrical energy. In many cases, it is installed in a way that it is freely accessible. Its terminal covers cannot be removed, and its case cannot be opened without removing seals (if present) and using a tool;

• during normal use all terminal covers, covers and barriers providing protection against accessing hazardous live parts are in place;

• for installation, configuration, maintenance and repair it may be necessary to remove terminal cover(s), (a part of) the case or barriers so that hazardous live parts may become accessible. Such activities are performed by skilled persons, who have been suitably trained to be aware of working procedures necessary to ensure safety. Therefore, safety requirements covering these conditions are out of the Scope of this document.

This second edition cancels and replaces the first edition published in 2015. This edition constitutes a technical revision. Please see the foreword of IEC 62052-31 f

Projektleder: Marika Vindbjerg

## 19.100
**Ikke-destruktiv prøvning**
Non-destructive testing

### Offentliggjorte forslag

**DSF/ISO/DIS 32543-2**
**Deadline: 2025-02-08**

Relation: ISO

Identisk med ISO/DIS 32543-2

**Ikke-destruktiv prøvning – Karakterisering af brændpletter i industrielle røntgensystemer – Del 2: Kantmetode med måleinstrumenter af hultypen**

This European standard specifies a method for the measurement of effective focal spot dimensions above 0,1 µm of X-ray systems by means of the edge method applied to digital images taken from hole type or disk type gauges. The imaging quality and the resolution of X-ray images depend highly on the characteristics of the effective focal spot, in particular the size and the two-dimensional intensity distribution as seen from the detector plane.

This document provides instructions for determining the effective size (dimensions) of standard, mini and micro focal spots of industrial X-ray tubes for users in applications where the pin hole method of EN12543-2 is not practicable. This determination is based on the measurement of a profile of an image of a hole or disk type gauge.

The method as described in this document can be used for long term monitoring of focal spot sizes without a pin hole camera.

The accuracy of this method is lower than the one of ISO 32543-1 (EN 12543-2), ISO/NP 32543-3 (EN 12543-5) and ISO/NP 32543-4 (future EN 12543-6), using ASTM hole plate IQIs (ASTM E 1025, E 1742), due to its manufacturer tolerance of ± 10%.

Projektleder: Lone Skjerning

**DSF/prEN ISO 32543-2**
**Deadline: 2025-02-19**

Relation: CEN

Identisk med ISO/DIS 32543-2
og prEN ISO 32543-2

**Ikke-destruktiv prøvning – Karakterisering af brændpletter i industrielle røntgensystemer – Del 2: Kantmetode med måleinstrumenter af hultypen**

This European standard specifies a method for the measurement of effective focal spot dimensions above 0,1 µm of X-ray systems by means of the edge method applied to digital images taken from hole type or disk type gauges. The imaging quality and the resolution of X-ray images

depend highly on the characteristics of the effective focal spot, in particular the size and the two-dimensional intensity distribution as seen from the detector plane.

This document provides instructions for determining the effective size (dimensions) of standard, mini and micro focal spots of industrial X-ray tubes for users in applications where the pin hole method of EN12543-2 is not practicable. This determination is based on the measurement of a profile of an image of a hole or disk type gauge.

The method as described in this document can be used for long term monitoring of focal spot sizes without a pin hole camera.

The accuracy of this method is lower than the one of ISO 32543-1 (EN 12543-2), ISO/NP 32543-3 (EN 12543-5) and ISO/NP 32543-4 (future EN 12543-6), using ASTM hole plate IQIs (ASTM E 1025, E 1742), due to its manufacturer tolerance of ± 10%.

Projektleder: Lone Skjerning





## 21.060.10
**Bolte, skruer, tapskruer**
Bolts, screws, studs

### Nye Standarder

**DS/EN 17976:2024**
DKK 880,00
Identisk med EN 17976:2024
**Jernbaner – Forspænding af jernbanekøretøjer og -komponeter**
This document specifies the requirements for designing, strength assessment, assembly and servicing of mechanical and electrical bolted joints made from metallic components and bolts.

This document is not intended for rivets, lock bolts, self-tapping screws, wood screws, thread-rolling screws, thread-forming and chipboards.

This document is applicable to all rail vehicles.

Projektleder: Per Velk

## 21.060.20
**Møtrikker**
Nuts

### Nye Standarder

**DS/EN 17976:2024**
DKK 880,00
Identisk med EN 17976:2024
**Jernbaner – Forspænding af jernbanekøretøjer og -komponeter**
This document specifies the requirements for designing, strength assessment, assembly and servicing of mechanical and electrical bolted joints made from metallic components and bolts.

This document is not intended for rivets, lock bolts, self-tapping screws, wood screws, thread-rolling screws, thread-forming and chipboards.

This document is applicable to all rail vehicles.

Projektleder: Per Velk

## 21.060.50
**Stifter, søm**
Pins, nails

### Offentliggjorte forslag

**DSF/ISO/CD 8739.2**
**Deadline: 2025-02-06**
Relation: ISO
Identisk med ISO/CD 8739.2
**Befæstelseselementer – Kærvstifter med parallelle riller og styreende – Fuldlængdediamantkærve**
This document specifies the characteristics of parallel grooved pins with pilot point and full-length diamond grooves (with closed-end at the insertion side), in steel and stainless steel, and with nominal diameter 1 mm to 25 mm.

These grooved pins are designed to fulfil the main following function:

– locking together two or more parts, with the easiest installation (due to the pilot point) and a highest level of pull-out resistance (due to the elastic fit behavior of the pin).

The general requirements (including functional principles for grooved pins and assembly) are specified in ISO 13669.

Projektleder: Pernille Rasmussen

## 23.020.30
**Trykbeholdere**
Gas pressurePressure vessels, gas cylinders

### Offentliggjorte forslag

**DSF/prEN 13445-14**
**Deadline: 2025-02-10**
Relation: CEN
Identisk med prEN 13445-14
**Ufyrede trykbeholdere – Del 14: Yderligere krav til trykudstyr og trykkomponenter fremstillet ved hjælp af metoder til additiv fremstilling**
This document specifies general requirements for the application of additive manufacturing processes for pressure vessels and parts.

Separate Annexes of this document provide detailed requirements for specific additive manufacturing processes and materials.

This document is currently limited to metallic material applications. If a pressure part manufactured to this document is integrated into a pressure vessel, all parts of EN 13445 apply for this integration.

Projektleder: Lone Skjerning

## 23.020.35
**Gasflasker**
Gas cylinders

### Offentliggjorte forslag

**DSF/prEN 13807**
**Deadline: 2025-02-24**
Relation: CEN
Identisk med prEN 13807
**Transportable gasflasker – Batterikøretøjer og MEGC'er – Udformning, fremstilling, identifikation og prøvning**
This European Standard specifies the requirements for the design, manufacture, identification and testing of battery vehicles and multiple-element gas containers (MEGCs) containing cylinders, tubes or bundles of cylinders. It is applicable to battery vehicles containing compressed gas, liquefied gas and mixtures thereof. It is also applicable to battery vehicles for dissolved acetylene. This European Standard is not applicable to toxic gases with an LC50 value less than or equal to 200 ml/m3.

This European Standard applies also to battery vehicles and MEGCs containing bundles of cylinders connected by a manifold which are dis-assembled from the battery vehicle and filled individually.

This European Standard does not apply to battery vehicles and MEGCs containing pressure drums or tanks, or to multi-element gas containers (MEGCs).

This European Standard does not specify requirements for the vehicle chassis or motive unit.

This European standard does not cover requirements for sea transportation.

This European Standard is primarily intended for industrial gases other than Liquefied Petroleum Gases (LPG). At the time of publication of this European Standard, there is no European Standard for dedicated LPG battery vehicles.

Where there is any conflict between this European Standard and any applicable regulation, the regulation always takes precedence.

Projektleder: Lone Skjerning

## 23.040.20
**Plastrørledninger**
Plastics pipes

### Nye Standarder

**DS/EN 12201-3:2024/AC:2024**
DKK 200,00
Identisk med EN 12201-3:2024/AC:2024
**Plastrørssystemer til vandforsynings-net og jordlagte afløbsnet under tryk – Polyethylen (PE) – Del – Del 3: Formstykker**
This document specifies the characteristics of fusion fittings made from polyethylene (PE) as well as of mechanical fittings for buried and above ground applications, intended for the conveyance of water for human consumption, raw water prior to treatment, drains and sewers under pressure, vacuum sewer systems, and water

for other purposes, with the exception of industrial application.

NOTE 1 – For PE components intended for the conveyance of water for human consumption and raw water prior to treatment, attention is drawn to subclause 6.6 of this document. Components manufactured for water for other purposes, drains and sewers, and vacuum sewer systems are possibly not suitable for water supply for human consumption.

NOTE 2 – Industrial application is covered by EN ISO 15494 [4].

The intended uses include sea outfalls, laid in water and pipes suspended below bridges.

It also specifies the test parameters for the test methods referred to in this document.

In conjunction with EN 12201-1, EN 12201 2, EN 12201 4 and EN 12201 5, this document is applicable to PE pipes, fittings and valves, their joints and joints with components of PE and other materials intended to be used under the following conditions:

a) allowable operating pressure, PFA, up to 25 bar ;

b) an operating temperature of 20 °C as a reference temperature.

NOTE 3 – For applications operating at constant temperature greater than 20 °C and up to and including 50 °C, see EN 12201-1:2024, Annex A.

The EN 12201 series covers a range of allowable operating pressures and gives requirements concerning colours.

NOTE 4 – It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national guidance or regulations and installation practices or codes.

These fittings can be of the following types:

– electrofusion socket fittings;

– electrofusion saddle fittings;

– spigot end fittings (for butt fusion using heated tools and electrofusion socket fusion);

– socket fusion fittings (see Annex A);

– mechanical fittings;

– fabricated fittings (see Annex B).

Projektleder: Henryk Stawicki

## 23.040.45
**Plastfittings**

Plastics fittings

### Nye Standarder

**DS/EN 12201-3:2024/AC:2024**

DKK 200,00

Identisk med EN 12201-3:2024/AC:2024

**Plastrørssystemer til vandforsynings-net og jordlagte afløbsnet under tryk – Polyethylen (PE) – Del – Del 3: Formstykker**

This document specifies the characteristics of fusion fittings made from polyethylene (PE) as well as of mechanical fittings for buried and above ground applications, intended for the conveyance of water for human consumption, raw water prior to treatment, drains and sewers under pressure, vacuum sewer systems, and water

for other purposes, with the exception of industrial application.

NOTE 1 – For PE components intended for the conveyance of water for human consumption and raw water prior to treatment, attention is drawn to subclause 6.6 of this document. Components manufactured for water for other purposes, drains and sewers, and vacuum sewer systems are possibly not suitable for water supply for human consumption.

NOTE 2 – Industrial application is covered by EN ISO 15494 [4].

The intended uses include sea outfalls, laid in water and pipes suspended below bridges.

It also specifies the test parameters for the test methods referred to in this document.

In conjunction with EN 12201-1, EN 12201 2, EN 12201 4 and EN 12201 5, this document is applicable to PE pipes, fittings and valves, their joints and joints with components of PE and other materials intended to be used under the following conditions:

a) allowable operating pressure, PFA, up to 25 bar ;

b) an operating temperature of 20 °C as a reference temperature.

NOTE 3 – For applications operating at constant temperature greater than 20 °C and up to and including 50 °C, see EN 12201-1:2024, Annex A.

The EN 12201 series covers a range of allowable operating pressures and gives requirements concerning colours.

NOTE 4 – It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national guidance or regulations and installation practices or codes.

These fittings can be of the following types:

– electrofusion socket fittings;

– electrofusion saddle fittings;

– spigot end fittings (for butt fusion using heated tools and electrofusion socket fusion);

– socket fusion fittings (see Annex A);

– mechanical fittings;

– fabricated fittings (see Annex B).

Projektleder: Henryk Stawicki

## 23.060.40
**Trykregulatorer**

Pressure regulators

### Nye Standarder

**DS/EN 14071:2024**

DKK 470,00

Identisk med EN 14071:2024

**LPG-udstyr og -tilbehør – Trykaflastningsventiler til LPG-trykbeholdere – Supplerende udstyr**

This document specifies the design, testing and inspection requirements for pressure relief valve isolating devices, valve manifolds, vent pipes and system assemblies which are, where necessary, used with pressure relief valves for use in static pressure vessels for Liquefied Petroleum Gas (LPG) service.

This document addresses both prototype testing and production testing of isolating devices and PRV manifolds.

Pressure relief valves for LPG pressure vessels are specified in EN 14129:2014.

Projektleder: Lone Skjerning

**DS/EN 14129:2024**

DKK 575,00

Identisk med EN 14129:2024

**LPG-udstyr og -tilbehør – Trykaflastningsventiler til LPG-tryktanke**

This European Standard specifies the requirements for the design and testing of spring loaded pressure relief valves and thermal expansion valves for use in:

- static LPG pressure vessels,

NOTE – The pressure vessels can be situated above ground, underground or mounded.

- transportable LPG welded steel pressure drums,

- LPG pressure vessels on road tankers, rail tankers, tank-containers or demountable tanks.

This document does not address relief valves for LPG cylinders, which are identified in EN 13953.

This document does not address production testing.

Normative Annex B prescribes testing with conditioning at – 40 °C for valves for use under extreme low temperature conditions.

The requirements for pressure relief valve accessories such as isolating devices, changeover manifolds and vent pipes are specified in EN 14071.

EN 14570 identifies the requirements for the pressure relief valve capacities for static pressure vessels.

EN 12252 identifies the requirements for the pressure relief valve capacities for road tankers.

Valves designed in accordance with this standard are specifically for use in LPG applications. Valves manufactured in accordance with EN ISO 4126 1 may also be used in certain LPG applications.

Terms used with LPG pressure relief valves are described graphically in Annex A.

Projektleder: Lone Skjerning

## 23.060.50
**Kontraventiler**

Wafer check valves

### Nye Standarder

**DS/EN 17962:2024**

DKK 320,00

Identisk med EN 17962:2024

**Ventiler og fittings til hindring af tilbagestrømning og forurening af drikkevand – Polymerdele og beskyttelseshuse udsat for indre tryk og uden ydre belastning**

This document specifies additional requirements to the product standards given in Clause 5 for valves and devices to prevent pollution by backflow of potable water with polymer parts and housings under internal pressure and without external

loads intended for installations and equipment inside buildings conveying water for human consumption.

Projektleder: Henryk Stawicki

## 25.040
**Industrielle automatiseringssystemer**
Industrial automation systems

### Offentliggjorte forslag

**DSF/prEN IEC 62541-2:2024**
**Deadline: 2025-01-21**
Relation: CLC
Identisk med IEC 62541-2 ED1
og prEN IEC 62541-2:2024
**OPC Unified Architecture (OPC UA) – Del 2: Sikkerhedsmodel**
This document describes the OPC Unified Architecture (OPC UA) security model. It describes the security threats of the physical, hardware, and software environments in which OPC UA is expected to run. It describes how OPC UA relies upon other standards for security. It provides definition of common security terms that are used in this and other parts of the IEC 62541 series. It gives an overview of the security features that are specified in other parts of the series. It references services, mappings, and Profiles that are specified normatively in other parts of the 62541 series.
It provides suggestions or best practice guidelines on implementing security. Any seeming ambiguity between this document and one of the other normative parts does not remove or reduce the requirement specified in the other normative part.
NOTE – that there are many different aspects of security that have to be addressed when developing applications. However, since OPC UA specifies a communication protocol, the focus is on securing the data exchanged between applications. This does not mean that an application developer can ignore the other aspects of security like protecting persistent data against tampering. It is important that the developers look into all aspects of security and decide how they can be addressed in the application.

Projektleder: Søren Lütken Storm

## 25.040.40
**Industriel procesmåling og -styring**
Industrial process measurement and control

### Nye Standarder

**DS/EN IEC 61010-2-201:2024**
DKK 880,00
Identisk med IEC 61010-2-201:2024 ED3
og EN IEC 61010-2-201:2024
**Sikkerhedskrav til elektrisk udstyr til måling, styring og laboratoriebrug – Del 2-201: Særlige krav til styringsudstyr**
This clause of Part 1 is applicable, except as follows.
1.1.1 Equipment included in scope
Replacement:
This part of IEC 61010 specifies safety requirements and related verification tests for control equipment and/or their associated peripherals.
Some equipment examples are:
- programmable logic controller (PLC);
- programmable automation controller (PAC);
- distributed control systems (DCS);
- industrial PC (computers) and panel PC;
- programming and debugging tools (PADTs);
- displays and human-machine interfaces (HMI);
- any product performing the function of control equipment and/or their associated peripherals;
- positioners; and
- control equipment which have as their intended use the command and control of machines, automated manufacturing and industrial processes, e.g. discrete and continuous control.

Components of the above named equipment and in the scope of this standard are e.g.:
- (auxiliary) stand-alone power supplies;
- peripherals such as digital and analogue I/O,
- remote-I/O;
- industrial network equipment, embedded or standalone (e.g. switches, routers, wireless base station).

Control equipment and their associated peripherals are intended to be used in an industrial environment and may be provided as OPEN or ENCLOSED EQUIPMENT.
NOTE – 1 – Control equipment intended also for use in other environments or for other purposes (example: for use in building installations to control light or other electrical installations, or for use on cars, trains or ships) can have additional conformity requirements defined by the safety standard(s) for these applications. These requirements can involve as example: insulation, spacings and power restrictions.
NOTE – 2 – Computing devices and similar equipment within the scope of IEC 60950 (planned to be replaced by IEC 62368) and conforming to its requirements are considered to be suitable for use with control equipment within the scope of this standard. However, some of the requirements of IEC 60950 for resistance to moisture and liquids are less stringent than those in IEC 61010-1:2010, 5.4.4 second paragraph.
Control equipment covered in this standard is typically intended 237 for use in OVERVOLTAGE CATEGORY II (IEC 60664-1) in low-voltage installations, where the RATED equipment supply voltage does not exceed AC. 1 000 V r.m.s. (50/60 Hz), or DC 1 000 V.
Where control equipment is intended for installation to supply systems with overvoltage category III or IV, additional requirements are identified in Annex K.
The requirements of ISO/IEC Guide 51 and IEC Guide 104, as they relate to this part of IEC 61010, are incorporated herein.
1.1.2 Equipment excluded from scope
Replacement:
This standard does not deal with aspects of the overall automated system, e.g. a complete assembly line. Control equipment (e.g. DCS and PLC), their application program and their associated peripherals are considered as components (components in this context are items which perform no useful function by themselves) of an overall automated system.
Since control equipment (e.g. DCS and PLC) are component devices, safety considerations for the overall automated system including installation and application are beyond the scope of this standard. Refer to IEC 60364 series of standards or applicable national/local regulations for electrical installation and guidelines.
1.2.1 Aspects included in scope
Replace first sentence:
The purpose of the requirements of this standard is to ensure that all HAZARDs to the OPERATOR, SERVICE PERSONNEL and the surrounding area are reduced to a tolerable level.
NOTE – By using the terms "OPERATOR" and "SERVICE PERSONNEL" this standard considers the perception of HAZARDS depending on training and skills. Annex AA gives a general approach in this regard.
1.2.2 Aspects excluded from scope
Replacement:
This standard does not cover:
a)[...]
b)[...]
c)[...]
d)[...]
e)[...]

Projektleder: Søren Lütken Storm

**DS/EN IEC 61987-1:2024**
DKK 810,00
Identisk med IEC 61987-1:2024 ED2
og EN IEC 61987-1:2024
**Måling og styring af industrielle processer – Datastrukturer og elementer i procesudstyrskataloger – Del 1: Måleudstyr med analogt og digitalt output**
IEC 61987-1:2024 is available as IEC 61987-1:2024 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition. IEC 61987-1:2024 defines a generic structure in which product features of industrial process measurement devices shall be arranged, in order to facilitate the understanding of product descriptions when they are transferred from one party to another. It applies to the production of catalogues supplied by the manufacturer of such devices and helps the user to formulate their requirements. This document will also serve as a reference document for all future standards which are concerned with process measuring equipment.
In addition, this document also provides a basic structure for the production of further standards listing the properties of process control equipment, for example, for actuators and infrastructure devices.
This edition includes the following significant technical changes with respect to the previous edition:
a) Addition of a subclause “Digital communication” in Clause 5, in order to allow a more comprehensive description of the properties of such an interface;

b) Alignment of clause headings, as described in the introduction, to correspond with those of the IEC CDD.

Projektleder: Søren Lütken Storm

**DS/ISO 15926-6:2024**
DKK 665,00
Identisk med ISO 15926-6:2024
**Industrielle automationssystemer og integration – Integration af livscyklusdata til procesanlæg inklusive olie- og gasproduktionsanlæg – Del 6: Regler for udvikling og validering af ISO/TS 15926-4-referencedata**
This document specifies technical requirements for the structure and content of a reference data library for ISO/TS 15926-4.
NOTE This document can also be applied to reference data libraries other than ISO/TS 15926-4.
The following are within the scope of this document:
– identification of a reference data item as specified in ISO/TS 15926-4;
– information that defines a reference data item;
– the way identifying and defining information is recorded using ISO 15926-2;
– the reference data library that contains the reference data items necessary to record identification and defining information;
– the representation of the reference data library that is defined by this document as a spreadsheet.
The following are outside the scope of this document:
– administrative information about the source, the history of changes, and the current status of a reference data item and a reference data library;
– the way administrative information is recorded using ISO 15926-2;
– the reference data library that contains the reference data items necessary to record administrative information;
– defining the scope of reference data libraries within the ISO 15926 series;
– methods and guidelines for implementing ISO 15926-2;
– procedures for maintaining reference data libraries;
– requirements for the representation of a proprietary reference data library.

Projektleder: Søren Lütken Storm

**DS/ISO 8000-210:2024**
DKK 665,00
Identisk med ISO 8000-210:2024
**Datakvalitet – Del 210: Sensordata: Datakvalitetsegenskaber**
This document specifies quality characteristics of data that are recorded by sensors as a stream of single, discrete digital values.
The following are within the scope of this document:
– quality characteristics of sensor data;
– types of anomalies in sensor data;
– relationships between quality characteristics of sensor data and anomalies in sensor data;
– application of quality characteristics of sensor data.
The following are outside the scope of this document:
– analogue, image, video and audio data that are captured by sensors;
– signal processing that converts or modifies analogue data to create digital data;
– methods to measure and improve data quality.

Projektleder: Søren Lütken Storm

## 25.140.20
**Elektrisk værktøj**
Electric tools

### Offentliggjorte forslag

**DSF/EN 62841-3-1:2014/prA2:2024**
**Deadline: 2025-01-20**
Relation: CLC
Identisk med IEC 62841-3-1/AMD2 ED1
og EN 62841-3-1:2014/prA2:2024
**Elektrisk motordrevet håndværktøj, transportabelt værktøj og plæne- og havebrugsmaskiner – Sikkerhed – Del 3-1: Særlige krav til transportable bordsave**
This clause of Part 1 is applicable except as follows:
Addition:
This standard applies to transportable diamond drills, intended to be connected to a liquid system. Liquid system may include liquid from a pipe or container.

Projektleder: Pernille Rasmussen

## 25.160.01
**Svejsning, lodning og blødlodning. Generelt**
Welding, brazing and soldering in general

### Offentliggjorte forslag

**DSF/ISO/DIS 15608**
**Deadline: 2025-02-10**
Relation: ISO
Identisk med ISO/DIS 15608
**Svejsning – Grupperingssystem for metalliske materialer**
This document specifies a uniform system for grouping materials for welding purposes. It can also be applied for other purposes, such as heat treatment, forming and non-destructive testing.

Projektleder: Lone Skjerning

**DSF/prEN ISO 15608**
**Deadline: 2025-02-19**
Relation: CEN
Identisk med ISO/DIS 15608
og prEN ISO 15608
**Svejsning – Grupperingssystem for metalliske materialer**
This document specifies a uniform system for grouping materials for welding purposes. It can also be applied for other purposes, such as heat treatment, forming and non-destructive testing.

Projektleder: Lone Skjerning

## 25.160.10
**Svejseprocesser**
Welding processes

### Nye Standarder

**DS/ISO/TR 22824:2024**
DKK 665,00
Identisk med ISO/TR 22824:2024
**Svejsning – God praksis for specifikation og måling af ferrit i rustfrit svejsemetal**
This document describes best practices, based on the experience of experts, for setting appropriate requirements, in specifications and other standards and contract documents, on ferrite content of nominally austenitic or duplex ferritic-austenitic stainless steel weld metals. It also describes a best practice on measurement and measurement reproducibility, and deals with outliers in measurement. It considers ferrite in the weld heat-affected zone of duplex stainless steel. It does not consider specification or measurement of ferrite in ferritic stainless steels nor in martensitic stainless steels.

Projektleder: Lone Skjerning

## 25.160.40
**Svejste samlinger og svejsesømme**
Welded joints and welds

### Nye Standarder

**DS/EN 12814-8:2024**
DKK 440,00
Identisk med EN 12814-8:2024
**Prøvning af svejste samlinger på halvfabrikata i termoplast – Del 8: Krav**
This document provides the requirements for the tests made on welded thermoplastics semi-finished products.
The selection of the appropriate test method(s) is made in accordance with the particular type and application of welded product.
The test results depend on the conditions of manufacture for the test specimen and on the test conditions. They can therefore only be related to the behaviour of the product or can only be used for designing a structure, if the test conditions can be related to the service conditions.

Projektleder: Anne Holm Sjøberg

## 25.220.10
**Overfladeforberedelse**
Surface preparation

### Nye Standarder

**DS/ISO 11127-8:2020**
DKK 320,00
Identisk med ISO 11127-8:2020
**Klargøring af ståloverflader forud for påføring af maling og lignende produkter – Metoder til prøvning af ikke-metalliske slibemidler til sandblæsning – Del 8: Bestemmelse af vandopløselige chlorider med feltmetoden**
This document specifies a field method for the determination of water-soluble chlorides in non-metallic blast-cleaning abrasi-

ves. This field method is provided as a kit with all components and premeasured extraction solution.

This document differs from ISO 11127-7 in that equal volumes of the sample of abrasive and extraction solution are used for the determination of chloride level in the abrasive. In comparison, ISO 11127-7 uses a weight to volume ratio of abrasive to solvent (deionized water) to extract soluble salts from the abrasive. It is intended for use in the field as compared to ISO 11127-7, which is well suited for use in the laboratory.

Projektleder: Merete Westergaard Bennick

**DS/ISO 8502-15:2020**

DKK 440,00

Identisk med ISO 8502-15:2020

**Klargøring af ståloverflader forud for påføring af maling og lignende produkter – Prøvning til vurdering af overfladers renhed – Del 15: Ekstraktion af opløselige forurenende stoffer til analyse ved syreekstraktion**

This document specifies a method of extracting, for analysis, acid soluble contaminants from a surface by use of flexible cells in the form of adhesive patches or sleeves which can be attached to any surface, regardless of its shape (flat or curved) and its orientation (facing in any direction, including downwards).

The described method is suitable for use in the field to determine the presence of acid soluble contaminants before painting or a similar treatment.

This document does not cover the subsequent analysis of the contaminants that have been dissolved off. Methods of analysis suitable for field use are described in other parts of ISO 8502 such as ISO 8502-5.

This document is similar in procedure to, but not equal to, ISO 8502-6. The main difference is the solvent used and the subsequent analysis that can be performed on the extraction solution.

Projektleder: Merete Westergaard Bennick

**DS/ISO 8504-4:2022**

DKK 355,00

Identisk med ISO 8504-4:2022

**Klargøring af ståloverflader forud for påføring af maling og lignende produkter – Metoder til klargøring af overfladen – Del 4: Syrebejdsning**

This document describes the typical method for acid pickling generally used in a shop facility for the preparation of steel substrates before application of paints and related products. It is in general applicable to new steelwork.

This method is essentially intended to remove rust and mill scale. Typically, only slight oil residues can be removed during this process. It can be used on steel surfaces that are easily deformed by abrasive blasting.

Projektleder: Merete Westergaard Bennick

## 25.220.20
**Overfladebehandling**

Surface treatment

### Offentliggjorte forslag

**DSF/ISO/DIS 3210**
**Deadline: 2025-02-23**

Relation: ISO

Identisk med ISO/DIS 3210

**Anodisering af aluminium og aluminiumlegeringer – Vurdering af kvaliteten af forseglede anodiseringslag ved måling af massetabet efter nedsænkning i syreopløsning(er)**

ISO 3210:2017 specifies methods of assessing the quality of sealed anodic oxidation coatings on aluminium and its alloys by measurement of the loss of mass after immersion in acid solution(s).

It consists of the following two methods.

- Method 1: Assessment of quality of sealed anodic oxidation coatings by measurement of the loss of mass after immersion in a phosphoric acid based solution without prior acid treatment.
- Method 2: Assessment of quality of sealed anodic oxidation coatings by measurement of the loss of mass after immersion in a phosphoric acid based solution with prior acid treatment.

Method 1 is applicable to anodic oxidation coatings intended for decorative or protective purposes or where resistance to staining is important.

Method 2 is applicable to anodic oxidation coatings intended for outdoor architectural purposes. For less severe applications, Method 1 can be more suitable.

The methods are not applicable to the following:

- hard-type anodic oxidation coatings which normally are not sealed;
- anodic oxidation coatings that have been sealed only in dichromate solutions;
- anodic oxidation coatings produced in chromic acid solutions;
- anodic oxidation coatings that have undergone treatment to render them hydrophobic.

NOTE 1 – The methods assess the quality of hydrothermal sealing applied to anodized aluminium. They can be appropriate for other sealing methods.

NOTE 2 – The methods are destructive and can serve as reference methods in case of doubt or dispute regarding the results of the test for loss of absorptive power (see ISO 2143) or the measurement of admittance (see ISO 2931).

Projektleder: Erling Richard Trudsø

**DSF/prEN ISO 3210**
**Deadline: 2025-02-26**

Relation: CEN

Identisk med ISO/DIS 3210

og prEN ISO 3210

**Anodisering af aluminium og aluminiumlegeringer – Vurdering af kvaliteten af forseglede anodiseringslag ved måling af massetabet efter nedsænkning i syreopløsning(er)**

ISO 3210:2017 specifies methods of assessing the quality of sealed anodic oxidation coatings on aluminium and its alloys by measurement of the loss of mass after immersion in acid solution(s).

It consists of the following two methods.

- Method 1: Assessment of quality of sealed anodic oxidation coatings by measurement of the loss of mass after immersion in a phosphoric acid based solution without prior acid treatment.
- Method 2: Assessment of quality of sealed anodic oxidation coatings by measurement of the loss of mass after immersion in a phosphoric acid based solution with prior acid treatment.

Method 1 is applicable to anodic oxidation coatings intended for decorative or protective purposes or where resistance to staining is important.

Method 2 is applicable to anodic oxidation coatings intended for outdoor architectural purposes. For less severe applications, Method 1 can be more suitable.

The methods are not applicable to the following:

- hard-type anodic oxidation coatings which normally are not sealed;
- anodic oxidation coatings that have been sealed only in dichromate solutions;
- anodic oxidation coatings produced in chromic acid solutions;
- anodic oxidation coatings that have undergone treatment to render them hydrophobic.

NOTE 1 – The methods assess the quality of hydrothermal sealing applied to anodized aluminium. They can be appropriate for other sealing methods.

NOTE 2 – The methods are destructive and can serve as reference methods in case of doubt or dispute regarding the results of the test for loss of absorptive power (see ISO 2143) or the measurement of admittance (see ISO 2931).

Projektleder: Pernille Rasmussen

## 27.010
**Energi- og varmeoverføringsteknik. Generelt**

Energy and heat transfer engineering in general

### Offentliggjorte forslag

**DSF/prEN 17483-4**
**Deadline: 2025-02-03**

Relation: CEN

Identisk med prEN 17483-4

**Private sikkerhedsudbydere – Beskyttelse af kritisk infrastruktur – Del 4: Sikkerhedstjenester til energisektoren**

This document includes the sector specific requirements for the provision of private security services in the energy sector that are additional to the requirements of EN 17483 1.

It specifies service requirements for quality in organization, processes, personnel and management of a security service provider and/or its independent branches and establishments under commercial law and trade as a provider with regard to security services in the energy sector.

It lays down quality criteria for the delivery of security services in the energy sector requested by public and private clients. This document is suitable for the selection, attribution, awarding and reviewing of the

most suitable provider of security services in the energy sector.

NOTE 1 – This document is the Part 4 of a series of standards on the provision of private security services for critical infrastructure. See Figure 2.

[Figure 2]

NOTE 2 – It is important that the selection of a private security service provider always represents the best balance between quality and price. This document sets out the minimum requirements that providers are expected to comply with in order for this balance to be struck.

It specifies service requirements for quality in organization, processes, personnel and management of a security service provider and/or its independent branches and establishments under commercial law and trade as a provider with regard to security services in the energy sector. It lays down quality criteria for the delivery of security services in the energy sector requested by public and private clients.

This document is suitable for the selection, attribution, awarding and reviewing of the most suitable provider of security services in the energy sector.

This document is not applicable to private security services in nuclear power plants.

List of possible activities

Activities for PSCs in CIP in the energy sector:

1. Perimeter Protection and Surveillance:

– Human – reception services, static guarding, patrols, possibly K9;

– Technology – CCTV, Drones, others;

– Operation of a control/monitoring room;

– Operation of an alarm monitoring centre;

– Access Control and Management (tourniquets, barriers, authorization and badges).

2. Human and technology, e.g. use of screening and detection equipment for:

– Vehicles;

– Goods;

– Visitors;

– Staff;

– Contractors (means: human and technology, e.g. use of screening and detection equipment);

3. Site and off-site Protection and Surveillance / static securing & patrolling on-site and within the building;

4. Emergency response / crisis management;

– Alarm intervention;

– First responders (EHS – Emergency Health Services);

Projektleder: Bibi Nellemose

## 27.020
**Forbrændingsmotorer**
Internal combustion engines

### Offentliggjorte forslag

**DSF/ISO/DIS 8528-13**
**Deadline: 2025-02-11**

Relation: ISO

Identisk med ISO/DIS 8528-13

**Generatorsæt med forbrændingsmotor – Del 13: Sikkerhed**

ISO 8528-13:2016 specifies the safety requirements for reciprocating internal combustion (RIC) engine driven generating sets up to 1 000 V consisting of an RIC engine, an alternating current (AC) generator including the additional equipment required for operating, e.g. controlgear, switchgear, auxiliary equipment.

It is applicable to generating sets for land and marine use (domestic, recreational and industrial application). It is not applicable to generating sets used on board of seagoing vessels and mobile offshore units as well as on aircraft or to propel road vehicles and locomotives.

NOTE – This part of ISO 8528 does not apply to arc welding equipment (IEC 60974 series).

The special requirements needed to cover operation in potentially explosive atmospheres are not covered in this part of ISO 8528.

The hazards relevant to RIC engine driven generating sets are identified in Annex A.

ISO 8528-13:2016 deals with the special requirements of test and safety design which should be observed in addition to the definitions and requirements in ISO 8528-1, ISO 8528-2, ISO 8528-3, ISO 8528-4, ISO 8528-5 and ISO 8528-6, where applicable. It specifies safety requirements in order to protect the user from danger.

**DSF/prEN ISO 8528-13**
**Deadline: 2025-02-19**

Relation: CEN

Identisk med ISO/DIS 8528-13

og prEN ISO 8528-13

**AC-generator med forbrændingsmotor – Del 13: Sikkerhed**

ISO 8528-13:2016 specifies the safety requirements for reciprocating internal combustion (RIC) engine driven generating sets up to 1 000 V consisting of an RIC engine, an alternating current (AC) generator including the additional equipment required for operating, e.g. controlgear, switchgear, auxiliary equipment.

It is applicable to generating sets for land and marine use (domestic, recreational and industrial application). It is not applicable to generating sets used on board of seagoing vessels and mobile offshore units as well as on aircraft or to propel road vehicles and locomotives.

NOTE – This part of ISO 8528 does not apply to arc welding equipment (IEC 60974 series).

The special requirements needed to cover operation in potentially explosive atmospheres are not covered in this part of ISO 8528.

The hazards relevant to RIC engine driven generating sets are identified in Annex A.

ISO 8528-13:2016 deals with the special requirements of test and safety design which should be observed in addition to the definitions and requirements in ISO 8528-1, ISO 8528-2, ISO 8528-3, ISO 8528-4, ISO 8528-5 and ISO 8528-6, where applicable. It specifies safety requirements in order to protect the user from danger.

Projektleder: Pernille Rasmussen

## 27.080
**Varmepumper**
Heat pumps

### Nye Standarder

**DS/EN ISO 21922:2021/A1:2024**
DKK 440,00

Identisk med ISO 21922:2021/Amd 1:2024

og EN ISO 21922:2021/A1:2024

**Kølesystemer og varmepumper – Ventiler – Krav, prøvning og mærkning – Tillæg 1**

This document specifies safety requirements, certain functional requirements, and marking of valves and other components with similar bodies, hereinafter called valves, for use in refrigerating systems including heat pumps.

This document includes requirements for valves with extension pipes.

This document describes the procedure to be followed when designing valve parts subjected to pressure as well as the criteria to be used in the selection of materials.

This document describes methods by which reduced impact values at low temperatures may be taken into account in a safe manner.

This document applies to the design of bodies and bonnets for pressure relief devices, including bursting disc devices, with respect to pressure containment but it does not apply to any other aspects of the design or application of pressure relief devices.

In addition, this document is applicable to valves with a maximum operating temperature not exceeding 200 °C and a maximum allowable pressure not exceeding 160 bar[1].

[1] 1 bar = 0,1 MPa.

Projektleder: Charlotte Vartou Forsingdal

**DS/ISO 21922:2021/Amd 1:2024**
DKK 320,00

Identisk med ISO 21922:2021/Amd 1:2024

**Kølesystemer og varmepumper – Ventiler – Krav, prøvning og mærkning – Tillæg 1**

This document specifies safety requirements, certain functional requirements, and marking of valves and other components with similar bodies, hereinafter cal-

led valves, for use in refrigerating systems including heat pumps.

This document includes requirements for valves with extension pipes.

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In addition, this document is applicable to valves with a maximum operating temperature not exceeding 200 °C and a maximum allowable pressure not exceeding 160 bar[1].

[1] 1 bar = 0,1 MPa.

Projektleder: Charlotte Vartou Forsingdal

## 27.180
**Vindenergi**
Wind turbine energy systems

### Offentliggjorte forslag

**DSF/IEC TS 61400-9 ED1**
**Deadline: 2025-02-01**
Relation: IEC
Identisk med IEC TS 61400-9 ED1
**Vindenergianlæg – Del 9: Probabilistiske designforanstaltninger til vindmøller**

The part of IEC 61400, which is a Technical Specification, sets out minimum requirements to the use of probabilistic design measures in order to ensure the structural and mechanical integrity of wind turbines. The document is based on the general approach in ISO 2394, which also forms the basis for IEC 61400-1. In 61400-1, the design verification approach is based on deterministic design using safety factors. However, edition 4 of 265 IEC 61400-1:2019 opens for introduction of probabilistic design in an informative annex specifying requirements to the calibration of structural material safety factors and structural design assisted by testing. IEC 61400-1 is the governing standard. This document provides appropriate methodologies and requirements for full probabilistic design by taking into account specific uncertainties on not only material properties but also on environmental conditions, design models and the degree of validation. This document also provides provisions for semi probabilistic design, including reliability-based calibration of partial safety factors and assessment of existing wind turbines. The probabilistic methods in this document are formulated generically and can be applied to structural and mechanical failure modes where a limit state equation can be formulated.

Projektleder: Christine Weibøl Bertelsen

## 27.200
**Køleteknologi**
Refrigerating technology

### Nye Standarder

**DS/EN ISO 21922:2021/A1:2024**
DKK 440,00
Identisk med ISO 21922:2021/Amd 1:2024
og EN ISO 21922:2021/A1:2024
**Kølesystemer og varmepumper – Ventiler – Krav, prøvning og mærkning – Tillæg 1**

This document specifies safety requirements, certain functional requirements, and marking of valves and other components with similar bodies, hereinafter called valves, for use in refrigerating systems including heat pumps.

This document includes requirements for valves with extension pipes.

This document describes the procedure to be followed when designing valve parts subjected to pressure as well as the criteria to be used in the selection of materials.

This document describes methods by which reduced impact values at low temperatures may be taken into account in a safe manner.

This document applies to the design of bodies and bonnets for pressure relief devices, including bursting disc devices, with respect to pressure containment but it does not apply to any other aspects of the design or application of pressure relief devices.

In addition, this document is applicable to valves with a maximum operating temperature not exceeding 200 °C and a maximum allowable pressure not exceeding 160 bar[1].

[1] 1 bar = 0,1 MPa.

Projektleder: Charlotte Vartou Forsingdal

**DS/ISO 21922:2021/Amd 1:2024**
DKK 320,00
Identisk med ISO 21922:2021/Amd 1:2024
**Kølesystemer og varmepumper – Ventiler – Krav, prøvning og mærkning – Tillæg 1**

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In addition, this document is applicable to valves with a maximum operating temperature not exceeding 200 °C and a maximum allowable pressure not exceeding 160 bar[1].

[1] 1 bar = 0,1 MPa.

Projektleder: Charlotte Vartou Forsingdal

## 29.020
**Elektroteknik generelt**
Electrical engineering in general

### Offentliggjorte forslag

**DSF/EN IEC 60445:2021/prA1:2024**
**Deadline: 2025-02-06**
Relation: CLC
Identisk med IEC 60445/AMD1 ED7
og EN IEC 60445:2021/prA1:2024
**Grundlæggende principper og sikkerhedsprincipper for grænseflade mellem menneske og maskine, mærkning og identifikation – Identifikation af klemmer på materiel, ledertilslutninger og ledere**

This document applies to the identification and marking of terminals of electrical equipment such as resistors, fuses, relays, contactors, transformers, rotating machines and, wherever applicable, to combinations of such equipment (e.g. assemblies), and it also applies to the identification of terminations of certain designated conductors. It also provides general rules for the use of certain colours or alphanumeric notations to identify conductors with the aim of avoiding ambiguity and ensuring safe operation. These conductor colours and alphanumeric notations are intended to be applied on cores, busbars, and electrical equipment, and in cables or installations.

This basic safety publication focusing on safety essential requirements is primarily intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51.

It is not intended for use by manufacturers or certification bodies. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Projektleder: Peter Damgaard

## 29.060.20
**Kabler**
Cables

### Offentliggjorte forslag

**DSF/IEC 60092-352 ED4**
**Deadline: 2025-01-25**
Relation: IEC
Identisk med IEC 60092-352 ED4
**Elektriske installationer i skibe – Del 352: Valg og installation af elektriske kabler**

This part of IEC 60092 provides the basic requirements for the selection and instal-

lation of electrical cables intended for fixed electrical systems on board ships at voltages ( U) up to and including Um 36 kV and also fibre optic cables..

The reference to fixed systems includes those that are subjected to vibration (due to the movement of the ship) or movement (due to motion of the ship) and not to those that are intended for frequent flexing.

Cables subject to frequent or continual flexing use shall be able to withstand the mechanical stress and the environment they are exposed to and are detailed in other IEC specifications e.g. IEC 60227 and IEC 60245. Flexible cables are frequently used for retractable thrusters, elevators, moving decks, cranes, shore connections and other moving applications on board ships.

The following types and applications of cables are not included:

– optical fibre cables;

– sub-sea and umbilical cables;

– data, telecommunication and radio frequency cables;

– the choice and installation of cables for use on offshore platforms ;

Projektleder: Per Velk

**DSF/IEC 60287-3-2 ED3**
**Deadline: 2025-02-13**

Relation: IEC

Identisk med IEC 60287-3-2 ED3

**Elektriske kabler – Beregning af mærkestrøm – Del 3-2: Kapitler om driftsforhold – Økonomisk optimering af størrelse på kraftkabler**

This part of IEC 60287 sets out a method for the selection of a cable size taking into account the initial investments and the future costs of energy losses during the anticipated operational life of the cable.

Matters such as maintenance, energy losses in forced cooling systems and time of day energy costs have not been included in this standard.

Two examples of the application of the method to hypothetical supply systems are given in

Annex A.

Projektleder: Maria Gabriella Banck

## 29.080.01
**Elektrisk isolation. Generelt**

Electrical insulation in general

### Nye Standarder

**DS/EN IEC 61557-13:2024**

DKK 525,00

Identisk med IEC 61557-13:2023 ED2

og EN IEC 61557-13:2024

**Elektrisk sikkerhed i lavspændingsdistributionssystemer op til 1 000 V vekselstrøm og 1 500 V jævnstrøm – Udstyr til prøvning, måling eller overvågning af beskyttelsesforanstaltninger – Del 13: Håndholdte og håndbetjente strømtænger og sensorer til måling af lækstrøm i elektriske forsyningssystemer**

IEC 61557-13:2023 defines special performance requirements for hand-held and hand manipulated current clamps and sensors for measurement of leakage currents in electrical distribution systems up to 1 000 V AC and 1 500 V DC taking into account the influence of high external low-frequency magnetic fields and other influencing quantities. See Annex A for examples of measurement applications.

This document does not apply to current clamps or sensors that are used in combination with devices for insulation fault location in accordance with IEC 61557-9, unless it is specified by the manufacturer.

IEC 61557-13:2023 cancels and replaces the first edition published in 2011. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) the term "fixing device" has been removed;

b) the measuring range was changed to a display range, the indication of DC or peak values has been added in 4.1;

c) the frequency for the test of sensitivity for low-frequency magnetic fields has been defined in 4.2;

d) the specified measuring range is now defined as the range of indicated values based on the operating uncertainty in 4.3;

e) alignment of the structure with that of the whole IEC 61557 series;

f) the variation E12 (maximum load current), may be specified according to the manufacturer's specification.

Projektleder: Pernille Rasmussen

**DS/EN IEC 61557-14:2024**

DKK 470,00

Identisk med IEC 61557-14:2023 ED2

og EN IEC 61557-14:2024

**Elektrisk sikkerhed i lavspændingsdistributionssystemer op til 1 000 V a.c. og 1 500 V d.c – Udstyr til prøvning, måling eller overvågning af beskyttelsesforanstaltninger – Del 14: Udstyr til prøvning af sikkerheden af elektrisk udstyr i maskiner**

IEC 61557-14:2023 defines special requirements for test and measurement equipment used to determine the electrical safety of electrical equipment of machinery in accordance with IEC 60204-1.

This International Standard is to be used in conjunction with IEC 61557-1:2019.

IEC 61557-14:2023 cancels and replaces the first edition published in 2013. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) clarifying the introduction;

b) replaced "dielectric strength" by "voltage test";

c) requirement for maximum output current has been added in 4.2.6.1;

d) tripping time at electrical switching activated by two-hand operation has been added in 4.2.6.1;

e) additional time limiting capability for the protection against electric shock for test persons and bystanders in 4.2.6.2;

f) updated references for safety testing;

g) alignment of the structure with that of the whole IEC 61557 series.

Projektleder: Pernille Rasmussen

**DS/EN IEC 61557-16:2024**

DKK 525,00

Identisk med IEC 61557-16:2023 ED2

og EN IEC 61557-16:2024

**Elektrisk sikkerhed i lavspændingsdistributionssystemer op til 1 000 V a.c. og 1 500 V d.c. – Udstyr til prøvning, måling eller overvågning af beskyttelsesforanstaltninger – Del 16: Udstyr til prøvning af effektiviteten af beskyttelsesforanstaltninger for elektrisk udstyr og/eller medicinsk elektrisk udstyr**

IEC 61557-16:2023 specifies the requirements applicable to the performance for test and measurement equipment in order to determine the effectiveness of the protective measures for electrical equipment and/or medical electrical equipment described in IEC 62353.

This International Standard is to be used in conjunction with IEC 61557-1:2019.

IEC 61557-16:2023 cancels and replaces the first edition published in 2014. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) splitting of uncertainty requirements for medical and non-medical electrical equipment in 4.2.1;

b) addition of a definition of ranges with defined uncertainty in 4.2.1 to 4.2.7;

c) addition of an optional measuring device (MD) for non-medical devices in 4.2.1;

d) addition of a limitation of the maximum intrinsic uncertainty for medical applications at leakage current in 4.2.1;

e) change of 4.2.3 from test sockets to sockets for service purposes;

f) addition of a warning in the operating instructions;

g) integration of former 6.3 into 6.2;

h) update of Table 1;

i) alignment of the structure with that of the whole IEC 61557 series.

Projektleder: Pernille Rasmussen

## 29.120.20
**Forbindelsesanordninger**

Connecting devices

### Nye Standarder

**DS/EN IEC 60352-2:2024**

DKK 1.055,00

Identisk med IEC 60352-2:2024 ED3

og EN IEC 60352-2:2024

**Loddefri forbindelser – Del 2: Krimpede forbindelser – Generelle krav, prøvningsmetoder og praktisk vejledning**

IEC 60352-2:2024 is applicable to solderless crimped connections made with:

- appropriately designed uninsulated or pre-insulated crimp barrels as parts of crimp contacts, terminal ends or splices, and

- stranded wires of 0,05 mm2 to 10 mm2 cross-section or

- solid wires of 0,25 mm to 3,6 mm diameter;

for use in electrical and electronic equipment.

Information on the materials and data from industrial experience is included in

addition to the test procedures to provide electrically stable connections under prescribed environmental conditions.

This part of IEC 60352 is not applicable to crimping of coaxial cables.

This part of IEC 60352 determines the suitability of solderless crimped connections as described above, under specified mechanical, electrical and atmospheric conditions and provides a means of comparing test results when the tools used to make the connections are of different designs or manufacture.

Projektleder: Maria Gabriella Banck

## 29.120.30
**Stikpropper, stikkontakter, konnektorer**

Plugs, socket-outlets, couplers

### Offentliggjorte forslag

**DSF/IEC 63407 ED1**
**Deadline: 2025-02-20**

Relation: CLC

Identisk med IEC 63407 ED1

og prEN IEC 63407:2024

**Konduktiv opladning af elkøretøjer – Kontaktgrænseflade for ACD-enheder**

Projektleder: Henning Nielsen

**DSF/prEN IEC 63407:2024**
**Deadline: 2025-02-20**

Relation: CLC

Identisk med IEC 63407 ED1

og prEN IEC 63407:2024

**Konduktiv opladning af elkøretøjer – Kontaktgrænseflade for ACD-enheder**

Projektleder: Henning Nielsen

## 29.120.50
**Sikringer og andre anordninger til overstrømsbeskyttelse**

Fuses and other overcurrent protection devices

### Nye Standarder

**DS/EN IEC 60691:2023/A1:2024**

DKK 320,00

Identisk med IEC 60691:2023/AMD1:2024 ED5

og EN IEC 60691:2023/A1:2024

**Termosikringer – Krav og anvendelsesvejledning**

IEC 60691:2023 is available as IEC 60691:2023 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 60691:2023 is applicable to thermal-links intended for incorporation in electrical appliances, electronic equipment and component parts thereof, normally intended for use indoors, in order to protect them against excessive temperatures under abnormal conditions.

NOTE 1 The equipment is not designed to generate heat.

NOTE 2 The effectiveness of the protection against excessive temperatures logically depends upon the position and method of mounting of the thermal-link, as well as upon the current which it is carrying.

This document may be applicable to thermal-links for use under conditions other than indoors, provided that the climatic and other circumstances in the immediate surroundings of such thermal-links are comparable with those in this standard.

This document may be applicable to thermal-links in their simplest forms (e.g. melting strips or wires), provided that molten materials expelled during function cannot adversely interfere with the safe use of the equipment, especially in the case of hand-held or portable equipment, irrespective of its position.

Projektleder: Pernille Rasmussen

## 29.120.70
**Relæer**

Relays

### Nye Standarder

**DS/EN IEC 63522-8:2024**

DKK 470,00

Identisk med IEC 63522-8:2024 ED1

og EN IEC 63522-8:2024

**Elektriske relæer – Prøvninger og målinger – Del 8: Tid**

IEC 63522-8:2024, when required by the detail specification, is used for testing all kinds of relays. This test can also be used for similar devices when specified in a detail specification.

This document defines a standard test method to ensure that the relay times are within the specified limits.

Projektleder: Pernille Rasmussen

## 29.130.20
**Lavspændingskoblingsudstyr**

Low voltage switchgear and controlgear

### Offentliggjorte forslag

**DSF/EN 50152-3-1:2017/prA1**
**Deadline: 2025-02-05**

Relation: CLC

Identisk med EN 50152-3-1:2017/prA1

**Jernbaner – Faste installationer – Særlige krav til a.c.-koblingsudstyr – Del 3-1: Måle-, styre- og beskyttelsesudstyr til specifik anvendelse i a.c.-traktionssystemer – Udstyr**

Scope of standard

This European Standard is applicable to new low voltage devices for measurement, control and protection which are:

– for indoor or outdoor fixed installations in traction systems, and

– operated in conjunction with high voltage equipment with an a.c. line voltage and frequency as specified in EN 50163.

This European Standard also applies to measurement, control and protective devices other than low voltage devices and not covered by a specific railway product standard as far as reasonably possible. Requirements of this document prevail.

Scope of amendment

Implementation of 2 technical changes:

– Modification of subclause 5.4, second item in list of protection functions.

– Aligning the value for short-circuit current of 50 Hz traction systems given in Annex A subclause A.2.1 'Line testing – General' with EN 50388-1:2022 Table 7

Projektleder: Per Velk

## 29.140.99
**Andre standarder vedrørende lamper**

Other standards related to lamps

### Nye Standarder

**DS/EN IEC 61347-1:2024**

DKK 955,00

Identisk med IEC 61347-1:2024 ED4

og EN IEC 61347-1:2024

**Forkoblingsudstyr til elektriske lyskilder – Sikkerhed – Del 1: Generelle krav**

IEC 61347-1:2024 specifies general safety requirements for controlgear for electric light sources for use on DC supplies up to 1 500 V or AC supplies up to 1 000 V at 50 Hz or 60 Hz.

This fourth edition cancels and replaces the third edition published in 2015 and Amendment 1:2017. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) complete review of document structure, including but not limited to what is individually described under items b) to s);

b) removal of requirements for electromagnetic controlgear;

c) addition of more specific requirements for control circuit insulation and corresponding marking;

d) merging of thermal test requirements for transformers into a new Clause 16;

e) clarification of specifications for the moisture resistance test;

f) update of the normative reference to standards of the transformer series IEC 61558;

g) correction of the normative reference for PCB testing with respect to flames and fire;

h) update of further normative references where appropriate;

i) allowance of an alternative DC electric strength test;

j) addition of specific provisions for the use of bridging capacitors;

k) update of fire hazard testing requirements;

l) introduction of requirements for PELV applications;

m) clearance distances now generally based on peak instead of RMS voltage values;

n) introduction of a new type of protected emergency lighting controlgear;

o) review and clarification of touch current and voltage requirements;

p) clarification of the test sequence for independent controlgear with respect to the application of the IEC 60598 series versus the IEC 61347 series;

q) introduction of reduced touch voltages and currents for interrupted DC voltage

applications or pulse width modulation (PWM);

r) changes concerning the recommendations for electric strength routine testing;

s) merging of requirements for safety isolating controlgear from former Annex L into the main body of the document;

t) introduction of Annex N intended to address touch current measurement;

u) introduction of Annex O intended to provide information on document reorganization.

Projektleder: Maria Gabriella Banck

**DS/EN IEC 61347-2-11:2024**
DKK 440,00
Identisk med IEC 61347-2-11:2024 ED2
og EN IEC 61347-2-11:2024
**Forkoblingsudstyr til elektriske lyskilder – Sikkerhed – Del 2-11: Særlige krav til diverse elektroniske kredse anvendt med belysningsarmaturer**

IEC 61347-2-11:2024 specifies safety requirements for miscellaneous electronic circuits used with luminaires for use on DC supplies up to 1 500 V or on AC supplies up to 1 000 V at 50 Hz or 60 Hz.

This second edition cancels and replaces the first edition published in 2001 and Amendment 1: 2017. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) alignment with respect to the fourth edition of IEC 61347-1:

- introduction of dated references to the fourth edition of IEC 61347-1 as appropriate;

- deletion of clauses and subclauses which are either no longer relevant or now covered in IEC 61347-1;

b) scope extension to 1 500 V for direct current;

c) scope clarification;

d) revision of information and marking requirements;

e) addition of requirements for the determination of the output working voltage (new Clause 17).

Projektleder: Maria Gabriella Banck

**DS/EN IEC 61347-2-13:2024**
DKK 470,00
Identisk med IEC 61347-2-13:2024 ED3
og EN IEC 61347-2-13:2024
**Forkoblingsenheder til lamper – Sikkerhed – Del 2-13: Særlige krav til elektroniske forkoblingsenheder til LED-lyskilder**

IEC 61347-2-13:2024 specifies safety requirements for electronic controlgear for LED light sources for use on DC supplies up to 1 500 V or on AC supplies up to 1 000 V at 50 Hz or 60 Hz.

This document is applicable for electronic controlgear for LED light sources with an output voltage (RMS) not higher than 1 000 V.

This third edition cancels and replaces the second edition published in 2014 and Amendment 1:2016. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) alignment with respect to the fourth edition of IEC 61347-1:

- introduction of dated references to the fourth edition of IEC 61347-1 as appropriate;

- deletion of the clauses and subclauses which are either no longer relevant or now covered in IEC 61347-1;

b) update of normative references, introducing dated references where appropriate;

c) scope extension to 1 500 V for direct current;

d) scope clarification;

e) deletion of unused definitions;

f) revision of information and marking requirements;

g) new marking requirement "electronic controlgear for LED light sources";

h) new requirements for electronic controlgear for LED light sources with constant light output function or programmable current (additions to Clause 3, Clause 6, Clause 16 and Clause 18);

i) modification of requirements for the determination of the output working voltage (new Clause 17);

j) new requirements for the determination of the rated output characteristics (Clause 18).

Projektleder: Maria Gabriella Banck

**DS/EN IEC 61347-2-2:2024**
DKK 440,00
Identisk med IEC 61347-2-2:2024 ED3
og EN IEC 61347-2-2:2024
**Forkoblingsenheder til elektriske lyskilder – Sikkerhed – Del 2-2: Særlige krav til elektroniske step-down-konvertere til glødelamper**

IEC 61347-2-2:2024 specifies safety requirements for electronic step-down convertors for use on DC supplies of up to 1 500 V or AC supplies of up to 1 000 V at 50 Hz or 60 Hz, and with a rated output voltage ≤ 50 V (RMS) at a frequency deviating from the supply frequency, or 120 V ripple free DC between conductors and between any conductor and earth, associated with tungsten-halogen lamps as specified in IEC 60357, and other filament lamps.

This third edition cancels and replaces the second edition published in 2011. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) alignment with respect to the fourth edition of IEC 61347-1;

- introduction of dated references to the fourth edition of IEC 61347-1 as appropriate;

- deletion of the clauses and subclauses which are either no longer relevant or now covered in IEC 61347-1;

b) scope extension to 1 500 V for direct current;

c) scope clarification;

d) deletion of unused definitions;

e) revision of information and marking requirements;

f) revision of compliance conditions for the measurement of the output voltage during fault condition testing and during thermal testing.

Projektleder: Maria Gabriella Banck

**DS/EN IEC 61347-2-3:2024**
DKK 665,00
Identisk med IEC 61347-2-3:2024 ED3
og EN IEC 61347-2-3:2024
**Forkoblingsudstyr til elektriske lyskilder – sikkerhed – del 2-3: Særlige krav til a.c.- eller d.c.-forsynede elektroniske forkoblingsenheder til lysstoflamper**

IEC 61347-2-3:2024 is available as IEC 61347-2-3:2024 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition. IEC 61347-2-3:2024 specifies safety requirements for electronic controlgear for use on AC supplies at 50 Hz or 60 Hz up to 1 000 V or on DC supplies up to 1 000 V with lamp operating frequencies deviating from the supply frequency, associated with fluorescent lamps as specified in IEC 60081 and IEC 60901, low-pressure UV lamps, and other fluorescent lamps for high-frequency operation. This third edition cancels and replaces the second edition published in 2011 and Amendment 1:2016. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) introduction of dated references where appropriate;

b) clarification of sample item numbers;

c) alignment of clause numbers with those of IEC 61347-1.

Projektleder: Maria Gabriella Banck

## 29.160.40
**Generatoraggregater**
Generating sets

## Offentliggjorte forslag

**DSF/ISO/DIS 8528-13**
**Deadline: 2025-02-11**
Relation: ISO
Identisk med ISO/DIS 8528-13
**Generatorsæt med forbrændingsmotor – Del 13: Sikkerhed**

ISO 8528-13:2016 specifies the safety requirements for reciprocating internal combustion (RIC) engine driven generating sets up to 1 000 V consisting of an RIC engine, an alternating current (AC) generator including the additional equipment required for operating, e.g. controlgear, switchgear, auxiliary equipment.

It is applicable to generating sets for land and marine use (domestic, recreational and industrial application). It is not applicable to generating sets used on board of seagoing vessels and mobile offshore units as well as on aircraft or to propel road vehicles and locomotives.

NOTE – This part of ISO 8528 does not apply to arc welding equipment (IEC 60974 series).

The special requirements needed to cover operation in potentially explosive atmo-

spheres are not covered in this part of ISO 8528.

The hazards relevant to RIC engine driven generating sets are identified in Annex A.

ISO 8528-13:2016 deals with the special requirements of test and safety design which should be observed in addition to the definitions and requirements in ISO 8528-1, ISO 8528-2, ISO 8528-3, ISO 8528-4, ISO 8528-5 and ISO 8528-6, where applicable. It specifies safety requirements in order to protect the user from danger.

**DSF/prEN ISO 8528-13**
**Deadline: 2025-02-19**

Relation: CEN

Identisk med ISO/DIS 8528-13

og prEN ISO 8528-13

**AC-generator med forbrændingsmotor – Del 13: Sikkerhed**

ISO 8528-13:2016 specifies the safety requirements for reciprocating internal combustion (RIC) engine driven generating sets up to 1 000 V consisting of an RIC engine, an alternating current (AC) generator including the additional equipment required for operating, e.g. controlgear, switchgear, auxiliary equipment.

It is applicable to generating sets for land and marine use (domestic, recreational and industrial application). It is not applicable to generating sets used on board of seagoing vessels and mobile offshore units as well as on aircraft or to propel road vehicles and locomotives.

NOTE – This part of ISO 8528 does not apply to arc welding equipment (IEC 60974 series).

The special requirements needed to cover operation in potentially explosive atmospheres are not covered in this part of ISO 8528.

The hazards relevant to RIC engine driven generating sets are identified in Annex A.

ISO 8528-13:2016 deals with the special requirements of test and safety design which should be observed in addition to the definitions and requirements in ISO 8528-1, ISO 8528-2, ISO 8528-3, ISO 8528-4, ISO 8528-5 and ISO 8528-6, where applicable. It specifies safety requirements in order to protect the user from danger.

Projektleder: Pernille Rasmussen

## 29.240.01
**Kraftoverførings- og kraftfordelingsnet. Generelt**

Power transmission and distribution networks in general

### Nye Standarder

**DS/EN IEC 61557-13:2024**

DKK 525,00

Identisk med IEC 61557-13:2023 ED2

og EN IEC 61557-13:2024

**Elektrisk sikkerhed i lavspændingsdistributionssystemer op til 1 000 V vekselstrøm og 1 500 V jævnstrøm – Udstyr til prøvning, måling eller overvågning af beskyttelsesforanstaltninger – Del 13: Håndholdte og håndbetjente strømtænger og sensorer til måling af lækstrøm i elektriske forsyningssystemer**

IEC 61557-13:2023 defines special performance requirements for hand-held and hand manipulated current clamps and sensors for measurement of leakage currents in electrical distribution systems up to 1 000 V AC and 1 500 V DC taking into account the influence of high external low-frequency magnetic fields and other influencing quantities. See Annex A for examples of measurement applications.

This document does not apply to current clamps or sensors that are used in combination with devices for insulation fault location in accordance with IEC 61557-9, unless it is specified by the manufacturer.

IEC 61557-13:2023 cancels and replaces the first edition published in 2011. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) the term "fixing device" has been removed;

b) the measuring range was changed to a display range, the indication of DC or peak values has been added in 4.1;

c) the frequency for the test of sensitivity for low-frequency magnetic fields has been defined in 4.2;

d) the specified measuring range is now defined as the range of indicated values based on the operating uncertainty in 4.3;

e) alignment of the structure with that of the whole IEC 61557 series;

f) the variation E12 (maximum load current), may be specified according to the manufacturer's specification.

Projektleder: Pernille Rasmussen

**DS/EN IEC 61557-14:2024**

DKK 470,00

Identisk med IEC 61557-14:2023 ED2

og EN IEC 61557-14:2024

**Elektrisk sikkerhed i lavspændingsdistributionssystemer op til 1 000 V a.c. og 1 500 V d.c – Udstyr til prøvning, måling eller overvågning af beskyttelsesforanstaltninger – Del 14: Udstyr til prøvning af sikkerheden af elektrisk udstyr i maskiner**

IEC 61557-14:2023 defines special requirements for test and measurement equipment used to determine the electrical safety of electrical equipment of machinery in accordance with IEC 60204-1.

This International Standard is to be used in conjunction with IEC 61557-1:2019.

IEC 61557-14:2023 cancels and replaces the first edition published in 2013. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) clarifying the introduction;

b) replaced "dielectric strength" by "voltage test";

c) requirement for maximum output current has been added in 4.2.6.1;

d) tripping time at electrical switching activated by two-hand operation has been added in 4.2.6.1;

e) additional time limiting capability for the protection against electric shock for test persons and bystanders in 4.2.6.2;

f) updated references for safety testing;

g) alignment of the structure with that of the whole IEC 61557 series.

Projektleder: Pernille Rasmussen

## 29.240.20
**Kraftoverførings- og kraftfordelingslinjer**

Power transmission and distribution lines

### Nye Standarder

**DS/IEC TS 62818-2:2024**

DKK 575,00

Identisk med IEC TS 62818-2:2024 ED1

**Ledere til luftledninger – Fiberforstærkede kompositkerner anvendt som bæremateriale – Del 2: Metalmatrix-kompositkerner**

IEC TS 62818-2:2024 establishes a system of fiber reinforced composite cores used as supporting member material in conductors for overhead lines which may be used as the basis for specifications. This document is applicable to fiber reinforced composite core, with a metallic matrix, used as supporting member material in conductors for overhead lines.

This document gives guidance on:

- defining the common terms used for fiber reinforced composite cores with a metallic matrix,

- prescribing common methods and recommendations to characterize the properties of fiber reinforced composite cores based on single or multi-wires, with MMC (Metallic Matrix Composite) used as a supporting member material in conductors,

- prescribing or recommending acceptance or failure criteria when applicable.

These tests, criteria and recommendations are intended to ensure a satisfactory use and quality under normal operating and environmental conditions.

This document does not prescribe performance or compliance criteria which may be required but indicative values could be given in Annexes for guidance.

Projektleder: Maria Gabriella Banck

## 29.240.99
**Andet udstyr vedrørende kraftoverførings- og kraftfordelingsnet**

Other equipment related to power transmission and distribution networks

### Nye Standarder

**DS/EN 60143-2:2013/A1:2024**

DKK 320,00

Identisk med IEC 60143-2:2012/AMD1:2021 ED2

og EN 60143-2:2013/A1:2024

**Seriekondensatorer til kraftsystemer – Del 2: Beskyttelsesudstyr til seriekondensatorbatterier**

No scope available

Projektleder: Pernille Rasmussen

## 29.260.20
**Elektriske apparater til eksplosive atmosfærer**
Electrical apparatus for explosive atmospheres

### Nye Standarder

**DS/EN 60079-5:2015/A1:2024**
DKK 270,00
Identisk med IEC 60079-5:2015/AMD1:2022 ED4
og EN 60079-5:2015/A1:2024
**Eksplosive atmosfærer – Del 5: Materielbeskyttelse med sandfyldning "q"**
No scope available

Projektleder: Søren Lütken Storm

**DS/EN 60079-6:2015/A1:2024**
DKK 355,00
Identisk med IEC 60079-6:2015/AMD1:2020 ED4
og EN 60079-6:2015/A1:2024
**Eksplosive atmosfærer – Del 6: Beskyttelse af materiel med oliekapsling "o"**
IEC 60079-6:2015 specifies the requirements for the design, construction, testing and marking of Ex Equipment and Ex Components with type of protection liquid immersion "o" intended for use in explosive gas atmospheres. Ex Equipment and Ex Components of type of protection liquid immersion "o" are either:

- Level of Protection "ob" (EPL "Mb" or "Gb") or

- Level of Protection "oc" (EPL "Gc"). For Level of Protection "ob", this standard applies where the rated voltage does not exceed 11 kV r.m.s. a.c. or d.c. For Level of Protection "oc", this standard applies where the rated voltage does not exceed 15 kV r.m.s. a.c. or d.c. This standard supplements and modifies the general requirements of IEC 60079-0. Where a requirement of this standard conflicts with a requirement of IEC 60079-0, the requirement of this standard takes precedence. This fourth edition cancels and replaces the third edition, published in 2007. This edition constitutes a technical revision. The significant changes with respect to the previous edition are:

- Edition 4 represents a major technical revision of the requirements for oil immersion "o" and should be considered as introducing all new requirements. The normal "Table of Significant Changes" has not been included for this reason. In particular:

- The requirements for oil immersion "o" have been redefined into liquid immersion, levels of protection "ob" and "oc" as recommended by the responses to 31/715/DC;

- The ability to protect sparking contacts has been added to both "ob" and "oc". Additional requirements have been introduced for the protective liquid.

Keywords: Ex Equipment and Ex Components with type of protection liquid immersion "o"

Projektleder: Søren Lütken Storm

**DS/EN IEC 60079-11:2024**
DKK 1.170,00
Identisk med IEC 60079-11:2023 ED7
og EN IEC 60079-11:2024
**Eksplosive atmosfærer – Del 11: Materielbeskyttelse ifølge princip "i" om egensikkerhed**
This part of IEC 60079 specifies the construction and testing of intrinsically safe apparatus intended for use in an explosive atmosphere, and for associated apparatus which is intended for connection to intrinsically safe circuits which enter such atmospheres.

This Type of Protection is applicable to electrical equipment in which the electrical circuits themselves are incapable of causing ignition of a surrounding explosive atmosphere. This includes electrical equipment which contains circuits that are intrinsically safe only under certain conditions, for example under battery supply with mains supply removed.

This standard is also applicable to electrical equipment or parts of electrical equipment located outside the explosive atmosphere or protected by another Type of Protection listed in IEC 60079-0, where the intrinsic safety of the electrical circuits in the explosive atmosphere may depend upon the design and construction of such electrical equipment or parts of such electrical equipment. The electrical circuits exposed to the explosive atmosphere are assessed for use in such an atmosphere by applying this standard.

This standard applies to sensors connected to intrinsically safe circuits but does not apply to the protection of catalytic elements for Group IIC or Group IIB + H2.

The requirements for intrinsically safe systems are provided in IEC 60079-25.

This standard supplements and modifies the general requirements of IEC 60079-0, except as indicated in Table 1. Where a requirement of this standard conflicts with a requirement of IEC 60079-0, the requirement of this standard takes precedence.

Unless otherwise stated, the requirements in this standard are applicable to both intrinsically safe apparatus and associated apparatus, and the generic term "apparatus" is used throughout the standard.

As this standard applies only to electrical equipment, the term "equipment" used in the standard always means “electrical equipment”.

This standard applies to apparatus for use under the atmospheric conditions of IEC 60079-0 with additional requirements for for use at lower atmospheric pressures in the range from 60 kPa (0,6 bar), up to 110 kPa (1,1 bar).

[...]

Projektleder: Søren Lütken Storm

## 29.280
**Elektrisk traktionsudstyr**
Electric traction equipment

### Offentliggjorte forslag

**DSF/CLC/FprTS 50729:2024**
**Deadline: 2025-02-20**
Relation: CLC
Identisk med CLC/FprTS 50729:2024
**Jernbaner – Faste installationer og rullende materiel – Krav til grænseflade mellem infrastruktur til opladning med dertil indrettede køreledningssektioner og strømaftagere på elektriske traktionsenheder udstyret med opladeligt materiel til levering af traktionsenergi**
This document specifies interface requirements between charging infrastructure with dedicated contact line sections and electric traction units with onboard electric traction energy storages and current collectors.

The dedicated contact line section can be

– separated from other contact line systems of electrified railway lines and fed separately, or

– connected electrically and/or mechanically with contact line systems of electrified railway lines.

The charging infrastructure can be used for charging the traction units with onboard electric traction energy storages at a standstill and/or when moving.

This document covers the following aspects:

- supply voltages and frequencies,

- compatibility (e.g. avoidance of (unacceptable) unbalances) with the feeding grid (national 3 AC grid),

- interaction between the vehicle traction/charging system and the electric traction charging power supply system,

- transmitting required information towards driver and/or electric traction unit,

- contact line system,

- maximum load current,

- contact line protection principles,

- electrical safety,

- stray current protection (in case of DC electric traction power supply systems),

- protection against influence on signalling systems, and

- energy measurement and settlement.

This document applies to new charging infrastructure and/or new electric traction units with onboard electric traction energy storage.

Although this document is primarily applicable to railways it can also be partially applied to guided mass transport systems such as:

1) tramways, and

2) elevated and underground railways.

This document does not apply to charging with a plug or connector solution or inverted current collectors mounted on the infrastructure side.

This document does not apply to electric road systems with overhead contact line systems.

Projektleder: Per Velk

**DSF/EN 50152-3-1:2017/prA1**
**Deadline: 2025-02-05**
Relation: CLC
Identisk med EN 50152-3-1:2017/prA1
**Jernbaner – Faste installationer – Særlige krav til a.c.-koblingsudstyr – Del 3-1: Måle-, styre- og beskyttelsesudstyr til specifik anvendelse i a.c.-traktionssystemer – Udstyr**
Scope of standard
This European Standard is applicable to new low voltage devices for measurement, control and protection which are:
– for indoor or outdoor fixed installations in traction systems, and
– operated in conjunction with high voltage equipment with an a.c. line voltage and frequency as specified in EN 50163.
This European Standard also applies to measurement, control and protective devices other than low voltage devices and not covered by a specific railway product standard as far as reasonably possible. Requirements of this document prevail.
Scope of amendment
Implementation of 2 technical changes:
– Modification of subclause 5.4, second item in list of protection functions.
– Aligning the value for short-circuit current of 50 Hz traction systems given in Annex A subclause A.2.1 'Line testing – General' with EN 50388-1:2022 Table 7

Projektleder: Per Velk

## 31.060.10
**Faste kondensatorer**
Fixed capacitors

### Offentliggjorte forslag

**DSF/EN IEC 60384-14:2023/prA1:2024**
**Deadline: 2025-02-06**
Relation: CLC
Identisk med IEC 60384-14/AMD1 ED5
og EN IEC 60384-14:2023/prA1:2024
**Faste kondensatorer til brug i elektronisk udstyr – Del 14: Gruppespecifikation – Faste kondensatorer til dæmpning af elektromagnetisk støj og tilslutning til netforsyning**
This part of IEC 60384 applies to capacitors and resistor-capacitor combinations intended to be connected to AC mains or other supply with a nominal voltage not exceeding 1 000 V AC (RMS), and with a nominal frequency not exceeding 100 Hz. This document includes also additional specific conditions and requirements for the connection to DC supplies with a rated voltage not exceeding 1 500 V DC.
The principal object of this part of IEC 60384 is to prescribe preferred ratings and characteristics and to select, from IEC 60384-1, the appropriate quality assessment procedures, tests and measuring methods and to give general performance requirements for this type of capacitor.
Test severities and requirements prescribed in detail specifications referring to this sectional specification are of equal or higher performance level; lower performance levels are not permitted.
This document also provides a schedule of safety tests to be used by national testing stations in countries where approval by such stations is required.
The overvoltage categories in combination with the AC mains voltages for the capacitors classified in this document are to be taken from IEC 60664-1.

Projektleder: Pernille Rasmussen

## 31.060.70
**Effektkondensatorer**
Power capacitors

### Nye Standarder

**DS/EN 60143-2:2013/A1:2024**
DKK 320,00
Identisk med IEC 60143-2:2012/AMD1:2021 ED2
og EN 60143-2:2013/A1:2024
**Seriekondensatorer til kraftsystemer – Del 2: Beskyttelsesudstyr til seriekondensatorbatterier**
No scope available

Projektleder: Pernille Rasmussen

## 31.080.01
**Halvlederenheder. Generelt**
Semiconductor devices in general

### Offentliggjorte forslag

**DSF/prEN IEC 60749-23:2024**
**Deadline: 2025-02-05**
Relation: CLC
Identisk med IEC 60749-23 ED2
og prEN IEC 60749-23:2024
**Halvledere – Mekaniske og klimatiske prøvningsmetoder – Del 23: Levetid ved høje temperaturer**
This test is used to determine the effects of bias conditions and temperature on solid state devices over time. It simulates the device operating condition in an accelerated way, and is primarily for device qualification and reliability monitoring. A form of high temperature bias life using a short duration, popularly known as "burn-in", may be used to screen for infant mortality related failures. The detailed use and application of burn-in is outside the scope of this standard.

Projektleder: Pernille Rasmussen

**DSF/prEN IEC 60749-26:2024**
**Deadline: 2025-02-13**
Relation: CLC
Identisk med IEC 60749-26 ED5
og prEN IEC 60749-26:2024
**Halvledere – Mekaniske og klimatiske prøvningsmetoder – Del 26: Prøvning af følsomhed over for elektrostatiske udladninger (ESD) – Model af det menneskelige legeme (HBM)**
This part of IEC 60749 establishes the procedure for testing, evaluating, and classifying components and microcircuits according to their susceptibility (sensitivity) to damage or degradation by exposure to a defined human body model (HBM) electrostatic discharge (ESD).
The purpose of this document is to establish a test method that will replicate HBM failures and provide reliable, repeatable HBM ESD test results from tester to tester, regardless of component type. Repeatable data will allow accurate classifications and comparisons of HBM ESD sensitivity levels.
ESD testing of semiconductor devices is selected from this test method, the machine model
(MM) test method (see IEC 60749-27) or other ESD test methods in the IEC 60749 series.
Unless otherwise specified, this test method is the one selected.

Projektleder: Pernille Rasmussen

## 31.080.99
**Andre halvledende anordninger**
Other semiconductor devices

### Nye Standarder

**DS/EN IEC 60747-15:2024**
DKK 810,00
Identisk med IEC 60747-15:2024 ED3
og EN IEC 60747-15:2024
**Halvledere – Del 15: Diskrete halvledere – Isolerede effekthalvledere**
IEC 60747-15:2024 gives the requirements for isolated power semiconductor devices. These requirements are additional to those given in other parts of IEC 60747 for the corresponding non-isolated power devices and parts of IEC 60748 for ICs. This third edition includes the following significant technical changes with respect to the previous edition:
a) The intelligent power semiconductor modules (IPM), which was previously excluded from the first and second edition, is now included in this document (Annex C);
b) The thermal resistance is described for each switch (6.2.4);
c) Added isolation test between temperature sensor and terminals, in case there is an agreement with the user (6.1.2).

Projektleder: Pernille Rasmussen

## 31.120
**Elektroniske lyspanelanordninger**
Electronic display devices

### Nye Standarder

**DS/IEC 62715-6-23:2024**
DKK 355,00
Identisk med IEC 62715-6-23:2024 ED1
**Fleksible display – Del 6-23: Mekaniske prøvningsmetoder – Prøvning af mekanisk slid som følge af skæv foldning**
IEC 62715-6-23:2024 specifies the standard measuring methods to evaluate the mechanical durability of foldable display modules, especially mechanical durability under the condition reflecting the actual usage environment.

Projektleder: Marika Vindbjerg

## 31.180
**Trykte kredse og printplader**
Printed circuits and boards

### Nye Standarder

**DS/EN IEC 60947-4-3:2024**
DKK 955,00
Identisk med IEC 60947-4-3:2020 ED3
og EN IEC 60947-4-3:2024
**Lavspændingskoblingsudstyr – Del 4-3: Kontaktorer og motorstartere – Halvlederstyringer og halvlederkontaktorer til ikke-motorbelastninger**
IEC 60947-4-3:2020(E) applies to semiconductor controllers and semiconductor contactors for non-motor load intended to be connected to circuits, the rated voltage of which does not exceed 1 000 V AC.

It covers their use:

– for operations of changing the state of AC electric circuits between the ON-state and the OFF-state;

– with or without bypass switching devices;

– as controller, for reducing the amplitude of the RMS AC voltage.

This third edition cancels and replaces the second edition published in 2014. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) scope exclusions;

b) editorial correction of notes and hanging paragraphs;

c) safety aspects related to:

- general aspects;

- limited energy circuits;

- electronic circuits;

d) mention of dedicated wiring accessories;

e) power consumption measurement;

f) alignment to IEC 60947-1:2020;

g) alignment with IEC 60947-4-2 when appropriate.

Projektleder: Henning Nielsen

## 31.220.10
**Stik og stikanordninger. Konnektorer**
Plug-and-socket devices. Connectors

### Nye Standarder

**DS/EN IEC 63171-5:2022**
DKK 665,00
Identisk med IEC 63171-5:2022 ED1
og EN IEC 63171-5:2022
**Konnektorer til elektrisk og elektronisk udstyr – Produktkrav – Del 5: Detailspecifikation for runde M8- og M12-tovejskonnektorer, skærmede og uskærmede, frie og faste – Information om mekanisk kobling, stikforbindelser og yderligere krav til type 5**
IEC 63171-5:2022 refers to International Standards for test and measurement, environmental testing as well as solderless connections. This part of IEC 63171 describes 2-way shielded or unshielded circular connectors with IP65/IP67 M8 or M12 locking, typically used for balanced single-pair data transmission with frequencies up to 600 MHz and with current-carrying capacity up to 4 A, for use in areas with harsh environmental conditions. These connectors consist of fixed and free connectors, either rewirable or non-rewirable. Male connectors have square cross-section contacts.

The content of the corrigendum 1 (2024-11) has been included in this copy.

Projektleder: Maria Gabriella Banck

**DS/EN IEC 63171-5:2022/AC:2024-11**
DKK 200,00
Identisk med IEC 63171-5:2022/COR1:2024 ED1
og EN IEC 63171-5:2022/AC:2024-11
**Konnektorer til elektrisk og elektronisk udstyr – Produktkrav – Del 5: Detailspecifikation for runde M8- og M12-tovejskonnektorer, skærmede og uskærmede, frie og faste – Information om mekanisk kobling, stikforbindelser og yderligere krav til type 5**
IEC 63171-5:2022 refers to International Standards for test and measurement, environmental testing as well as solderless connections. This part of IEC 63171 describes 2-way shielded or unshielded circular connectors with IP65/IP67 M8 or M12 locking, typically used for balanced single-pair data transmission with frequencies up to 600 MHz and with current-carrying capacity up to 4 A, for use in areas with harsh environmental conditions. These connectors consist of fixed and free connectors, either rewirable or non-rewirable. Male connectors have square cross-section contacts.

The content of the corrigendum 1 (2024-11) has been included in this copy.

Projektleder: Maria Gabriella Banck

## 31.260
**Optoelektronik. Laserudstyr**
Optoelectronics. Laser equipment

### Nye Standarder

**DS/EN IEC 60825-4:2024**
DKK 880,00
Identisk med IEC 60825-4:2022 ED3
og EN IEC 60825-4:2024
**Laserprodukters sikkerhed – Del 4: Laserskærme**
IEC 60825-4:2022 is available as IEC 60825-4:2022 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.

IEC 60825-4:2022 deals with basic issues concerning laser guards, including human access, interlocking and labelling, and gives general guidance on the design of protective housings and enclosures for high-power lasers. Laser guards may also comply with standards for laser protective eyewear, but such compliance is not necessarily sufficient to satisfy the requirements of this document. This part of IEC 60825 specifies the requirements for laser guards, permanent and temporary (for example for service), that enclose the process zone of a laser processing machine, and specifications for proprietary laser guards. This document applies to all component parts of a guard including clear (visibly transmitting) screens and viewing windows, panels, laser curtains and walls. In addition, this document indicates

- how to assess and specify the protective properties of a laser guard, and

- how to select a laser guard.

Projektleder: Marika Vindbjerg

**DS/EN ISO 13695:2024**
DKK 575,00
Identisk med ISO 13695:2004
og EN ISO 13695:2024
**Øjenoptik og fotonik – Lasere og laserrelateret udstyr – Metoder til prøvning af laseres spektrale karakteristika**
This document specifies methods by which the spectral characteristics such as wavelength, bandwidth, spectral distribution and wavelength stability of a laser beam can be measured. This document is applicable to both continuous wave (cw) and pulsed laser beams. The dependence of the spectral characteristics of a laser on its operating conditions may also be important.

Projektleder: Pernille Rasmussen

**DS/EN ISO 14880-2:2024**
DKK 665,00
Identisk med ISO 14880-2:2024
og EN ISO 14880-2:2024
**Optik og fotonik – Integreret optik – Del 2: Prøvningsmetoder for bølgeafvigelser**
This document specifies methods for testing wavefront aberrations for microlenses within microlens arrays. It is applicable to microlens arrays with very small lenses formed inside or on one or more surfaces of a common substrate.

Projektleder: Pernille Rasmussen

**DS/IEC 62715-6-23:2024**
DKK 355,00
Identisk med IEC 62715-6-23:2024 ED1
**Fleksible display – Del 6-23: Mekaniske prøvningsmetoder – Prøvning af mekanisk slid som følge af skæv foldning**
IEC 62715-6-23:2024 specifies the standard measuring methods to evaluate the mechanical durability of foldable display modules, especially mechanical durability under the condition reflecting the actual usage environment.

Projektleder: Marika Vindbjerg

**DS/ISO 13695:2024**
DKK 575,00
Identisk med ISO 13695:2024
**Øjenoptik og fotonik – Lasere og laserrelateret udstyr – Metoder til prøvning af laseres spektrale karakteristika**
This document specifies methods by which the spectral characteristics such as wavelength, bandwidth, spectral distribution and wavelength stability of a laser beam can be measured. This document is applicable to both continuous wave (cw) and pulsed laser beams. The dependence of the spectral characteristics of a laser on its operating conditions may also be important.

Projektleder: Nina Kjar

**DS/ISO 14880-2:2024**
DKK 575,00
Identisk med ISO 14880-2:2024
**Optik og fotonik – Integreret optik – Del 2: Prøvningsmetoder for bølgeafvigelser**
This document specifies methods for testing wavefront aberrations for microlenses within microlens arrays. It is applicable to microlens arrays with very small lenses formed inside or on one or more surfaces of a common substrate.

Projektleder: Nina Kjar

## 33.060.30
**Radiokæde- og faste satellitkommunikationssystemer**
Radio relay and fixed satellite communications systems

### Nye Standarder

**DS/ETSI EN 301 893 V2.2.1:2024**
DKK 155,00
Identisk med ETSI EN 301 893 V2.2.1 (2024-11)
**5 GHz WAS-RLAN – Harmoniseret Standard for radiospekteraccess**
The present document specifies technical characteristics and methods of measurement for Wireless Access Systems
(WAS) including Radio Local Area Network (RLAN) equipment operating in the 5 GHz RLAN band.
The present document specifies spectrum access requirements to facilitate spectrum sharing with other equipment.
Radio equipment capable of operating in all or parts of the service frequency bands given in table 1 is within the scope of the present document.
Table 1: Service frequency bands
Sub-band 1 Sub-band 2 Sub-band 3
Transmit 5 150 MHz to 5 250 MHz 5 250 MHz to 5 350 MHz 5 470 MHz to 5 725 MHz
Receive 5 150 MHz to 5 250 MHz 5 250 MHz to 5 350 MHz 5 470 MHz to 5 725 MHz
Provisions for radio equipment capable of operating in all or parts of the 5 725 MHz to 5 850 MHz frequency band
(sub-band 4 as given in table B.1) are contained in annex B. However, operation in sub-band 4 is subject to national frequency usage conditions. The present document also contains provisions for equipment operating on channels whose nominal channel bandwidth falls partly in sub-band 3 and partly in sub-band 4.
NOTE 1: The technical requirements for equipment operating in the service frequency bands identified in table 1
are contained in the main part of the present document (see clause 4) while the technical requirements for equipment operating in the service frequency band identified in table B.1 are contained in annex B.
NOTE 2: The relationship between the present document and essential requirements of article 3.2 of Directive
2014/53/EU [i.1] is given in annex A.

Projektleder: Marika Vindbjerg

## 33.070.40
**Satellit**
Satellite

### Nye Standarder

**DS/EN 16605:2024**
DKK 955,00
Identisk med EN 16605:2024
**Rumfart – Galileo Timing Receiver – Funktions- og ydeevnekrav og tilhørende prøvninger**
This document is intended to stablish and define functional and performance requirements and associated tests for Galileo Timing Receivers. This document covers the following topics related to Galileo Timing Receivers:
- GNSS constellations and frequencies processed: Galileo plus additionally GPS, with nominal mode being dual-frequency processing,
- Time scales processed, including at least Galileo System Time and Universal Time Coordinate,
- User dynamics, with two operation modes: static users with well-known and static antenna position and dynamics users with moving antenna,
- Holdover devices,
- Nominal and back-up modes, including single-frequency modes, single-constellation modes and holdover mode.
- Processing of timing integrity information disseminated by the Galileo System,
- Time Receiver Autonomous Integrity Monitoring processing,
- Anti-jamming and anti-spoofing capabilities, including Automatic Gain Control monitoring and Galileo Open Service Navigation Message Authentication processing,
- Robustness to multipath.
In addition, this document gives guidelines for the installation and maintenance of the receiver, including antenna, cabling and receiver installation, initial and periodic receiver calibration, and periodic maintenance.
On top of the functional requirements, performance requirements this document defines in terms of different key performance indicators such as:
- Accuracy, availability, continuity and integrity requirements,
- T-RAIM performances, including time to alert,
- Holdover performances including maximum degradation of the timing solution with time and maximum holdover time,
This document also gives a simple test suite to verify the most fundamental requirements of the Galileo Timing Receivers.

Projektleder: Pernille Rasmussen

## 33.180.10
**Fibre og kabler**
Fibres and cables

### Offentliggjorte forslag

**DSF/prEN IEC 60794-1-130:2024**
**Deadline: 2025-02-06**
Relation: CLC
Identisk med IEC 60794-1-130 ED1
og prEN IEC 60794-1-130:2024
**Fiberoptisk kabler – Del 1-130: Generisk specifikation – Fiberoptiske kabler – Generisk specifikation – Grundlæggende prøvningsprocedurer for optiske kabler – Mekaniske prøvningsprocedurer – Dynamisk friktionskoefficient mellem kabler, E30-metoder**
This part of IEC 60794 describes test procedures to evaluate the coefficient of dynamic friction of the sheathing material of the sheathing material of the cable when pulled over or between the other same type cables. Method E30A or E30B evaluates the coefficient of friction when a cable is pulled over the other cables (drum test) or when pulling a cable between the other cables (flat plate test).
This document applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors.
Throughout the document, the wording "optical cable" can also include optical fibre units, microduct fibre units.

Projektleder: Maria Gabriella Banck

## 33.200
**Telekontrol. Telemåling**
Telecontrol. Telemetering

### Nye Standarder

**DS/IEC TR 61850-7-6:2024**
DKK 1.085,00
Identisk med IEC TR 61850-7-6:2024 ED2
**Kommunikationsnetværk og -systemer til elforsyningsautomation – Del 7-6: Vejledning om definition af grundlæggende applikationsprofiler (BAP'er) ved hjælp af IEC 61850**
IEC TR 61850-7-6:2024, which is a Technical Report, is focused on building application / function profiles and specifies a methodology to define Basic Application Profiles (BAPs), in textual documents (edition 1, 2019) or in a machine processable SCL format (current edition). These Basic Application Profiles provide a framework for interoperable interaction within or between typical substation automation functions. BAPs are intended to define a subset of features of IEC 61850 in order to facilitate interoperability in a modular way in practical applications.
It is the intention of this document to provide a common and generic way to describe the functional behavior of a specific application function in the domain of power utility automation systems as a common denominator of various possible

interpretations/implementations of using IEC 61850.

The guidelines in this document are based on the functional definitions of:

• IEC 61850-5, Communication requirements for functions and device models, which gives a comprehensive overview of all application functions needed in a state-of-the-art substation automation implementation.

• IEC TR 61850-7-500, Basic information and communication structure – Use of logical nodes for modelling application functions and related concepts and guidelines for substations, which illustrates and explains application functions for the substation/protection domain of Logical Nodes in modelling simple and complex functions, to improve common understanding in modelling and data exchange, and finally to lead to interoperable implementations.

• IEC TR 61850-90-3, Using IEC 61850 for condition monitoring diagnosis and analysis, which gives use cases and data modelling for condition monitoring diagnosis and analysis functions for substation and power grid facilities.

• IEC TR 61850-90-30, IEC 61850 Function Modelling in SCL, which describes extensions of the SCL Substation/Process Section allowing to create a comprehensive, IED and hardware independent specification of an IEC 61850 based power system.

This document does not describe the applications and respective implementation requirements; the focus is on their typical information exchange including data and communication services and engineering conventions.

This second edition cancels and replaces the first edition published in 2019. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) New Clause 5 added to describe the way to express Basic Application Profile in SCL files;

b) New Annex F and Annex G added to list specific use cases and roles of the Concept Definition Tool.

Projektleder: Henning Nielsen

## 35.020
**Informationsteknologi (IT). Generelt**
Information technology (IT) in general

### Offentliggjorte forslag

**DSF/ISO/IEC 19086-1:2016/DAmd 1**
**Deadline: 2025-02-10**
Relation: ISO
Identisk med ISO/IEC 19086-1:2016/DAmd 1
**Informationsteknologi – Cloudcomputing – Rammer for serviceleveranceaftale (SLA) – Del 1: Oversigt og begreber – Tillæg 1**
ISO/IEC 19086-1:2016 seeks to establish a set of common cloud SLA building blocks (concepts, terms, definitions, contexts) that can be used to create cloud Service Level Agreements (SLAs).

This document specifies a) an overview of cloud SLAs,

b) identification of the relationship between the cloud service agreement and the cloud SLA,

c) concepts that can be used to build cloud SLAs, and d) terms commonly used in cloud SLAs.

ISO/IEC 19086-1:2016 is for the benefit and use of both cloud service providers and cloud service customers. The aim is to avoid confusion and facilitate a common understanding between cloud service providers and cloud service customers. Cloud service agreements and their associated cloud SLAs vary between cloud service providers, and in some cases different cloud service customers can negotiate different contract terms with the same cloud service provider for the same cloud service. This document aims to assist cloud service customers when they compare cloud services from different cloud service providers.

ISO/IEC 19086-1:2016 does not provide a standard structure that can be used for a cloud SLA or a standard set of cloud service level objectives (SLOs) and cloud service qualitative objectives (SQOs) that will apply to all cloud services or all cloud service providers. This approach provides flexibility for cloud service providers in tailoring their cloud SLAs to the particular characteristics of the offered cloud services.

ISO/IEC 19086-1:2016 does not supersede any legal requirement.

Projektleder: Berit Aadal

## 35.030
**IT-sikkerhed**
IT Security

### Offentliggjorte forslag

**DSF/ISO/IEC DIS 19896-3**
**Deadline: 2025-02-14**
Relation: ISO
Identisk med ISO/IEC DIS 19896-3
**Informationssikkerhed, cybersikkerhed og privatlivsbeskyttelse – Krav til kompetencer hos personalet i organer, der foretager overensstemmelsesvurdering af IT-sikkerhed – Del 3: Krav til viden og færdigheder hos testere og validatorer af ISO/IEC 15408**
This document provides the specialized requirements to demonstrate the competence of individuals in performing IT product security evaluations and certifications in accordance with the ISO/IEC 15408 series and ISO/IEC 18045.

Projektleder: Berit Aadal

**DSF/ISO/IEC DIS 27017**
**Deadline: 2025-01-21**
Relation: ISO
Identisk med ISO/IEC DIS 27017
**Informationssikkerhed, cybersikkerhed og privatlivsbeskyttelse – Informationssikkerhedsforanstaltninger baseret på ISO/IEC 27002 for cloudtjenester**
ISO/IEC 27017:2015 gives guidelines for information security controls applicable to the provision and use of cloud services by providing:

- additional implementation guidance for relevant controls specified in ISO/IEC 27002;
- additional controls with implementation guidance that specifically relate to cloud services.

This Recommendation | International Standard provides controls and implementation guidance for both cloud service providers and cloud service customers.

Projektleder: Berit Aadal

**DSF/ISO/IEC DIS 27404**
**Deadline: 2025-02-15**
Relation: ISO
Identisk med ISO/IEC DIS 27404
**Cybersikkerhed – Sikkerhed og privatlivsbeskyttelse i relation til IoT – Mærkningsordning for cybersikkerhed i relation til forbruger-IoT**
This document defines a Universal Cybersecurity Labelling Framework for the development and implementation of cybersecurity labelling programmes for consumer IoT products and includes guidance on the following topics:

• Risks and threats associated with consumer IoT products;

• Stakeholders, roles and responsibilities;

• Relevant standards and guidance documents;

• Conformity assessment options;

• Labelling issuance and maintenance requirements; and

• Mutual recognition considerations.

The scope of this document is limited to consumer IoT products, such as IoT gateways, base stations and hubs to which multiple devices connect; smart cameras, televisions, and speakers; wearable health trackers; connected smoke detectors, door locks and window sensors; connected home automation and alarm systems, especially their gateways and hubs; connected appliances, such as washing machines and fridges; smart home assistants; and connected children's toys and baby monitors.

The Universal Cybersecurity Labelling Framework addresses the expected and intended use of IoT devices and systems by consumers, that is, the general public and non-technical users. These devices and systems are used with the understanding that the label and criteria are designed for consumer use and consumer security concerns. Safety is not addressed in this Universal Cybersecurity Labelling Framework even though it is an important aspect to consider. Consumer IoT devices used in an enterprise context may not be classified as consumer IoT devices due to potentially more serious implications if compromised, which then entails more stringent cybersecurity provisions. Furthermore, in threat models of consumer IoT, there is no IT/system administrator as a pre-condition.

Products that are not intended for consumer use are excluded from this standard. Examples of excluded devices are those that are primarily intended for manufacturing, healthcare and other industrial purposes.

The Universal Cybersecurity Labelling Framework is based on requirements from international standards, with objectives to facilitate mutual recognition of labelling schemes for consumer IoT (regardless if

they are binary or multi-level), avoid fragmentation of standards, eradicate duplicated testing (across countries), reduce the cost of compliance and facilitate market access for developers.

This document is applicable to consumers, developers, issuing bodies of cybersecurity labels and independent test laboratories.

Projektleder: Berit Aadal

**DSF/ISO/IEC DIS 27565**
**Deadline: 2025-02-16**

Relation: ISO

Identisk med ISO/IEC DIS 27565

**Informationssikkerhed, cybersikkerhed og privatlivsbeskyttelse – Retningslinjer for bevarelse af privatliv ved hjælp af ZKP (zero knowledge proof)**

This document provides guidelines on using zero knowledge proofs (ZKP) to improve privacy by reducing the risks associated with the sharing or transmission of personal data between organisations and users by minimizing the information shared. It will include several ZKP

functional requirements relevant to a range of different business use cases, then describes how different ZKP models can be used to meet those functional requirements securely.

Projektleder: Berit Aadal

**DSF/ISO/IEC DIS 27566-1**
**Deadline: 2025-02-19**

Relation: ISO

Identisk med ISO/IEC DIS 27566-1

**Informationsteknologi, cybersikkerhed og privatlivsbeskyttelse – Systemer til alderskontrol – Del 1: Rammer**

This document establishes core principles, including privacy and security, for the purpose of enabling age-related eligibility decisions.

Projektleder: Berit Aadal

**DSF/ISO/IEC DIS 29151**
**Deadline: 2025-02-16**

Relation: ISO

Identisk med ISO/IEC DIS 29151

**Informationssikkerhed, cybersikkerhed og privatlivsbeskyttelse – Foranstaltninger og vejledning til beskyttelse af personoplysninger**

ISO/IEC 29151:2017 establishes control objectives, controls and guidelines for implementing controls, to meet the requirements identified by a risk and impact assessment related to the protection of personally identifiable information (PII).

In particular, this Recommendation | International Standard specifies guidelines based on ISO/IEC 27002, taking into consideration the requirements for processing PII that may be applicable within the context of an organization's information security risk environment(s).

ISO/IEC 29151:2017 is applicable to all types and sizes of organizations acting as PII controllers (as defined in ISO/IEC 29100), including public and private companies, government entities and not-for-profit organizations that process PII.

Projektleder: Berit Aadal

## 35.040.50
**Teknikker til automatisk identifikation og datafangst**

Automatic identification and data capture techniques

### Offentliggjorte forslag

**DSF/ISO/IEC DIS 19583-26**
**Deadline: 2025-02-19**

Relation: ISO

Identisk med ISO/IEC DIS 19583-26

**Informationsteknologi – Begreber og brug af metadata – Del 26: XML til fremstilling af ISO/IEC 11179-3:2013-indhold**

Standard W3C XML Schema for exchanging content between ISO/IEC11179-3:2013 metadata registries

Projektleder: Tomas Lundstrøm

**DSF/ISO/IEC DTR 19583-21**
**Deadline: 2025-01-10**

Relation: ISO

Identisk med ISO/IEC DTR 19583-21

**Informationsteknologi – Begreber og brug af metadata – Del 21: Datamodel i SQL baseret på 11179-3, -3, -32**

This document provides a possible instantiation of the registry metamodel specified in ISO/IEC 11179 Metamodel for registry common facilities, 11179-31 Metamodel for data specification registration, and 11179-32 Metamodel for concept system registration.

Projektleder: Tomas Lundstrøm

**DSF/ISO/IEC DTR 19583-24**
**Deadline: 2025-01-25**

Relation: ISO

Identisk med ISO/IEC DTR 19583-24

**Informationsteknologi – Begreber og brug af metadata – Del 24: Metamodel i RDF i henhold til 11179-3:2013**

This document specifies the structure of ISO/IEC 11179-3:2013. It defines a mapping of the

ISO/IEC 11179-3:2013 conceptual model to a formal schema representation based on the W3C Resource

Description Framework (RDF). The schema is available as a separate artefact. This document specifies the principles and conventions that were followed to map classes, attributes, and associations of the conceptual model to a formal RDF schema.

This document does not provide detailed explanatory details about the ISO/IEC 11179 series or RDF. For more information, refer to References [7] to [9].

Projektleder: Tomas Lundstrøm

## 35.060
**Sprog anvendt inden for informationsteknologien**

Languages used in information technology

### Offentliggjorte forslag

**DSF/ISO/IEC DTR 19583-21**
**Deadline: 2025-01-10**

Relation: ISO

Identisk med ISO/IEC DTR 19583-21

**Informationsteknologi – Begreber og brug af metadata – Del 21: Datamodel i SQL baseret på 11179-3, -3, -32**

This document provides a possible instantiation of the registry metamodel specified in ISO/IEC 11179 Metamodel for registry common facilities, 11179-31 Metamodel for data specification registration, and 11179-32 Metamodel for concept system registration.

Projektleder: Tomas Lundstrøm

**DSF/ISO/IEC DTS 18661-4**
**Deadline: 2025-01-25**

Relation: ISO

Identisk med ISO/IEC DTS 18661-4

**Programmeringssprog, miljøer for disse og grænseflader for systemsoftware – Udvidelser med flydende komma til programmeringssproget C – Del 4: Supplerende funktioner**

ISO/IEC TS 18661-4:2015 extends programming language C to include functions specified and recommended in ISO/IEC/IEEE 60559:2011.

Projektleder: Tomas Lundstrøm

**DSF/ISO/IEC DTS 18661-5**
**Deadline: 2025-01-25**

Relation: ISO

Identisk med ISO/IEC DTS 18661-5

**Programmeringssprog, miljøer for disse og grænseflader for systemsoftware – Udvidelser med flydende komma til programmeringssproget C – Del 4: Supplerende attributter**

ISO/IEC TS 18661-5:2016 extends programming language C to include support for attributes specified and recommended in ISO/IEC/IEEE 60559:2011.

Projektleder: Tomas Lundstrøm

**DSF/ISO/IEC DTS 6010**
**Deadline: 2025-02-01**

Relation: ISO

Identisk med ISO/IEC DTS 6010

**Programmeringssprog – C – En hukommelsesobjektmodel til C, som er opmærksom på oprindelse**

This document specifies the form and establishes the interpretation of programs written in the C programming language. It is not a complete specification of that language but builds upon ISO/IEC 9899:2018 by constraining and clarifying the Memory Object

Model.

Projektleder: Tomas Lundstrøm

## 35.080
**Software**
Software

### Offentliggjorte forslag

**DSF/ISO/IEC DTS 33062**
**Deadline: 2025-02-01**
Relation: ISO
Identisk med ISO/IEC DTS 33062
**Informationsteknologi – Procesvurdering – Procesvurderingsmodel til kvantitative processer til at understøtte højere niveauer af proceskapabilitet**
This document defines a process assessment model for quantitative processes, conformant with the requirements of ISO/IEC 33004, for use in performing a conformant assessment in accordance with the requirements of ISO/IEC 33002.

Projektleder: Tomas Lundstrøm

## 35.200
**Interface- og forbindelsesudstyr**
Interface and interconnection equipment

### Nye Standarder

**DS/ISO/IEC 15045-3-1:2024**
DKK 665,00
Identisk med ISO/IEC 15045-3-1:2024 ED1
**Informationsteknologi – Gateway til elektroniske systemer til boligen (HES) – Del 3-1: Privatliv, cybersikkerhed og sikkerhed – Introduktion**
ISO/IEC 15045-3-1:2024 describes the series of privacy, security, and safety standards to support the HES Gateway and attached devices. The purpose is to specify methods for protecting home and building systems from both internal and external threats, intrusions, or unintended observation of data and unsafe conditions that could result from network functions. Part 3 defines a set of basic and advanced requirements for gateway monitoring and control of both inbound and outbound traffic, including switching/routing, addressing, encryption, intrusion detection and prevention, and other "firewall" functions.
The Part 3 requirements specify the following functions:
1) prevention of active inbound attacks and unsafe commands,
2) discovery and classification of outbound traffic,
3) interoperability of premises internal network traffic,
4) management of privacy and security mechanisms, and
5) provision for a management and reporting dashboard for use by the non-technical end-user.
This standard describes the inter-relationships between privacy, security, and safety.

Projektleder: Maria Gabriella Banck

## 35.210
**Cloud computing**
Cloud computing

### Offentliggjorte forslag

**DSF/ISO/IEC 19086-2:2018/DAmd 2**
**Deadline: 2025-02-10**
Relation: ISO
Identisk med ISO/IEC 19086-2:2018/DAmd 2
**Cloudcomputing – Rammer for serviceleveranceaftale (SLA) – Del 2: Metrisk model – Tillæg 2**
This document establishes common terminology, defines a model for specifying metrics for cloud SLAs, and includes applications of the model with examples. This document establishes a common terminology and approach for specifying metrics.
This document is for the benefit of and use for both cloud service providers (CSPs) and cloud service customers (CSCs). This document is intended to complement ISO/IEC 19086-1, ISO/IEC 19086-3 and ISO/IEC 19086-4.
This document does not mandate the use of a specific set of metrics for cloud SLAs.

Projektleder: Berit Aadal

**DSF/ISO/IEC 19086-3:2017/DAmd 1**
**Deadline: 2025-02-10**
Relation: ISO
Identisk med ISO/IEC 19086-3:2017/DAmd 1
**Informationsteknologi – Cloudcomputing – Rammer for serviceleveranceaftale (SLA) – Del 3: Overensstemmelsesrelaterede kernekrav – Tillæg 1**
ISO/IEC 19086-3:2017 specifies the core conformance requirements for service level agreements (SLAs) for cloud services based on ISO/IEC 19086‑1 and guidance on the core conformance requirements. This document is for the benefit of and use by both cloud service providers and cloud service customers.
ISO/IEC 19086-3:2017 does not provide a standard structure that would be used for cloud SLAs.

Projektleder: Berit Aadal

## 35.240.15
**Identifikationskort. Chipkort. Biometri**
Identification cards and related devices. Chip cards. Biometrics

### Nye Standarder

**DS/CEN/TS 17489-2:2024**
DKK 470,00
Identisk med CEN/TS 17489-2:2024
**Sikre og interoperable europæiske legitimationsdokumenter – Del 2: Datamodel**
This document specifies the abstract data model for breeder document data and the specific encodings of this abstract data model used in the CEN breeder document framework.
The abstract data model is a semantic description of the birth, marriage / partnership, and death certificate data, independently from their specific encoding.
This abstract data model is extensible for further standardized and proprietary data of birth, marriage / partnership, and death certificates as well as for other types of breeder documents.
This abstract data model is technology agnostic, i.e. it is applicable for paper-based, server-based, and hardware-based breeder documents as well as further breeder document designs and technologies.
The specific encodings of this abstract data model comprise the encodings to be used for the machine readable technologies specified in part 3 of the framework as well as the encoding of human readable breeder document data. These encodings are used in the birth, marriage / partnership, and death certificate profiles specified in part 4 of the framework.

Projektleder: Berit Aadal

**DS/ISO/IEC TR 24722:2024**
DKK 525,00
Identisk med ISO/IEC TR 24722:2024
**Informationsteknologi – Biometri – Multimodal og anden multibiometrisk fusion**
This document provides descriptions and analyses of current practices on multimodal and other multibiometric fusion, including (as appropriate) references to more detailed descriptions.
This document contains descriptions and explanations of high-level multibiometric concepts to aid in the explanation of multibiometric fusion approaches including: multi-characteristic-type, multi-instance, multi-sensorial, multialgorithmic, decision-level and score-level logic.

Projektleder: Berit Aadal

**DS/ISO/IEC TS 22604:2024**
DKK 470,00
Identisk med ISO/IEC TS 22604:2024
**Informationsteknologi – Biometrisk genkendelse af motiver i bevægelse i adgangsrelaterede systemer**
This document establishes requirements for the development of biometric solutions for verification and identification processes for secure access without physical contact with any device at any time. The solutions acquire biometric characteristics that are captured while the data subjects are in motion to verify or identify the individuals requiring access, thus controlling access using contactless biometrics.

Projektleder: Berit Aadal

## 35.240.30
**Anvendelse af IT til information, dokumentation og udgivelse**

IT applications in information, documentation and publishing

### Offentliggjorte forslag

**DSF/ISO/DIS 19005-4**
**Deadline: 2025-02-17**

Relation: ISO

Identisk med ISO/DIS 19005-4

**Dokumentstyring – Elektronisk dokumentfilformat til langtidsopbevaring – Del 4: Anvendelse af ISO 32000-2 (PDF/A-4)**

This document specifies the use of the Portable Document Format (PDF) 2.0, as formalized in ISO 32000-2:–, for preserving the static visual representation of page based electronic documents over time in addition to allowing any type of other content to be included as an embedded file or attachment.

This document does not apply to:

– specific processes for converting paper or electronic documents to the PDF/A format;

– specific technical design, user interface, implementation, or operational details of rendering;

– specific physical methods of storing these documents such as media and storage conditions;

– required computer hardware and/or operating systems.

Projektleder: Berit Aadal

## 35.240.40
**Anvendelse af IT inden for bankverdenen**

IT applications in banking

### Offentliggjorte forslag

**DSF/ISO/DIS 20038.2**
**Deadline: 2025-01-30**

Relation: ISO

Identisk med ISO/DIS 20038.2

**Bankvæsen og relaterede finansielle ydelser – Kryptering af symmetrisk nøgle med AES**

ISO 20038:2017 defines a method for packaging cryptographic keys for transport. This method can also be used for the storage of keys under an AES key. The method uses the block cipher AES as the wrapping cipher algorithm.

Other methods for wrapping keys are outside the scope of this document but can use the authenticated encryption algorithms specified in ISO/IEC 19772.

Projektleder: Maria Gabriella Banck

## 35.240.50
**Anvendelse af IT i industrien**

IT applications in industry

### Offentliggjorte forslag

**DSF/CLC/FprTS 50729:2024**
**Deadline: 2025-02-20**

Relation: CLC

Identisk med CLC/FprTS 50729:2024

**Jernbaner – Faste installationer og rullende materiel – Krav til grænseflade mellem infrastruktur til opladning med dertil indrettede køreledningssektioner og strømaftagere på elektriske traktionsenheder udstyret med opladeligt materiel til levering af traktionsenergi**

This document specifies interface requirements between charging infrastructure with dedicated contact line sections and electric traction units with onboard electric traction energy storages and current collectors.

The dedicated contact line section can be

– separated from other contact line systems of electrified railway lines and fed separately, or

– connected electrically and/or mechanically with contact line systems of electrified railway lines.

The charging infrastructure can be used for charging the traction units with onboard electric traction energy storages at a standstill and/or when moving.

This document covers the following aspects:

- supply voltages and frequencies,
- compatibility (e.g. avoidance of (unacceptable) unbalances) with the feeding grid (national 3 AC grid),
- interaction between the vehicle traction/charging system and the electric traction charging power supply system,
- transmitting required information towards driver and/or electric traction unit,
- contact line system,
- maximum load current,
- contact line protection principles,
- electrical safety,
- stray current protection (in case of DC electric traction power supply systems),
- protection against influence on signalling systems, and
- energy measurement and settlement.

This document applies to new charging infrastructure and/or new electric traction units with onboard electric traction energy storage.

Although this document is primarily applicable to railways it can also be partially applied to guided mass transport systems such as:

1) tramways, and

2) elevated and underground railways.

This document does not apply to charging with a plug or connector solution or inverted current collectors mounted on the infrastructure side.

This document does not apply to electric road systems with overhead contact line systems.

Projektleder: Per Velk

## 35.240.60
**Anvendelse af IT inden for transport og handel**

IT applications in transport and trade

### Offentliggjorte forslag

**DSF/CLC/FprTR 50542-1**
**Deadline: 2025-02-20**

Relation: CLC

Identisk med CLC/FprTR 50542-1

**Jernbaner – Styreenhed til display i førerbord (TDC) – Del 1: Generel arkitektur struktur**

In accordance with the ERTMS/ETCS specifications (mainly Subset 026 and ERA_ERTMS_015560 document), UIC 612 leaflet, EN 50126 (series), EN 16186 (series) and EN 61375 (series) requirements, this Technical Report describes the Train Display System (TDS) in the driver's cab which comprises the Train Display Controller (TDC) and the following six interfaces:

- Interface with Command Control Display (CCD),
- Interface with Train Radio Display (TRD),
- Interface with Electronic Timetable Display (ETD),
- Interface with Technical and Diagnostic Display (TDD),
- Interface with ETCS Onboard systems and the interfaced STMs, which is excluded from the scope of this document,
- Interface with Other Onboard Systems.

[Figure 1]

NOTE – Dotted lines are not described by this document.

The scope of this document is to define the functional architecture around the (TDC).

This document excludes the following items:

- Communication protocols (e.g. EN 61375 series);
- Ergonomic aspects;
- Interface with ETCS Onboard systems and the interfaced STMs;
- Train functions;
- GSM-R EIRENE functions;
- Use of the displays as terminals for maintenance purpose.

Projektleder: Per Velk

**DSF/CLC/FprTR 50542-2**
**Deadline: 2025-02-20**

Relation: CLC

Identisk med CLC/FprTR 50542-2

**Jernbaner – Styreenhed til display i førerbord (TDC) – Del 2: Funktionel systemgrænseflade for displaysystemer**

The scope of this Technical Report is the definition of the functional interface between TDC and DMIs.

[Figure 1]

The DMIs are those defined and considered in CLC/FprTR 50542 1:2024.

The TDC is defined in CLC/FprTR 50542 1:2024.

NOTE 1 – The conversion of physical signals into numerical representation is out of scope.

NOTE 2 – The term DMI is used in this clause as synonym for display.

Projektleder: Per Velk

**DSF/ISO/DIS 16481**
**Deadline: 2025-02-24**

Relation: ISO

Identisk med ISO/DIS 16481

**Bæredygtig mobilitet og transport – Digital ledelse – Strategiske behov vedrørende bæredygtighedsformål i henhold til ISO 37101**

This international standard applies to the Digital Governance part of the mobility system of a city engaged in sustainability. It should be used to achieve sustainability goals of the local community.

It targets Urban Mobility and its connections with intercity and other long-distance transport solutions. It applies to mobility of people and goods.

Projektleder: Tomas Lundstrøm

**DSF/prEN ISO 17573-2**
**Deadline: 2025-02-26**

Relation: CEN

Identisk med ISO/TS 17573-2:2020

og prEN ISO 17573-2

**Elektronisk afgiftsopkrævning – Systemarkitektur for køretøjsrelateret opkrævning – Del 2: Terminologi**

This document defines terms within the field of electronic fee collection (EFC).

This document defines:

– terms within the fields of electronic fee collection and road user charging;

– terms that are used in standards related to electronic fee collection;

– terms of a more general use that are used more specifically in standards related to electronic fee collection.

This document does not define:

– Terms related primarily to other fields that operate in conjunction with EFC, such as terms for intelligent transport systems (ITS), common payment systems, the financial sector, etc.

– Deprecated terms.

Projektleder: Per Velk

## 35.240.63
**IT-anvendelser inden for handel**

IT applications in trade

### Offentliggjorte forslag

**DSF/ISO/IEC FDIS 15944-1**
**Deadline: 2025-01-15**

Relation: ISO

Identisk med ISO/IEC FDIS 15944-1

**Informationsteknologi – BOV – Del 1: Driftsmæssige aspekter af implementering af OpenEDI**

The Open-edi Reference Model (ISO/IEC 14662:2010, Clause 4) states:

"The intention is that the sending, by an Open-edi Party, of information from a scenario, conforming to Open-edi standards, shall allow the acceptance and processing of that information in the context of that scenario by one or more Open-edi Parties by reference to the scenario and without the need for agreement. However, the legal requirements and/or liabilities resulting from the engagement of an organization in any Open-edi transaction may be conditioned by the competent legal environment(s) or the formation of a legal interchange agreement between the participating organizations. Open-edi Parties need to observe rule-based behaviour and possess the ability to make commitments in Open-edi (e.g., business, operational, technical, legal, and/or audit perspectives)."

ISO/IEC 15944-1:2011 addresses the fundamental requirements of the commercial and legal frameworks and their environments on business transactions, and also integrates the requirements of the information technology and telecommunications environments.

In addition to the existing strategic directions of "portability" and "interoperability", the added strategic direction of ISO/IEC JTC 1 of "cultural adaptability" is supported in ISO/IEC 15944-1:2011. It also supports requirements arising from the public policy/consumer environment, cross-sectorial requirements and the need to address horizontal issues. It integrates these different sets of requirements.

ISO/IEC 15944-1:2011 allows constraints [which include legal requirements, commercial and/or international trade and contract terms, public policy (e.g. privacy/data protection, product or service labelling, consumer protection), laws and regulations] to be defined and clearly integrated into Open-edi through the BOV. This means that terms and definitions in ISO/IEC 15944-1:2011 serve as a common bridge between these different sets of business operational requirements, allowing the integration of code sets and rules defining these requirements to be integrated into business processes electronically.

ISO/IEC 15944-1:2011 contains a methodology and tool for specifying common business practices as parts of common business transactions in the form of scenarios, scenario attributes, roles, Information Bundles and Semantic Components. It achieves this by 1) developing standard computer processable specifications of common business rules and practices as scenarios and scenario components; and thus 2) maximizing the re-use of these components in business transactions.

Projektleder: Tomas Lundstrøm

## 35.240.67
**IT-anvendelser inden for bygge- og anlægsbranchen**

IT applications in building and construction industry

### Offentliggjorte forslag

**DSF/ISO/DIS 29481-1**
**Deadline: 2025-02-04**

Relation: ISO

Identisk med ISO/DIS 29481-1

**Bygningsinformationsmodeller – Manual for informationsleverance (IDM) – Del 1: Metodik og format**

ISO 29481-1:2016 specifies

- a methodology that links the business processes undertaken during the construction of built facilities with the specification of information that is required by these processes, and

- a way to map and describe the information processes across the life cycle of construction works.

ISO 29481-1:2016 is intended to facilitate interoperability between software applications used during all stages of the life cycle of construction works, including briefing, design, documentation, construction, operation and maintenance, and demolition. It promotes digital collaboration between actors in the construction process and provides a basis for accurate, reliable, repeatable and high-quality information exchange.

Projektleder: Alexander Mollan Bohn Christiansen

**DSF/ISO/DIS 29481-2**
**Deadline: 2025-02-14**

Relation: ISO

Identisk med ISO/DIS 29481-2

**BIM – IDM – Del 2: Interaktionsrammer**

ISO 29481-2:2012 specifies a methodology and format for describing 'coordination acts' between actors in a building construction project during all life cycle stages.

It therefore specifies a methodology that describes an interaction framework, an appropriate way to map responsibilities and interactions that provides a process context for information flow, a format in which the interaction framework should be specified.

ISO 29481-2:2012 is intended to facilitate interoperability between software applications used in the construction process, to promote digital collaboration between actors in the building construction process, and to provide a basis for accurate, reliable, repeatable, and high-quality information exchange.

Projektleder: Alexander Mollan Bohn Christiansen

**DSF/prEN ISO 29481-1**
**Deadline: 2025-02-12**
Relation: CEN
Identisk med ISO/DIS 29481-1
og prEN ISO 29481-1
**Bygningsinformationsmodeller – Manual for informationsleverance (IDM) – Del 1: Metodik og format**
ISO 29481-1:2016 specifies
- a methodology that links the business processes undertaken during the construction of built facilities with the specification of information that is required by these processes, and
- a way to map and describe the information processes across the life cycle of construction works.
ISO 29481-1:2016 is intended to facilitate interoperability between software applications used during all stages of the life cycle of construction works, including briefing, design, documentation, construction, operation and maintenance, and demolition. It promotes digital collaboration between actors in the construction process and provides a basis for accurate, reliable, repeatable and high-quality information exchange.

Projektleder: Alexander Mollan Bohn Christiansen

## 35.240.80
**Anvendelse af IT inden for sundhedssektoren**
IT applications in health care technology

### Offentliggjorte forslag

**DSF/FprCEN/TS ISO 5615**
**Deadline: 2025-02-06**
Relation: CEN
Identisk med ISO/DTS 5615
og FprCEN/TS ISO 5615
**Sundhedsinformatik – Fremskyndelse af sikker, effektiv og pålidelig fjernforbundet pleje og mobil sundhed ved hjælp af standardbaserede interoperabilitetsløsninger, der adresserer udfordringer fremkommet under pandemier**
This TS will review the structural changes and challenges that have been precipitated by the recent pandemic in Remote Connected Care and Mobile Health (RCC-MH) and analyse how well the healthcare ecosystem was prepared to address them from a technical standards point of view. Gaps in the current standards landscape are identified and recommendations for future standards work are presented.

Projektleder: Nina Kjar

**DSF/ISO/DIS 16843-1**
**Deadline: 2025-02-11**
Relation: ISO
Identisk med ISO/DIS 16843-1
**Sundhedsinformatik – Kategoristrukturer til repræsentation af akupunktur – Del 1: Akupunkturpunkter**
ISO/TS 16843-1:2016 specifies the categorial structure within the subject field of acupuncture by defining a set of domain constraints of sanctioned characteristics each composed of a semantic link and an applicable characterizing category in order to represent the concept of acupuncture point.
ISO/TS 16843-1:2016 describes sanctioned characteristics with semantic links and characterizing categories for representation of acupuncture points. Concepts of acupuncture points are used in clinical practices for applying stimulation such as insertion, pricking, scratching, scrubbing, massaging or pressing with various kinds of needles, moxibustion, acupressure and cupping in various medical domains.
The potential uses for this conceptual framework are the following:
- provide a conceptual framework for the generation of compositional concept representation of acupuncture point;
- provide a core model to describe the structure of acupuncture point, and facilitate improved semantic correspondence with information models;
- facilitate the mapping and semantic correspondence between different terminological resources by proposing with a core specification of acupuncture point;
- support developers of new terminological systems concerning acupuncture point;
- support developers of new detailed content areas of existing terminological resources concerning acupuncture point to ensure conformance;
- facilitate the representation of acupuncture point in a manner suitable for computer processing;
- provide the monitoring system for adverse events and adverse reactions;
- provide the characterization of clinical research related to acupuncture point.
The target groups for this document are the following:
- developers of terminology systems acupuncture point;
- developers of information systems that require a structured framework of concepts to facilitate implementation and communication;
- informaticians, analysts and epidemiologists who require common models of knowledge to facilitate analysis of current and legacy data from one or more information systems;
- clinicians and coders to provide greater consistency in structure and organization when entering and retrieving data using one or more terminological resources;
- managers and administrative personnel in providing a benchmark by which to judge terminology and information system solutions: as to whether the potential options will deliver compatibility with legacy data and future proofing to emerging terminology products.
Topics considered outside the scope of this document include an exhaustive list of all possible characterizing concepts that could be used to describe acupuncture points.

Projektleder: Nina Kjar

## 35.240.95
**Internetapplikationer**
Internet applications

### Offentliggjorte forslag

**DSF/ISO/IEC DIS 27404**
**Deadline: 2025-02-15**
Relation: ISO
Identisk med ISO/IEC DIS 27404
**Cybersikkerhed – Sikkerhed og privatlivsbeskyttelse i relation til IoT – Mærkningsordning for cybersikkerhed i relation til forbruger-IoT**
This document defines a Universal Cybersecurity Labelling Framework for the development and implementation of cybersecurity labelling programmes for consumer IoT products and includes guidance on the following topics:
• Risks and threats associated with consumer IoT products;
• Stakeholders, roles and responsibilities;
• Relevant standards and guidance documents;
• Conformity assessment options;
• Labelling issuance and maintenance requirements; and
• Mutual recognition considerations.
The scope of this document is limited to consumer IoT products, such as IoT gateways, base stations and hubs to which multiple devices connect; smart cameras, televisions, and speakers; wearable health trackers; connected smoke detectors, door locks and window sensors; connected home automation and alarm systems, especially their gateways and hubs; connected appliances, such as washing machines and fridges; smart home assistants; and connected children's toys and baby monitors.
The Universal Cybersecurity Labelling Framework addresses the expected and intended use of IoT devices and systems by consumers, that is, the general public and non-technical users. These devices and systems are used with the understanding that the label and criteria are designed for consumer use and consumer security concerns. Safety is not addressed in this Universal Cybersecurity Labelling Framework even though it is an important aspect to consider. Consumer IoT devices used in an enterprise context may not be classified as consumer IoT devices due to potentially more serious implications if compromised, which then entails more stringent cybersecurity provisions. Furthermore, in threat models of consumer IoT, there is no IT/system administrator as a pre-condition.
Products that are not intended for consumer use are excluded from this standard. Examples of excluded devices are those that are primarily intended for manufacturing, healthcare and other industrial purposes.
The Universal Cybersecurity Labelling Framework is based on requirements from international standards, with objectives to facilitate mutual recognition of labelling schemes for consumer IoT (regardless if they are binary or multi-level), avoid fragmentation of standards, eradicate duplicated testing (across countries), reduce the

cost of compliance and facilitate market access for developers.

This document is applicable to consumers, developers, issuing bodies of cybersecurity labels and independent test laboratories.

Projektleder: Berit Aadal

## 35.240.99
**Anvendelse af IT inden for andre områder**

IT applications in other fields

### Offentliggjorte forslag

**DSF/ISO/IEC DIS 20931**
**Deadline: 2025-02-09**

Relation: ISO

Identisk med ISO/IEC DIS 20931

**Informationsteknologi – Brugergrænseflader – Ikoner til illustrering af tjenester i kontorhoteller**

This document provides the icons to specify the function and to indicate status of the serviced offices and their services. The icons are used as the user interfaces of searching, booking, and advertising applications for serviced offices. This document specifies basic icons that define the functions of all serviced offices, additional and miscellaneous icons that indicate other services. The functions specified by the icons include aspects of facilities, equipment, and services for fulfilling the various user needs such as working style, tools, amenities, language, accessibility needs including senior citizens etc..

Projektleder: Berit Aadal

## 37.020
**Optisk udstyr**

Optical equipment

### Nye Standarder

**DS/EN ISO 13695:2024**

DKK 575,00

Identisk med ISO 13695:2004

og EN ISO 13695:2024

**Øjenoptik og fotonik – Lasere og laserrelateret udstyr – Metoder til prøvning af laseres spektrale karakteristika**

This document specifies methods by which the spectral characteristics such as wavelength, bandwidth, spectral distribution and wavelength stability of a laser beam can be measured. This document is applicable to both continuous wave (cw) and pulsed laser beams. The dependence of the spectral characteristics of a laser on its operating conditions may also be important.

Projektleder: Pernille Rasmussen

**DS/ISO 13695:2024**

DKK 575,00

Identisk med ISO 13695:2024

**Øjenoptik og fotonik – Lasere og laserrelateret udstyr – Metoder til prøvning af laseres spektrale karakteristika**

This document specifies methods by which the spectral characteristics such as wavelength, bandwidth, spectral distribution and wavelength stability of a laser beam can be measured. This document is applicable to both continuous wave (cw) and pulsed laser beams. The dependence of the spectral characteristics of a laser on its operating conditions may also be important.

Projektleder: Nina Kjar

## 37.040.99
**Andre standarder vedrørende fotografering**

Other standards related to photography

### Offentliggjorte forslag

**DSF/ISO/FDIS 18948**
**Deadline: 2025-01-25**

Relation: ISO

Identisk med ISO/FDIS 18948

**Billedmaterialer – Fotobøger – Prøvningsmetoder for permanens og holdbarhed**

This document specifies test methods to assess the permanence and durability of photo books, including cover and pages.

This document is applicable to photo books which contain reflection colour prints made with colour hardcopy materials of all types, including those from either traditional analogue printing or modern digital printing processes. The same performance test methods apply, regardless of the printing process. Because of the large number of combinations of sizes, cover materials, binding options and printing processes, testing of all possible combinations is not within the scope of this document. Instead, a representative selection of printed pages, cover materials and binding options that are used in the makeup of the photo book are tested.

Projektleder: Erling Richard Trudsø

## 37.100.99
**Andre standarder vedrørende grafisk teknologi**

Other standards related to graphic technology

### Offentliggjorte forslag

**DSF/ISO/DIS 19005-4**
**Deadline: 2025-02-17**

Relation: ISO

Identisk med ISO/DIS 19005-4

**Dokumentstyring – Elektronisk dokumentfilformat til langtidsopbevaring – Del 4: Anvendelse af ISO 32000-2 (PDF/A-4)**

This document specifies the use of the Portable Document Format (PDF) 2.0, as formalized in ISO 32000-2:–, for preserving the static visual representation of page based electronic documents over time in addition to allowing any type of other content to be included as an embedded file or attachment.

This document does not apply to:

– specific processes for converting paper or electronic documents to the PDF/A format;

– specific technical design, user interface, implementation, or operational details of rendering;

– specific physical methods of storing these documents such as media and storage conditions;

– required computer hardware and/or operating systems.

Projektleder: Berit Aadal

**DSF/ISO/FDIS 18935**
**Deadline: 2025-01-25**

Relation: ISO

Identisk med ISO/FDIS 18935

**Billedmateriale – Farvebilleder – Bestemmelse af trykte farvebilleders modstandsevne mod vand**

This document specifies tests to determine the relative water resistance of printed colour images. This document is applicable to both digital and analogue prints.

Projektleder: Erling Richard Trudsø

## 43.020
**Køretøjer. Generelt**

Road vehicles in general

### Offentliggjorte forslag

**DSF/ISO/DTS 5083**
**Deadline: 2025-01-10**

Relation: ISO

Identisk med ISO/DTS 5083

**Vejkøretøjer – Automatiserede kørselssystemeres sikkerhed – Design, verifikation og validering**

This document provides an overview and guidance of the steps for developing and validating an automated vehicle equipped with a safe automated driving system. The approach is based on top level safety goals and basic principles derived from worldwide applicable publications. It considers safety by design, verification and validation methods for automated driving focused on SAE level 3 and level 4 vehicles according to ISO/SAE PAS 22736. In addition, it outlines cybersecurity considerations throughout all described steps.

The document is intended to be applied to road vehicles (incl. trucks and busses, i.e. road vehicles > 3,5to) excluding motorcycles.

Projektleder: Søren Lütken Storm

## 43.040.10
**Elektrisk og elektronisk udstyr**

Electrical and electronic equipment

### Offentliggjorte forslag

**DSF/ISO/DIS 8092-7**
**Deadline: 2025-02-19**

Relation: ISO

Identisk med ISO/DIS 8092-7

**Vejkøretøjer – Konnektorer til elledninger i køretøjer – Del 7: Krav til elektrisk forbindelse, prøvningsmetoder og grænsefladedefinition for minikoaksialkonnektorer**

This document contains procedures for performance testing of electrical terminals, connectors, and components for coaxial-style cable with an outside cable diameter of 3,6 mm and smaller. These are often called mini coaxial connector systems. This document applies to coaxial

cable connection systems that operate at frequencies from DC to up to 9 GHz and are intended for road vehicles. The characteristic impedance of the mini-coax connection system described here is 50 Ω, however nothing excludes the use of these connectors in systems with a different characteristic impedance. This document applies only to connection systems using coaxial cable. This document is intended to assess a connector with the same pass/fail outcome as Reference [1] would produce.

Users are encouraged to consider using existing design interfaces. Examples of existing design interfaces, both water sealed and unsealed, are identified in Annex F.

Projektleder: Søren Lütken Storm

## 43.040.15
**Informationssystemer og computersystemer i biler**

Car informatics. On board computer systems

### Offentliggjorte forslag

**DSF/ISO/DIS 23150-1**
**Deadline: 2025-02-19**

Relation: ISO

Identisk med ISO/DIS 23150-1

**Vejkøretøjer – Logisk interface mellem sensorer og databindingsenheder til automatiserede kørselsfunktioner – Del 1: Generel information og principper**

This document is applicable to road vehicles with automated driving functions. The document specifies the logical interface between in-vehicle environmental perception sensors (for example, radar, lidar, camera, ultrasonic) and the fusion unit which generates a surround model and interprets the scene around the vehicle based on the sensor data. The interface is described in a modular and semantic representation and provides information on object level (for example, potentially moving objects, road objects, static objects) as well as information on feature and detection levels based on sensor technology specific information. Further supportive information is available.

This document does not provide electrical and mechanical interface specifications. Raw data interfaces are also excluded.

Projektleder: Søren Lütken Storm

## 43.120
**Elektriske køretøjer**

Electric road vehicles

### Offentliggjorte forslag

**DSF/EN ISO 15118-20:2022/prA1:2024**
**Deadline: 2025-02-19**

Relation: CEN

Identisk med ISO 15118-20:2022/DAmd 1

og EN ISO 15118-20:2022/prA1:2024

**Vejkøretøjer – Kommunikationsgrænseflade mellem køretøj og elnet – Del 20: Krav til netværkslag og applikationslag af anden generation**

This document specifies the communication between the electric vehicle (EV), including battery electric vehicle (BEV) and plug-in hybrid electric vehicle (PHEV), and the electric vehicle supply equipment (EVSE). The application layer messages defined in this document are designed to support the electricity power transfer between an EV and an EVSE.

This document defines the communication messages and sequence requirements for bidirectional power transfer.

This document furthermore defines requirements of wireless communication for both conductive charging and wireless charging as well as communication requirements for automatic connection device and information services about charging and control status.

The purpose of this document is to detail the communication between an electric vehicle communication controller (EVCC) and a supply equipment communication controller (SECC). Aspects are specified to detect a vehicle in a communication network and enable an Internet Protocol (IP) based communication between the EVCC and the SECC.

Projektleder: Søren Lütken Storm

**DSF/IEC 63407 ED1**
**Deadline: 2025-02-20**

Relation: CLC

Identisk med IEC 63407 ED1

og prEN IEC 63407:2024

**Konduktiv opladning af elkøretøjer – Kontaktgrænseflade for ACD-enheder**

Projektleder: Henning Nielsen

**DSF/ISO 15118-20/AMD1 ED1**
**Deadline: 2025-02-20**

Relation: IEC

Identisk med ISO 15118-20/AMD1 ED1

**Vejkøretøjer – Kommunikationsgrænseflade mellem køretøj og elnet – Del 20: Krav til netværkslag og applikationslag af anden generation**

This document specifies the communication between the electric vehicle (EV), including battery electric vehicle (BEV) and plug-in hybrid electric vehicle (PHEV), and the electric vehicle supply equipment (EVSE). The application layer messages defined in this document are designed to support the electricity power transfer between an EV and an EVSE.

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The purpose of this document is to detail the communication between an electric vehicle communication controller (EVCC) and a supply equipment communication controller (SECC). Aspects are specified to detect a vehicle in a communication network and enable an Internet Protocol (IP) based communication between the EVCC and the SECC.

Projektleder: Søren Lütken Storm

**DSF/prEN IEC 63407:2024**
**Deadline: 2025-02-20**

Relation: CLC

Identisk med IEC 63407 ED1

og prEN IEC 63407:2024

**Konduktiv opladning af elkøretøjer – Kontaktgrænseflade for ACD-enheder**

Projektleder: Henning Nielsen

**DSF/prEN ISO 15118-4**
**Deadline: 2025-02-05**

Relation: CEN

Identisk med ISO/DIS 15118-4

og prEN ISO 15118-4

**Vejkøretøjer – Kommunikationsgrænseflade mellem køretøj og elnet – Del 4: Overensstemmelsestest for netværks- og applikationsprotokol**

ISO 15118-4:2018 specifies conformance tests in the form of an Abstract Test Suite (ATS) for a System Under Test (SUT) implementing an EVCC or SECC according to ISO 15118-2. These conformance tests specify the testing of capabilities and behaviors of an SUT as well as checking what is observed against the conformance requirements specified in ISO 15118-2 and against what the supplier states the SUT implementation's capabilities are.

The capability tests within the ATS check that the observable capabilities of the SUT are in accordance with the static conformance requirements defined in ISO 15118-2. The behavior tests of the ATS examine an implementation as thoroughly as is practical over the full range of dynamic conformance requirements defined in ISO 15118-2 and within the capabilities of the SUT (see NOTE).

A test architecture is described in correspondence to the ATS. The conformance test cases in this document are described leveraging this test architecture and are specified in TTCN-3 Core Language for ISO/OSI Network Layer (Layer 3) and above. The conformance test cases for the Data Link Layer (Layer 2) and Physical Layer (Layer 1) are described in ISO 15118-5. Test cases with overlapping scopes are explicitly detailed.

This document does not include specific tests of other standards referenced within ISO 15118-2, e.g. IETF RFCs. Furthermore, the conformance tests specified in this document do not include the assessment of performance nor robustness or reliability of an implementation. They cannot provide judgments on the physical realization of abstract service primitives, how a system is implemented, how it provides any requested service, nor the environment of the protocol implementation. Furthermore, the test cases defined in this document only consider the communication protocol defined ISO 15118-2. Power flow between the EVSE and the EV is not considered.

NOTE 1 – Practical limitations make it impossible to define an exhaustive test suite, and economic considerations can restrict testing even further. Hence, the purpose of this document is to increase the probability that different implementations are able to interwork. This is achieved by verifying them by means of a protocol test suite, thereby increasing the confidence that each implementation conforms to the protocol specification. However, the specified protocol test suite cannot guarantee conformance to the specificati-

on since it detects errors rather than their absence. Thus conformance to a test suite alone cannot guarantee interworking. What it does do is give confidence that an implementation has the required capabilities and that its behavior conforms consistently in representative instances of communication.

NOTE 2 – This document has some interdependencies to the conformance tests defined in ISO 15118-5 which result from ISO/OSI cross layer dependencies in the underlying protocol specification (e.g. for sleep mode)

Projektleder: Søren Lütken Storm

## 43.160
**Køretøjer til specialformål**
Special purpose vehicles

### Offentliggjorte forslag

**DSF/prEN 13807**
**Deadline: 2025-02-24**
Relation: CEN
Identisk med prEN 13807
**Transportable gasflasker – Batterikøretøjer og MEGC'er – Udformning, fremstilling, identifikation og prøvning**
This European Standard specifies the requirements for the design, manufacture, identification and testing of battery vehicles and multiple-element gas containers (MEGCs) containing cylinders, tubes or bundles of cylinders. It is applicable to battery vehicles containing compressed gas, liquefied gas and mixtures thereof. It is also applicable to battery vehicles for dissolved acetylene. This European Standard is not applicable to toxic gases with an LC50 value less than or equal to 200 ml/m3.

This European Standard applies also to battery vehicles and MEGCs containing bundles of cylinders connected by a manifold which are dis-assembled from the battery vehicle and filled individually.

This European Standard does not apply to battery vehicles and MEGCs containing pressure drums or tanks, or to multi-element gas containers (MEGCs).

This European Standard does not specify requirements for the vehicle chassis or motive unit.

This European standard does not cover requirements for sea transportation.

This European Standard is primarily intended for industrial gases other than Liquefied Petroleum Gases (LPG). At the time of publication of this European Standard, there is no European Standard for dedicated LPG battery vehicles.

Where there is any conflict between this European Standard and any applicable regulation, the regulation always takes precedence.

Projektleder: Lone Skjerning

## 45.020
**Jernbaneteknik. Generelt**
Railway engineering in general

### Offentliggjorte forslag

**DSF/CLC/FprTR 50542-1**
**Deadline: 2025-02-20**
Relation: CLC
Identisk med CLC/FprTR 50542-1
**Jernbaner – Styreenhed til display i førerbord (TDC) – Del 1: Generel arkitektur struktur**
In accordance with the ERTMS/ETCS specifications (mainly Subset 026 and ERA_ERTMS_015560 document), UIC 612 leaflet, EN 50126 (series), EN 16186 (series) and EN 61375 (series) requirements, this Technical Report describes the Train Display System (TDS) in the driver's cab which comprises the Train Display Controller (TDC) and the following six interfaces:

- Interface with Command Control Display (CCD),
- Interface with Train Radio Display (TRD),
- Interface with Electronic Timetable Display (ETD),
- Interface with Technical and Diagnostic Display (TDD),
- Interface with ETCS Onboard systems and the interfaced STMs, which is excluded from the scope of this document,
- Interface with Other Onboard Systems.

[Figure 1]

NOTE – Dotted lines are not described by this document.

The scope of this document is to define the functional architecture around the (TDC).

This document excludes the following items:

- Communication protocols (e.g. EN 61375 series);
- Ergonomic aspects;
- Interface with ETCS Onboard systems and the interfaced STMs;
- Train functions;
- GSM-R EIRENE functions;
- Use of the displays as terminals for maintenance purpose.

Projektleder: Per Velk

**DSF/CLC/FprTR 50542-2**
**Deadline: 2025-02-20**
Relation: CLC
Identisk med CLC/FprTR 50542-2
**Jernbaner – Styreenhed til display i førerbord (TDC) – Del 2: Funktionel systemgrænseflade for displaysystemer**
The scope of this Technical Report is the definition of the functional interface between TDC and DMIs.

[Figure 1]

The DMIs are those defined and considered in CLC/FprTR 50542 1:2024.

The TDC is defined in CLC/FprTR 50542 1:2024.

NOTE 1 – The conversion of physical signals into numerical representation is out of scope.

NOTE 2 – The term DMI is used in this clause as synonym for display.

Projektleder: Per Velk

## 45.040
**Materialer og komponenter til jernbanebyggeri**
Materials and components for railway engineering

### Offentliggjorte forslag

**DSF/DS 21001:2024**
**Deadline: 2025-02-18**
Relation: DS
**Ledelsessystemer for jernbanesikkerhed – Infrastrukturarbejde – Krav**

Projektleder: Lærke Høllund

## 45.060.01
**Rullende jernbanemateriel. Generelt**
Railway rolling stock in general

### Offentliggjorte forslag

**DSF/DS 21001:2024**
**Deadline: 2025-02-18**
Relation: DS
**Ledelsessystemer for jernbanesikkerhed – Infrastrukturarbejde – Krav**

Projektleder: Lærke Høllund

**DSF/ISO/DIS 18318**
**Deadline: 2025-02-02**
Relation: ISO
Identisk med ISO/DIS 18318
**Jernbaner – Geometriske parametre for hjul-skinne-kontakt – Definitioner og vurderingsmetoder**
This document establishes definitions and evaluation methods for wheel-rail contact geometry parameters influencing the vehicle running dynamic behaviour:

- the rolling radius difference between the two wheels of a wheelset (Δr-function) which serves as a basis for all further calculations;
- the equivalent conicity function from which are derived:

• a single equivalent conicity value for a specified amplitude which is relevant for the assessment of vehicle running stability on straight track and in very large radius curves;

• the nonlinearity parameter which characterizes the shape of this function and is related to the vehicle behaviour particularly in the speed range close to the running stability limit;

- the rolling radii coefficient which is used to describe the theoretical radial steering capability of a wheelset in a curved track.

Additional information is given about the relationship between the contact angles of the two wheels of a wheelset (Δtanγ-function) and about the roll angle parameter.

Descriptions of possible calculation methods are included in this document. Test case calculations are provided to achieve comparable results and to check the proper implementation of the described algorithms.

To validate alternative methods not described in this document acceptance criteria are given for the equivalent conicity function. This includes reference profiles, profile

combinations, tolerances and reference results with tolerance limits.

This document also includes minimum requirements for the measurement of wheel and rail profiles as well as of the parameters needed for the transformation into a common coordinate system of right- and left-hand profiles.

This document does not define limits for the wheel-rail contact geometry parameters and gives no tolerances for the rail profile and the wheel profile to achieve acceptable results.

For the application of this document some general recommendations are given.

Projektleder: Per Velk

**DSF/prEN IEC 61375-1:2024**
**Deadline: 2025-02-06**

Relation: CLC

Identisk med IEC 61375-1 ED4

og prEN IEC 61375-1:2024

**Elektronisk jernbaneudstyr – Togkommunikationsnetværk (TCN) – Del 1: Generel arkitektur**

This part of IEC 61375 applies to the architecture of data communication systems in open trains, i.e., it covers the architecture of a communication system for the data communication between vehicles of the said open trains, the data communication within the vehicles and the data communication from train to the ground.

The applicability of this part of IEC 61375 to the train network technologies allows for interoperability of individual vehicles within open trains in international traffic.

The data communication systems inside vehicles are given as recommended solutions to cope with the said TCN. In any case, proof of compatibility between a proposed train backbone and a proposed consist network will have to be brought by the supplier.

Projektleder: Per Velk

**DSF/prEN ISO 19659-4**
**Deadline: 2025-02-05**

Relation: CEN

Identisk med ISO/DIS 19659-4

og prEN ISO 19659-4

**Kommunikationsudstyr på højspændingsledninger – Del 1: Planlægning af analoge og digitale bærefrekvenssystemer på HV-ledningsnettet**

This document covers the following as a guideline:

- the basic design parameters to be provided to the HVAC unit manufacturer by the rolling stock manufacturer and the railway operator;

- the basic test/inspection items, requirements and methods used by the HVAC unit manufacturer.

Projektleder: Per Velk

## 45.060.10
**Trækmateriel**

Tractive stock

### Nye Standarder

**DS/CLC/TS 50712:2024**

DKK 880,00

Identisk med CLC/TS 50712:2024

**Jernbaner – Strømaftagningssystemer – Tekniske kriterier for interaktion mellem strømaftager og køreledning på elektrificerede strækninger**

This document defines the general characteristics applicable to pantographs for ERS, to enable dynamic current collection of road vehicles from an overhead contact line system. It furthermore defines the electrical and mechanical interface between a pantograph and the infrastructure and between a pantograph and the vehicle.

The document also specifies tests for the pantograph. It includes recommendations for a common safety concept that is related to the electric vehicle and power supply infrastructure and gives recommendations for the maintenance of the pantograph.

This document is applicable to:

- Two-pole pantographs on commercial vehicles during operation on electrified public roads and highways.

This document is not applicable to:

- trolley busses and their electric equipment;

- vehicles in private applications on roads in restricted areas such as truck trolley applications in mines;

- commercial freight vehicles or electric busses with static-only charging systems at e.g. loading/unloading facilities or bus stops.

Projektleder: Per Velk

**DS/EN 50728:2024**

DKK 955,00

Identisk med EN 50728:2024

**Jernbaner – Rullende materiel – EMC-prøvning af sporisolation**

This document defines the measurement and evaluation methods of rolling stock interference current emissions to demonstrate compatibility with track circuits. This includes rolling stock with or without traction equipment. The established limits for compatibility are defined in ERA/ERTMS/033281, PD CLC/TS 50238-2 or NNTRs as current flowing between the vehicle and the electric traction power supply system that can disturb the track circuit receiver, as part of the track circuit system. Additionally, the referred documents can define a minimum rolling stock impedance in order to guarantee compatibility between the electric traction power supply system and track circuits.

This document is relevant to the interference current limits defined in the "frequency management" for track circuits as defined in ERA/ERTMS/033281. It is also applicable to the demonstration of compatibility with all other types of track circuits which have established compatibility according to EN 50617-1. Finally, the methodology defined in this document can also be applied to other track circuit types, including those for which the only requirements are defined in NNTRs.

NOTE 1 – Interface parameters between rolling stock and track circuits other than interference currents and impedance are out of the scope of this document.

NOTE 2 – For track circuits prone to wrong side failures additional precautions might be needed to mitigate safety risks. The necessary precautions and safety considerations are outside the scope of this document, but can be found in NNTRs.

Projektleder: Per Velk

## 47.020.05
**Materialer og komponenter til skibsbygning**

Materials and components for shipbuilding

### Offentliggjorte forslag

**DSF/ISO/DIS 18735**
**Deadline: 2025-01-21**

Relation: ISO

Identisk med ISO/DIS 18735

**Skibs- og marineteknologi – Austenitisk stål med højt manganindhold – Specifikation for længdesvejste stålrør af austenitisk stål med højt manganindhold beregnet til kryogene temperaturer**

This document specifies minimum requirements for high manganese austenitic steel castings for valves, flanges and other pressure-containing components for cryogenic temperature.

The specification of high manganese austenitic steel castings can be applicable to all pressure retaining components and any non-pressure retaining component.

The selection of high manganese austenitic steel castings for a specific service including any necessary additional material requirements remains the responsibility of the end user.

Projektleder: Per Velk

**DSF/ISO/DIS 18742**
**Deadline: 2025-01-21**

Relation: ISO

Identisk med ISO/DIS 18742

**Skibs- og marineteknologi – Austenitisk stål med højt manganindhold – Specifikation for svejste fittings af austenitisk stål med højt manganindhold beregnet til kryogene temperaturer**

This specification covers wrought high manganese austenitic steel welded fittings for pressure piping cryogenic temperature.

The specification of high manganese austenitic steel welded fittings can be applicable to all pressure retaining components and any non-pressure retaining component for hull systems and onshore projects.

Projektleder: Per Velk

**DSF/ISO/DIS 18760**
**Deadline: 2025-01-21**
Relation: ISO
Identisk med ISO/DIS 18760
**Skibs- og marineteknologi – Austenitisk højmanganstål – Specifikation for længdesvejste stålrør af austenitisk højmanganstål til kryogene temperaturer**
This document specifies the delivery conditions for welded pipes of circular cross-section, made of high manganese austenitic steel, which are supplied for low temperature pressure purposes. This document is applicable to all pressure retaining components and any non-pressure retaining component, such as a member of a pipe support, welded directly to a pressure retaining component.

Projektleder: Per Velk

## 47.020.20
**Skibsmotorer og fremdriftssystemer**
Marine engines and propulsion systems

### Nye Standarder

**DS/ISO 10665:2024**
DKK 575,00
Identisk med ISO 10665:2024
**Skibs- og marineteknologi – Skibsdesign – CNG- og LNG-fremdrivningssystemer**
This document specifies the requirements for the installation of compressed natural gas (CNG) and liquefied natural gas (LNG) propulsion systems and components on ships and crafts.

This document does not apply to large seagoing ships covered by SOLAS Chapter II-1 vessels.

This document does not cover appliances with directly attached gas cylinders, such as portable container.

Projektleder: Per Velk

## 47.020.60
**Elektrisk udstyr til skibe og marine konstruktioner**
Electrical equipment of ships and of marine structures

### Offentliggjorte forslag

**DSF/IEC 60092-352 ED4**
**Deadline: 2025-01-25**
Relation: IEC
Identisk med IEC 60092-352 ED4
**Elektriske installationer i skibe – Del 352: Valg og installation af elektriske kabler**
This part of IEC 60092 provides the basic requirements for the selection and installation of electrical cables intended for fixed electrical systems on board ships at voltages ( U) up to and including Um 36 kV and also fibre optic cables..

The reference to fixed systems includes those that are subjected to vibration (due to the movement of the ship) or movement (due to motion of the ship) and not to those that are intended for frequent flexing.

Cables subject to frequent or continual flexing use shall be able to withstand the mechanical stress and the environment they are exposed to and are detailed in other IEC specifications e.g. IEC 60227 and IEC 60245. Flexible cables are frequently used for retractable thrusters, elevators, moving decks, cranes, shore connections and other moving applications on board ships.

The following types and applications of cables are not included:

– optical fibre cables;

– sub-sea and umbilical cables;

– data, telecommunication and radio frequency cables;

– the choice and installation of cables for use on offshore platforms ;

Projektleder: Per Velk

## 47.020.99
**Andre standarder vedrørende skibsbygning og marine konstruktioner**
Other standards related to shipbuilding and marine structures

### Nye Standarder

**DS/ISO 28005-1:2024**
DKK 955,00
Identisk med ISO 28005-1:2024
**Skibs- og marineteknologi – Elektronisk melding til og fra havn (EPC) – Del 1: Meddelelsesstrukturer og API'er**
This document defines the principles, methods and requirements for message exchanges between ships, ship representatives, and other shore parties via a peer-to-peer communication system. This document defines the message structure, including how the data content is assembled from other parts of the ISO 28005 series, and how digital signatures for authentication, integrity, and confidentiality of the message can be used. It also specifies a transport protocol, the basic message exchange patterns, and the protocol related roles of each party in the message exchange. Furthermore, it specifies how more specific message implementation guides (MIGs) are provided for each type of communication application.

Projektleder: Per Velk

**DS/ISO 28005-3:2024**
DKK 880,00
Identisk med ISO 28005-3:2024
**Skibs- og marineteknologi – Elektronisk melding til og fra havn (EPC) – Del 3: Dataelementer anvendt ved skibs- og havneoperationer**
This document provides technical specifications to facilitate an efficient exchange of electronic information between ships and shore, for coastal transit and port calls, with a specific focus on the operational data exchange. It specifies requirements to enhance the safety, security and efficiency of information exchanges.

This document describes core data elements for use in electronic port clearance (EPC) messages. It does not define any structuring of messages, but rather gives general details on safety-, security- and operation-related maritime information in the context of EPC messages.

Details about message formats and applications are found in ISO 28005-1.

Projektleder: Per Velk

## 47.080
**Mindre fartøjer**
Small craft

### Offentliggjorte forslag

**DSF/prEN 14144**
**Deadline: 2025-02-17**
Relation: CEN
Identisk med prEN 14144
**Redningskranse – Krav og prøvninger**
This document applies to lifebuoys used on watercraft in sea and inland navigation, on floating bodies, floating equipment, marine equipment and shore equipment in the vicinity of bodies of water.

The document specifies the main dimensions, design, safety requirements and testing of lifebuoys.

Projektleder: Per Velk

## 49.020
**Luft- og rumfartøjer. Generelt**
Aircraft and space vehicles in general

### Offentliggjorte forslag

**DSF/prEN 9241**
**Deadline: 2025-02-12**
Relation: CEN
Identisk med prEN 9241
**Flymateriel**
The scope of the present document is to provide the elements needed for elaborating the programme execution logic and drafting the execution plan for the realization of a product.

NOTE 1 – In this document, the term "logic" alone is sometimes used for "execution logic".

NOTE 2 – In this document, the term "product" is used to designate the object of the program concerned, and the term "system" is used to designate the product for anything related to system engineering.

NOTE 3 – The product is also considered a "system-of-interest" and its enabling systems are also taken into account.

The execution logic and plan enable customers/suppliers to reach an agreement on how their respective processes and activities can be organized.

The aim is to enable each actor in the programme to manage their activities with sufficient visibility of the sequencing of the other stakeholders' activities.

This document belongs to the documents supporting EN 9200 relating to the programme management specification.

The present document describes the principles of programme execution logic and defines the corresponding management requirements. This description is supplemented:

- on the one hand, in terms of execution logic principles, by:

o the challenges of a basic logic common to all actors (synchronization);

o the applicable criteria to set up this basic logic;

o the translation of this logic into the programme processes;

- on the other hand, in terms of implementing the execution logic, by:

o the procedures for practical implementation of the management requirements defined in EN 9200;

o adaptations of the logic according to the various constraints and specificities of the programme, and justification of these adaptations;

o the consistency between the basic logic at system level and the logics at subsystem and constituent levels.

The breakdown of clauses as used in this document gives a gradual understanding of the approach to be adopted to construct an execution logic. For instance:

- Clause 5 presents the end-purpose of a programme execution logic as well as the associated basic concepts and the constituents of this logic;

- Clause 6 describes and characterizes the process for building the logic;

- Clause 7 concerns change control to the execution logic;

- Clause 8 concentrates on the importance of capitalization and lessons learned.

This document applies to aeronautical, space and defence programmes. The principles can be extended to other areas of activity.

It applies to realization of a single product, of several samples or of a series. It applies to any customer/supplier level, while ensuring consistency between successive levels.

The principles described concern all programme actors, from initial expression of need through to closure of the programme.

Projektleder: Pernille Rasmussen

## 49.025.15
**Ikke-jernholdige legeringer. Generelt**
Non-ferrous alloys in general

### Nye Standarder

**DS/EN 4908:2024**
DKK 320,00
Identisk med EN 4908:2024
**Flymateriel**

This document specifies the requirements for the hexavalent chromium free chemical conversion process of magnesium and magnesium alloys to ensure an adhesion base before bonding and painting.

The purpose of this document is to specify design, quality and manufacturing requirements. It does not specify complete in-house process instructions; these are specified in the processors detailed process instructions.

Projektleder: Pernille Rasmussen

## 49.040
**Belægninger og tilhørende processer anvendt inden for luftfartsindustrien**
Coatings and related processes used in aerospace industry

### Nye Standarder

**DS/EN 4473:2024**
DKK 355,00
Identisk med EN 4473:2024
**Flymateriel**

This document specifies the performance requirements for aluminium pigmented organic coatings to be applied on titanium, titanium alloys, nickel or cobalt based alloys and corrosion resistant steels.

This specification does not cover electrical bonding and lightning strike applications of these coatings. Additional qualification tests will be agreed with the OEM upon qualification.

NOTE – These coatings are not recommended for use on non-corrosion resistant steel fasteners.

Projektleder: Pernille Rasmussen

**DS/EN 4474:2024**
DKK 320,00
Identisk med EN 4474:2024
**Flymateriel**

This document specifies the application method and quality assurance for aluminium pigmented coatings as per EN 4473 which may be applied to fasteners or other parts in titanium, titanium alloys, nickel or cobalt based alloys and corrosion resisting steels.

Projektleder: Pernille Rasmussen

## 49.060
**Elektrisk udstyr og systemer til luftfartøjer**
Aerospace electric equipment and systems

### Nye Standarder

**DS/EN 6049-005:2024**
DKK 320,00
Identisk med EN 6049-005:2024
**Flymateriel**

This document specifies the characteristics of post installation flexible mechanical protection sleeves for electrical cable and cable bundles made from meta-aramid fibres and provided with a water repellent protection.

Projektleder: Pernille Rasmussen

**DS/EN 6059-203:2024**
DKK 320,00
Identisk med EN 6059-203:2024
**Flymateriel**

This document specifies methods for measuring and calculating the coverage of protection sleeves for electrical cables and cable bundles. It is presupposed to be used together with EN 6059 100.

Projektleder: Pernille Rasmussen

## 49.090
**Fartøjsudstyr og instrumenter**
On-board equipment and instruments

### Nye Standarder

**DS/EN 4869-001:2024**
DKK 665,00
Identisk med EN 4869-001:2024
**Flymateriel**

This document specifies the general characteristics, the conditions for qualification, acceptance and quality assurance, as well as the test programs and groups for threaded ring coupling circular connectors with expanded beam termini, intended for use in a temperature range from −55 °C to 125 °C continuous.

Projektleder: Pernille Rasmussen

**DS/EN 4869-101:2024**
DKK 320,00
Identisk med EN 4869-101:2024
**Flymateriel**

This document details the dimensions and performance requirements of a multimode male size 16, non-physical contact expanded beam terminus. This terminus is suitable for use with connectors which have standard size 16 pin crimp contact cavities: connectors with cavities for contact of type EN 3155-008M16.

Projektleder: Pernille Rasmussen

**DS/EN 4869-102:2024**
DKK 320,00
Identisk med EN 4869-102:2024
**Flymateriel**

This document details the dimensions and performance requirements of a multimode female size 16, non-physical contact expanded beam terminus. This terminus is suitable for use with connectors which have standard size 16 socket crimp contact cavities (series I and III): connectors with cavities for contact of type EN 3155-009F16.

Projektleder: Pernille Rasmussen

**DS/EN 4869-103:2024**
DKK 320,00
Identisk med EN 4869-103:2024
**Flymateriel**

This document details the dimensions and performance requirements of a multimode male size 12, non-physical contact expanded beam terminus. This terminus is suitable for use with connectors which have standard size 12 pin crimp contact cavities: connectors with cavities for contact of type EN 3155-008M12.

Projektleder: Pernille Rasmussen

**DS/EN 4869-104:2024**
DKK 355,00
Identisk med EN 4869-104:2024
**Flymateriel**

This document details the dimensions and performance requirements of a multimode female size 12, non-physical contact expanded beam terminus. This terminus is suitable for use with connectors which have standard size 12 socket crimp contact cavities (series I and III): connectors

with cavities for contact of type EN 3155-009F12.

Projektleder: Pernille Rasmussen

## 49.140
**Rumsystemer og drift**
Space systems and operations

### Offentliggjorte forslag

**DSF/prEN 9241**
**Deadline: 2025-02-12**
Relation: CEN
Identisk med prEN 9241
**Flymateriel**
The scope of the present document is to provide the elements needed for elaborating the programme execution logic and drafting the execution plan for the realization of a product.
NOTE 1 – In this document, the term "logic" alone is sometimes used for "execution logic".
NOTE 2 – In this document, the term "product" is used to designate the object of the program concerned, and the term "system" is used to designate the product for anything related to system engineering.
NOTE 3 – The product is also considered a "system-of-interest" and its enabling systems are also taken into account.
The execution logic and plan enable customers/suppliers to reach an agreement on how their respective processes and activities can be organized.
The aim is to enable each actor in the programme to manage their activities with sufficient visibility of the sequencing of the other stakeholders' activities.
This document belongs to the documents supporting EN 9200 relating to the programme management specification.
The present document describes the principles of programme execution logic and defines the corresponding management requirements. This description is supplemented:
- on the one hand, in terms of execution logic principles, by:
o the challenges of a basic logic common to all actors (synchronization);
o the applicable criteria to set up this basic logic;
o the translation of this logic into the programme processes;
- on the other hand, in terms of implementing the execution logic, by:
o the procedures for practical implementation of the management requirements defined in EN 9200;
o adaptations of the logic according to the various constraints and specificities of the programme, and justification of these adaptations;
o the consistency between the basic logic at system level and the logics at subsystem and constituent levels.
The breakdown of clauses as used in this document gives a gradual understanding of the approach to be adopted to construct an execution logic. For instance:
- Clause 5 presents the end-purpose of a programme execution logic as well as the associated basic concepts and the constituents of this logic;
- Clause 6 describes and characterizes the process for building the logic;
- Clause 7 concerns change control to the execution logic;
- Clause 8 concentrates on the importance of capitalization and lessons learned.
This document applies to aeronautical, space and defence programmes. The principles can be extended to other areas of activity.
It applies to realization of a single product, of several samples or of a series. It applies to any customer/supplier level, while ensuring consistency between successive levels.
The principles described concern all programme actors, from initial expression of need through to closure of the programme.

Projektleder: Pernille Rasmussen

## 53.040.10
**Transportører**
Conveyors

### Offentliggjorte forslag

**DSF/ISO/DIS 21182**
**Deadline: 2025-02-15**
Relation: ISO
Identisk med ISO/DIS 21182
**Lette transportbånd – Bestemmelse af friktionskoefficienten**
ISO 21182:2013 specifies test methods for determining the dynamic and static coefficients of friction for light conveyor belts according to ISO 21183-1.

## 53.040.20
**Komponenter til transportører**
Components for conveyors

### Offentliggjorte forslag

**DSF/ISO/DIS 21180**
**Deadline: 2025-02-15**
Relation: ISO
Identisk med ISO/DIS 21180
**Lette transportbånd – Bestemmelse af den maksimale trækbrudstyrke**
This International Standard specifies a test method for the determination of the maximum tensile strength of light conveyor belts, according to ISO 21183-1, or of other conveyor belts where ISO 283 is not applicable.
**DSF/ISO/DIS 21181**
**Deadline: 2025-02-16**
Relation: ISO
Identisk med ISO/DIS 21181
**Lette transportbånd – Bestemmelse af det slappe elasticitetsmodul**
ISo 21181:2013 specifies a test method for the determination of the relaxed elastic modulus of light conveyor belts according to ISO 21183-1 or other conveyor belts where ISO 9856 is not applicable.

**DSF/prEN ISO 21181**
**Deadline: 2025-02-26**
Relation: CEN
Identisk med ISO/DIS 21181
og prEN ISO 21181
**Lette transportbånd – Bestemmelse af det slappe elasticitetsmodul**
ISo 21181:2013 specifies a test method for the determination of the relaxed elastic modulus of light conveyor belts according to ISO 21183-1 or other conveyor belts where ISO 9856 is not applicable.

Projektleder: Pernille Rasmussen

## 55.020
**Emballage og varedistribution. Generelt**
Packaging and distribution of goods in general

### Nye Standarder

**DS/ISO 31512:2024**
DKK 440,00
Identisk med ISO 31512:2024
**Kølekædelogistik i B2B-sektoren – Krav og retningslinjer for oplagring og transport**
This document specifies requirements and guidelines for refrigerated storage services and refrigerated transport services for foods, in the business to business (B to B) logistics sector in order to ensure that cold chains are properly maintained.
This document does not apply to logistics services for cosmetics, cigarettes, pharmaceutical and medical products, over-the-counter drugs and commercially available medicine.
This document does not apply to customs operations.
This document applies to environments where refrigeration must be created and maintained, and does not apply to environments needing to raise storage temperatures.

Projektleder: Per Velk

## 55.120
**Dåser. Tuber**
Cans. Tins. Tubes

### Nye Standarder

**DS/EN 10333:2024**
DKK 355,00
Identisk med EN 10333:2024
**Stål til emballage – Produkter af fladstål beregnet til anvendelse i forbindelse med fødevarer, produkter eller drikkevarer til mennesker og dyr – Fortinnet stål (hvidblik)**
This document specifies the composition of the base steel used for the production of tinplate for use in direct contact with foodstuffs or products for human and animal consumption as well as the composition of tin used to coat it. Tinplate can be produced with or without an organic coating.
The main examples of use are:
- drinks cans,
- food cans,

- packaging of dry foods,
- aerosol cans.

The material is chosen in accordance with the conditions for its use.

This document does not apply to categories of steel other than steel for packaging intended for use in contact with foodstuffs, products or beverages for human or animal consumption.

Projektleder: Erling Richard Trudsø

## 55.130
**Aerosolbeholdere**
Aerosol containers

### Nye Standarder

**DS/EN 10333:2024**
DKK 355,00
Identisk med EN 10333:2024
**Stål til emballage – Produkter af fladstål beregnet til anvendelse i forbindelse med fødevarer, produkter eller drikkevarer til mennesker og dyr – Fortinnet stål (hvidblik)**
This document specifies the composition of the base steel used for the production of tinplate for use in direct contact with foodstuffs or products for human and animal consumption as well as the composition of tin used to coat it. Tinplate can be produced with or without an organic coating.

The main examples of use are:

- drinks cans,
- food cans,
- packaging of dry foods,
- aerosol cans.

The material is chosen in accordance with the conditions for its use.

This document does not apply to categories of steel other than steel for packaging intended for use in contact with foodstuffs, products or beverages for human or animal consumption.

Projektleder: Erling Richard Trudsø

## 55.180.10
**Containere til generel brug**
General purpose containers

### Nye Standarder

**DS/EN ISO 10855-1:2024**
DKK 665,00
Identisk med ISO 10855-1:2024
og EN ISO 10855-1:2024
**Offshorecontainere og tilhørende løftebeslag – Del 1: Konstruktion, fremstilling og mærkning af offshorecontainere**
This document specifies requirements for the design, manufacture and marking of offshore containers with a maximum gross mass not exceeding 25 000 kg, intended for repeated use to, from and between offshore installations and ships.

This document specifies only transport-related requirements.

Projektleder: Per Velk

**DS/EN ISO 10855-2:2024**
DKK 470,00
Identisk med ISO 10855-2:2024
og EN ISO 10855-2:2024
**Offshorecontainere og tilhørende løftebeslag – Del 2: Konstruktion, fremstilling og mærkning af løftebeslag**
This document specifies requirements for lifting sets for use with containers in offshore service, including technical requirements, marking and statements of conformity for single and multi-leg slings, including chain slings and wire rope slings.

Projektleder: Per Velk

**DS/EN ISO 10855-3:2024**
DKK 665,00
Identisk med ISO 10855-3:2024
og EN ISO 10855-3:2024
**Offshorecontainere og tilhørende løftebeslag – Del 3: Periodisk inspektion, undersøgelse og afprøvning**
This document specifies requirements for the periodic inspection, examination and testing of offshore containers, built in accordance with ISO 10855-1 and with a maximum gross mass not exceeding 25 000 kg, and their associated lifting sets, intended for repeated use to, from and between offshore installations and ships. Inspection requirements following damage and repair of offshore containers are also included.

Projektleder: Per Velk

**DS/ISO 10855-2:2024**
DKK 470,00
Identisk med ISO 10855-2:2024
**Offshorecontainere og tilhørende løftebeslag – Del 2: Konstruktion, fremstilling og mærkning af løftebeslag**
This document specifies requirements for lifting sets for use with containers in offshore service, including technical requirements, marking and statements of conformity for single and multi-leg slings, including chain slings and wire rope slings.

Projektleder: Per Velk

**DS/ISO 10855-3:2024**
DKK 575,00
Identisk med ISO 10855-3:2024
**Offshorecontainere og tilhørende løftebeslag – Del 3: Periodisk inspektion, undersøgelse og afprøvning**
This document specifies requirements for the periodic inspection, examination and testing of offshore containers, built in accordance with ISO 10855-1 and with a maximum gross mass not exceeding 25 000 kg, and their associated lifting sets, intended for repeated use to, from and between offshore installations and ships. Inspection requirements following damage and repair of offshore containers are also included.

Projektleder: Per Velk

## 59.140.30
**Læder og pelse**
Leather and furs

### Offentliggjorte forslag

**DSF/ISO/DIS 2417**
**Deadline: 2025-02-15**
Relation: ISO
Identisk med ISO/DIS 2417
**Læder – Fysiske og mekaniske prøvninger – Bestemmelse af statisk vandabsorption**
ISO 2417:2016 specifies a method for determining the water absorption of leather under static conditions. The method is applicable to all leather, particularly heavy leather.
**DSF/ISO/DIS 25202**
**Deadline: 2025-02-09**
Relation: ISO
Identisk med ISO/DIS 25202
**Læder – Kemisk analyse – Bestemmelse af glutaraldehydindhold**
This document specifies a method for the determination of free and released glutaraldehyde in leathers, using liquid chromatography (LC).
**DSF/prEN ISO 25202**
**Deadline: 2025-02-19**
Relation: CEN
Identisk med ISO/DIS 25202
og prEN ISO 25202
**Læder – Kemisk analyse – Bestemmelse af glutaraldehydindhold**
This international standard specifies a method for the determination of the content of Leather.

This method is based on high performance liquid chromatography (HPLC). It is selective and not sensitive to coloured extracts.

Projektleder: Mette Juul Sandager

## 61.020
**Tøj**
Clothes

### Nye Standarder

**DS/EN 17487:2024**
DKK 525,00
Identisk med EN 17487:2024
**Beskyttelsesbeklædning – Beskyttende beklædningsgenstande behandlet med permethrin til beskyttelse mod flåter**
This document specifies requirements for garments that support the protection against tick bites. The document applies to body covering garments (at least covering the torso, arms and legs) where protection against tick bites, which is provided by garments as physical barriers, is reinforced by industrial treatment with the biocide permethrin of the fabrics, fibres or yarns prior to confection. The specified requirements focus on prevention of bites by the nymph stage of the tick Ixodes ricinus, which is the most relevant stage and species for public and occupational health in Europe.

This document specifies requirements and the tests for garments containing permethrin to provide sufficient assistance in

protection against tick bites, and to be durable and safe for the user.

NOTE 1 – Non-permethrin containing garments covering the torso, arms and legs and feet offer some protection against tick bites, but are insufficient under high exposure to ticks, which can crawl over the fabric to reach bare skin and bite. Garments that comply with this document and cover at least torso, arms and legs to counter ticks from crawling over the fabric to reach bare skin and bite thereby provide substantial protection.

NOTE 2 – The importance of following manufacturers laundering instructions to prevent early deterioration of the effect of permethrin treatment is stressed throughout the document.

Projektleder: Merete Westergaard Bennick

## 65.020.30
**Husdyravl og –opdræt * Herunder hygiejnekontrol * Veterinærmedicin se 11.220**

Animal husbandry and breeding

### Nye Standarder

**DS/EN 17984-6:2024**
DKK 355,00
Identisk med EN 17984-6:2024
**Servicehunde – Del 6: Tilgængelighed og universel adgang**

This document specifies requirements and recommendations for the accessibility of public and private spaces and universal access for assistance dog teams in an active status.

The accessibility requirements and recommendations for assistance dog teams in this document are applicable across the full spectrum of the built environment both indoor and outdoor (e.g. social service, medical and educational facilities, public institutions, cultural venues, sporting venues, hotel accommodation, public transport, parks, nature reserves).

The purpose of this document is to improve the accessibility for assistance dog teams ensuring their rights under the United Nations Convention on the Rights of Persons with Disabilities, so that they have the same opportunities as all citizens and can participate independently in all areas of life.

This document provides:

- specific requirements of assistance dog teams to support accessibility and to achieve universal access;

- responsibilities of assistance dog teams to enhance the public acceptance of assistance dogs;

- guidance for specific services and areas to be accessed;

- guidance for the implementation of accessibility measures at public and private bodies responsible for the built environment including transport and travel systems.

This document includes all private spaces where the public are generally admitted, or where the public can be accommodated (e.g. office buildings, waiting rooms, common areas of apartment buildings).

This document can be applied to improve accessibility of assistance dog teams in the workplace.

This document can be applied to assistance dogs in training and puppies preparing for an assistance dog role.

Projektleder: Lærke Høllund

## 65.040.30
**Drivhuse og andre installationer**

Greenhouses and other installations

### Nye Standarder

**DS/EN 13031-2:2024**
DKK 470,00
Identisk med EN 13031-2:2024
**Væksthuse: Dimensionering og konstruktion – Del 2: Væksthuse i havecentre åbne for offentligheden**

This document specifies principles and requirements for the determination of controlled snow loads on the transparent cladding of greenhouses open to the public.

This document can be applied either to the greenhouse or only to the transparent cladding system.

Fire resistance-related aspects are not covered in this document.

Projektleder: Pernille Rasmussen

## 65.060.01
**Landbrugsmaskiner og udstyr. Generelt**

Agricultural machines and equipment in general

### Nye Standarder

**DS/ISO 5674:2024**
DKK 575,00
Identisk med ISO 5674:2024
**Traktorer og maskiner til land- og skovbrug – Rørskærme til kraftoverføringsaksler (PTO) – Styrke- og slidprøvninger og godkendelseskriterier**

This document specifies tests for determining the strength and wear resistance of guards for power take-off (PTO) driveshafts on tractors and machinery used in agriculture and forestry, and their acceptance criteria. It is intended to be used in combination with ISO 5673-1:2005.

It is applicable to the testing of PTO driveshaft guards and their restraining means. It is not applicable to the testing of guards designed and constructed to be used as steps.

This document is not applicable to guards for power take-off drive shafts that are manufactured before the date of publication of this document.

Projektleder: Søren Nielsen

## 65.060.10
**Landbrugstraktorer og landbrugsvogne**

Agricultural tractors and trailed vehicles

### Offentliggjorte forslag

**DSF/ISO/DIS 20019**
**Deadline: 2025-03-01**
Relation: ISO
Identisk med ISO/DIS 20019
**Landbrugsvogne – Mekaniske tilkoblingsanordninger på trukne vogne – Dimensioner på trækøjer**

This International Standard specifies dimensional requirements for the attachment of agricultural, non-balanced trailers and implements by means of hitch rings to the rear of towing vehicles equipped with a hook specified in ISO

6489-1. Its purpose is to ensure the interchangeability of the mechanical connections on agricultural towed vehicles.

This International Standard is applicable to rings whose coupling point is below the centre-line of the rear axle and the power take-off (PTO) of the tractor.

NOTE – Other International Standards are to be developed for rings above the PTO coupling.

Projektleder: Søren Nielsen

## 65.080
**Gødning**

Fertilizers

### Nye Standarder

**DS/EN 17700-1:2024**
DKK 470,00
Identisk med EN 17700-1:2024
**Biostimulanter til planter – Deklarering – Del 1: Generelle principper**

This document specifies the general principles for justifying the product claims for plant biostimulants. It is applicable to all claims and all types of application of plant biostimulants.

General principles define all general parameters, requirements and quality criteria to be applied in order to assess trials conducted to validate the claim(s) associated with the use of a plant biostimulant.

This document is aimed primarily at manufacturers, laboratories, researchers, technical centres and companies that intend to place plant biostimulants on the market, as well as notifying authorities, notified bodies, and market surveillance authorities.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17700-2:2024**
DKK 320,00
Identisk med EN 17700-2:2024
**Biostimulanter til planter – Deklarering – Del 2: Effektiv brug af næringsstof som resultat af brugen af biostimulanter til planter**

This document gives guidance on a consistent approach to justify the claims associated with the use of plant biostimulants.

This document is aimed primarily at manufacturers, laboratories, researchers,

technical centres, and companies that intend to place plant biostimulants on the market, as well as notifying authorities, notified bodies, and market surveillance authorities.

To be in compliance with this standard, it is important to also follow the recommendations and quality criteria described in the standard EN 17700-1:2024 on general principles to demonstrate plant biostimulant claims.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17700-3:2024**

DKK 355,00

Identisk med EN 17700-3:2024

**Biostimulanter til planter – Deklarering – Del 3: Tolerance over for abiotisk stress som resultat af brugen af biostimulanter til planter**

This document gives guidance on a consistent approach to justify the claims associated with the use of plant biostimulants.

This document is aimed primarily at manufacturers, laboratories, researchers, technical centres, and companies that intend to place plant biostimulants on the market, as well as notifying authorities, notified bodies, and market surveillance authorities.

To be in compliance with this standard, it is important to also follow the recommendations and quality criteria described in the standard EN 17700-1:2024 on general principles to demonstrate plant biostimulant claims.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17700-4:2024**

DKK 355,00

Identisk med EN 17700-4:2024

**Biostimulanter til planter – Deklarering – Del 4: Bestemmelse af kvalitetsegenskaber som resultat af brugen af biostimulanter til planter**

This document gives guidance on a consistent approach to justify the claims associated with the use of plant biostimulants.

This document is aimed primarily at manufacturers, laboratories, researchers, technical centres and companies that intend to place plant biostimulants on the market, as well as notifying authorities, notified bodies, and market surveillance authorities.

To be in compliance with this standard, it is important to also follow the recommendations and quality criteria described in the standard EN 17700-1:2024 on general principles to demonstrate plant biostimulant claims.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17700-5:2024**

DKK 355,00

Identisk med EN 17700-5:2024

**Biostimulanter til planter – Deklarering – Del 5: Bestemmelse af tilgængelighed af indeholdte næringsstoffer i jorden eller rhizosfæren**

This document gives guidance on a consistent approach to justify the claims associated with the use of plant biostimulants.

This document is aimed primarily at manufacturers, laboratories, researchers, technical centres, and companies that intend to place plant biostimulants on the market, as well as notifying authorities, notified bodies, and market surveillance authorities.

To be in compliance with this standard, it is important to also follow the recommendations and quality criteria described in the standard EN 17700-1:2024 on general principles to demonstrate plant biostimulant claims.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17701-1:2024**

DKK 320,00

Identisk med EN 17701-1:2024

**Biostimulanter til planter – Bestemmelse af specifikke elementer – Del 1: Oplukning med kongevand til efterfølgende bestemmelse af elementer**

This document specifies the method for the digestion of different plant biostimulants with aqua regia to enable a subsequent determination of arsenic (As), cadmium (Cd), copper (Cu), chromium (Cr), mercury (Hg), nickel (Ni), lead (Pb) and zinc (Zn). The method can be also applied for determination of other elements. The method is applicable for all solid and/or liquid plant biostimulants.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Inhibitors, Plant Biostimulants, and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

The digests are suitable for analysis using EN 17701-2:2024 (ICP-AES) and EN 17701-3:2024 (Hg analysis).

NOTE – Alternatively, inductively coupled plasma mass spectrometry (ICP-MS) can be used for the determination of the elements in the aqua regia digests if the user proves that the method gives the same results.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17701-2:2024**

DKK 470,00

Identisk med EN 17701-2:2024

**Biostimulanter til planter – Bestemmelse af specifikke elementer – Del 2: Bestemmelse af totalindhold af Cd, Pb, Ni, As, Cr, Cu og Zn**

This document specifies a method for the determination of total contents of arsenic (As), cadmium (Cd), copper (Cu), chromium (Cr), lead (Pb), nickel (Ni) and zinc (Zn) in aqua regia plant biostimulant digests using inductively coupled plasma-atomic emission spectrometry (ICP-AES).

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Inhibitors, Plant Biostimulants, and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

This method is applicable to aqua regia digests prepared according to EN 17701-1:2024. The method can be used for the determination of other elements, provided the user has verified the applicability.

NOTE – Alternatively, inductively coupled plasma mass spectrometry (ICP-MS) can be used for the determination of the elements in the aqua regia digests if the user proves that the method gives the same results.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17701-3:2024**

DKK 355,00

Identisk med EN 17701-3:2024

**Biostimulanter til planter – Bestemmelse af specifikke elementer – Del 3: Bestemmelse af kviksølv**

This document specifies a method for determination of the content of mercury (Hg) in plant biostimulants using (cold) vapour generation apparatus coupled to an atomic absorption spectrophotometer and a method using a direct amalgamation technique. It is applicable to aqua regia digests prepared according to EN 17701-1:2024.

NOTE – It is also possible to use other suitable methods for the determination of mercury described in Annex A if users prove that the method gives the same results as the methods described in this document.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Inhibitors, Plant Biostimulants, and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17702-1:2024**
DKK 575,00
Identisk med EN 17702-1:2024
**Biostimulanter til planter – Prøvetagning og -forberedelse – Del 1: Prøvetagning**
This document specifies sampling plans and methods of representative sampling of plant biostimulants to obtain samples for physical, chemical and biological analysis.
It is applicable to the sampling of batches of plant biostimulants supplied or ready for supply to third parties, as such, or in smaller batches.
This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products: Fertilizers/ Liming Materials/Soil Improvers/Growing Media/Inhibitors/Plant Biostimulants, and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.
This document is intended to be used by manufacturers, buyers and competent authorities to obtain samples prior to transport and supply it to a laboratory for testing.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17702-2:2024**
DKK 320,00
Identisk med EN 17702-2:2024
**Biostimulanter til planter – Prøvetagning og prøveforberedelse – Del 2: Prøveforberedelse**
This document specifies methods for the reduction and preparation of samples of non-microbial plant biostimulants and sets out the requirements for sample preparation reports. It specifies methods for the preparation of test samples and test portions from laboratory samples of plant biostimulants for subsequent chemical, biological or physical analysis.
This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products: Fertilizers/ Liming Materials/Soil Improvers/Growing Media/Inhibitors/Plant Biostimulants, and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.
This document does not include methods for the reduction and preparation of samples of microbial plant biostimulants and samples intended for determination of microbial pathogens, which will be covered by a different European Standard.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17703:2024**
DKK 440,00
Identisk med EN 17703:2024
**Biostimulanter til planter – Bestemmelse af chrom(VI)**
This document specifies a method for verifying that hexavalent chromium (Cr(VI)) is not present in plant biostimulants.
This document is applicable to all types of plant biostimulants (solid and liquid) used in agriculture.
The method specified is suitable to quantify the chromium(VI) content in plant biostimulants down to 2 mg/kg.
The results obtained from this method are strictly dependent on the extraction conditions. Results obtained by using other extraction procedures (extraction solution, pH, extraction time, etc.) are not comparable with the results produced by the procedure specified in this document.
This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Inhibitors, Plant Biostimulants and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17704:2024**
DKK 320,00
Identisk med EN 17704:2024
**Biostimulanter til planter – Bestemmelse af tørstof**
This document specifies the procedure for the determination of dry residue and calculation of the dry matter fraction of plant biostimulants for which the results of performed analysis are to be calculated to the dry matter basis.
This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Inhibitors, Plant Biostimulants, and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17705:2024**
DKK 355,00
Identisk med EN 17705:2024
**Biostimulanter til planter – Bestemmelse af fosfonater**
This document specifies a method for the extraction and determination of phosphonates (P-PO3) in plant biostimulants using ion chromatography and conductivity detection (IC-CD).
This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Inhibitors, Plant Biostimulants, and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17706:2024**
DKK 440,00
Identisk med EN 17706:2024
**Biostimulanter til planter – Bestemmelse af uorganisk arsenik**
This document specifies a method for extraction, separation, and determination of inorganic arsenic (iAs) in plant biostimulants using anion-exchange high performance liquid chromatography (HPLC) or ion chromatography (IC) coupled to ICP-MS.
This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Inhibitors, Plant Biostimulants, and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17707:2024**
DKK 440,00
Identisk med EN 17707:2024
**Biostimulanter til planter – Bestemmelse af indhold af gær- og skimmelsvampe**
This document specifies a horizontal method for the enumeration of yeasts and

moulds present in plant biostimulants intended for use in agriculture, by means of the colony count technique after aerobic incubation at 25 °C ± 2,5 °C.

This document allows the enumeration of yeasts and moulds, in technical and formulated plant biostimulants, both in liquid and solid states. The method is applicable to microbial plant biostimulants except those composed of fungi or yeasts.

If necessary, yeasts and moulds enumerated can be identified using suitable identification tests.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants, and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17708:2024**
DKK 440,00
Identisk med EN 17708:2024
**Biostimulanter til planter – Forberedelse af prøve til mikrobiel analyse**

This document specifies general rules for the aerobic preparation of the initial suspension and of dilutions for microbiological examinations of microbial plant biostimulants.

This horizontal method might not be applicable in very detail for certain products. In this case, different methods which are specific to these products can be used if necessary, for justified technical reasons.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulant and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17709:2024**
DKK 355,00
Identisk med EN 17709:2024
**Biostimulanter til planter – Bestemmelse af Azotobacter spp.**

This document was developed to provide the methodology for the enumeration and determination of Azotobacter spp. [2] [3] in microbial plant biostimulants in accordance with the Regulation (EU) 2019/1009 of the European Parliament and of the Council [1].

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17710:2024**
DKK 575,00
Identisk med EN 17710:2024
**Biostimulanter til planter – Påvisning af Listeria monocytogenes**

This document specifies a method for the detection of Listeria monocytogenes in microbial plant biostimulants.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17711:2024**
DKK 665,00
Identisk med EN 17711:2024
**Biostimulanter til planter – Påvisning af Vibrio spp**

This document specifies a horizontal method for the detection of enteropathogenic Vibrio species (spp.), which causes human illness in or via the intestinal tract. The species detectable by the methods specified include Vibrio parahaemolyticus, Vibrio cholerae and Vibrio vulnificus.

It is applicable to the microbial plant biostimulants.

NOTE 1 – The World Health Organization (WHO) has identified that V. parahaemolyticus, V. cholerae and V. vulnificus are the major contaminants of Vibrio spp. [2].

NOTE 2 – For confirmation, it is possible to use PCR (Polymerase Chain Reaction) tests; in this case a validation is carried out by the laboratory for the procedure and data generated.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants, and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17712:2024**
DKK 440,00
Identisk med EN 17712:2024
**Biostimulanter til planter – Påvisning af Staphylococcus aureus**

This document specifies a method to verify that the pathogen Staphylococcus aureus is absent from microbial plant biostimulants. The method is based on the enumeration of coagulase-positive staphylococci in a sample by counting of colonies obtained on a solid medium (Baird-Parker medium) after aerobic incubation at 36 °C ± 2 °C.

This document is applicable to all formulations of microbial plant biostimulants in liquid or solid form. This document is not applicable to other fertilizing products.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17713:2024**
DKK 440,00
Identisk med EN 17713:2024
**Biostimulanter til planter – Bestemmelse af Azospirillum spp.**

This document provides the methodology for the enumeration and determination of Azospirillum spp. in microbial plant biostimulants.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest per-

centage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17714:2024**
DKK 440,00
Identisk med EN 17714:2024
**Biostimulanter til planter – Bestemmelse af mikroorganismers koncentration**
This document specifies the general rules to determine the concentration of microorganisms present in plant biostimulants expressed as the number of active units per volume or weight, or in any other manner that is relevant to the microorganism, e.g. colony forming units per gram (cfu/g).

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants, and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17715:2024**
DKK 575,00
Identisk med EN 17715:2024
**Biostimulanter til planter – Påvisning af Shigella spp**
This document provides a method for verifying that the pathogen Shigella spp. is not present in microbial plant biostimulants.

The detection method for Shigella pathogens is not sensitive and quantification is rarely performed. Detection is usually performed using an enrichment medium followed by subculturing onto a variety of selective media.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17716:2024**
DKK 470,00
Identisk med EN 17716:2024
**Biostimulanter til planter – Bestemmelse af Escherichia coli**
This document gives guidance for the detection and identification of the specified microorganism Escherichia coli in technical and formulated plant biostimulants, both in liquid and solid states, and also the horizontal method for the enumeration of ß-glucuronidase-positive E. coli in plant biostimulants (both in liquid and solid states).

The qualitative method described in this document is based on the detection of E. coli in a non-selective liquid medium (enrichment broth), followed by isolation on a selective agar. Other methods can be appropriate, depending on the level of detection required.

NOTE 1 – For the detection of E. coli, subcultures can be performed on non-selective culture media followed by suitable identification steps (e.g. using identification kits).

The quantitative method described in this document uses a colony-count technique at 44 °C ± 1 °C on a solid medium containing a chromogenic ingredient for detection of the enzyme ß-glucuronidase.

NOTE 2 – Strains of E. coli which do not grow at 44 °C ± 1 °C and, in particular, those that are ß-glucuronidase negative, such as E. coli O157, will not be detected.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants, and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17717:2024**
DKK 470,00
Identisk med EN 17717:2024
**Biostimulanter til planter – Påvisning af Salmonella spp.**
This document specifies a method for the detection of Salmonella spp. in biostimulants.

This document is applicable to all microbial biostimulants in agriculture.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants, and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17718:2024**
DKK 440,00
Identisk med EN 17718:2024
**Biostimulanter til planter – Bestemmelse af Rhizobium spp**
This document provides the methodology for the enumeration and determination of Rhizobiaceae (Rhizobium spp., Mesorhizobium spp., Ensifer spp., Bradyrhizobium spp.).

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17719:2024**
DKK 440,00
Identisk med EN 17719:2024
**Biostimulanter til planter – Bestemmelse af anaerobt kimtal**
This document specifies a horizontal method for the enumeration of microorganisms that are able to grow and form colonies in a solid medium after anaerobic incubation at 30 °C.

The method applies to microbial plant biostimulants, except those composed of aerobic bacteria.

This method does not apply to the microbiological monitoring of the environment in which microbial plant biostimulants are manufactured.

No information about potential human pathogens can be inferred from anaerobic plate counts.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing

products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17720:2024**
DKK 440,00
Identisk med EN 17720:2024
**Biostimulanter til planter – Bestemmelse af Enterococcaceae**
This document specifies a method for the enumeration of enterococci in microbial and non-microbial plant biostimulants. This document specifies a colony-count technique on a selective medium (Slanetz-Bartley agar) with confirmation on Bile Esculin Azide agar.

This document is applicable to all formulations of microbial and non-microbial plant biostimulants in liquid or solid form. This document is not applicable to other fertilizing products.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants, and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17721:2024**
DKK 440,00
Identisk med EN 17721:2024
**Biostimulanter til planter – Bestemmelse af pH for flydende mikrobielle biostimulanter til planter/pH i mikrobielle produkter – Bestemmelse af pH**
This document specifies a method for laboratory measurement of the pH value in liquid microbial plant biostimulants, using pH electrodes with a glass membrane.

This document does not apply to plant biostimulants other than microbial plant biostimulants.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17722:2024**
DKK 665,00
Identisk med EN 17722:2024
**Biostimulanter til planter – Bestemmelse af mykorrhizalsvampe**
This document specifies a horizontal method for the enumeration and genus/species determination [2], [3], [4] of mycorrhizal fungi in microbial plant biostimulants.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Plant Biostimulants and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17723:2024**
DKK 355,00
Identisk med EN 17723:2024
**Biostimulanter til planter – Bestemmelse af klorid**
This document specifies a potentiometric method for the determination of chloride (Cl-) content in the presence or in the absence of organic material. This method is applicable to plant biostimulants.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers, Liming Materials, Soil Improvers, Growing Media, Inhibitors, Plant Biostimulants, and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17724:2024**
DKK 470,00
Identisk med EN 17724:2024
**Biostimulanter til planter – Terminologi**
This document defines terms and definitions referred to in the plant biostimulant field and consists of six subclauses:
3.1 Claims
3.2 Terms relating to components
3.3 Terms relating to the application method
3.4 Terms relating to sampling
3.5 Terms relating to the physical form
3.6 Others terms relating to plant biostimulants

Projektleder: Maria de Freiesleben Christoffersen

**DS/EN 17725:2024**
DKK 440,00
Identisk med EN 17725:2024
**Biostimulanter til planter – Bestemmelse af kvantitet (indikeret ved masse eller volumen)**
This document specifies the methods to be used for the determination of quantity of plant biostimulants sold or offered for sale.

This document specifies the methods to be used for the determination of quantity of solid and liquid forms of plant biostimulants in packages, containers or in bulk.

This document is not applicable to the quantity determination of: inorganic, organic and organo-mineral fertilizers, liming materials, inhibitors, soil improvers and growing media.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products categories: Fertilizers and Plant Biostimulants, and where the following category Plant Biostimulants is the highest % in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest % in the blend, the European Standard for the highest % of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations , the user decides which standard to apply.

Projektleder: Maria de Freiesleben Christoffersen

## 65.150
**Fisk og fiskeopdræt**
Fishing and fish breeding

### Nye Standarder

**DS/CEN/TS 18101:2024**
DKK 355,00
Identisk med CEN/TS 18101:2024
**Cirkulært design af fiskegrej og akvakulturudstyr – Termer og definitioner**
This document provides the terms and definitions applicable to the circular design of fishing gear and aquaculture equipment.

This document also contains the list of abbreviations used in the EN 17988 series.

Projektleder: Pernille Rasmussen

**DS/EN 17988-1:2024**
DKK 440,00
Identisk med EN 17988-1:2024
**Cirkulært design af fiskegrej og akvakulturudstyr – Del 1: Generelle krav og retningslinjer**
This document gives guidance on the general principles of circular design for fishing gear and aquaculture equipment containing plastics. It specifies the general requirements, recommendations and guidelines for establishing a circular economy for these products.
This document also identifies stakeholders and their relationships in a general context.

Projektleder: Pernille Rasmussen

**DS/EN 17988-2:2024**
DKK 575,00
Identisk med EN 17988-2:2024
**Cirkulært design af fiskegrej og akvakulturudstyr – Del 2: Brugermanual og mærkning**
This document specifies the requirements for the user manuals and labelling that accompany circular designed fishing gear and aquaculture equipment containing plastics, to ensure traceability and proper management during the lifetime of its components.

Projektleder: Pernille Rasmussen

**DS/EN 17988-3:2024**
DKK 320,00
Identisk med EN 17988-3:2024
**Cirkulært design af fiskegrej og akvakulturudstyr – Del 3: Tekniske krav og retningslinjer**
This document specifies technical requirements and recommendations for the components of fishing gear and aquaculture equipment containing plastics.
This document establishes the material principles and processes that enhance the circularity and recycling of components and the materials comprising the components, taking into account the impact of such requirements on utility.
The technical requirements for the design of fishing gear and aquaculture equipment focus on:
- Development and selection of materials and components;
- Manufacture, assembly and disassembly;
- Use and maintenance;
- Repair, re-manufacturing and refurbishment;
- Storage, transport; and
- End-of-life including recycling.
This document excludes design aspects related to enhancement of the capture of fisheries.

Projektleder: Pernille Rasmussen

**DS/EN 17988-4:2024**
DKK 440,00
Identisk med EN 17988-4:2024
**Cirkulært design af fiskegrej og akvakulturudstyr – Del 4: Miljø- og cirkularitetskrav og -retningslinjer**
This document specifies the environmental and circularity requirements for the components of fishing gear and aquaculture equipment containing plastics. It establishes sustainability principles that minimize the negative impact of the plastic components of fishing gear and aquaculture equipment on the environment, taking into account the impact on its performance (e.g. catchability or life span). The circular and environmental design of fishing gear and aquaculture equipment focuses on:
– The selection and sourcing of materials and components;
– manufacture and assembly;
– placement, installation and deployment of the fishing gear and aquaculture equipment;
– use and maintenance repair; and
– the end-of-use stage.
Transport, storage and distribution are taken into account at the different stages, where applicable.
This document excludes design aspects related to fishing or aquaculture techniques or management.

Projektleder: Pernille Rasmussen

**DS/EN 17988-5:2024**
DKK 440,00
Identisk med EN 17988-5:2024
**Cirkulært design af fiskegrej og akvakulturudstyr – Del 5: Cirkulær forretningsmodel**
This document provides guidelines and fundamental principles for the development of circular business models for fishing gear and aquaculture equipment containing plastics.
It discusses opportunities for value retention, product life extension and recycling of fishing gear and aquaculture equipment.

Projektleder: Pernille Rasmussen

**DS/EN 17988-6:2024**
DKK 355,00
Identisk med EN 17988-6:2024
**Cirkulært design af fiskegrej og akvakulturudstyr – Del 6: Krav og retningslinjer for digitalisering af information om komponenter i fiskegrej og akvakulturudstyr**
This document specifies requirements and guidelines for the hardware and software used for digitalization of product information of circular designed fishing gear and aquaculture equipment containing plastics.

Projektleder: Pernille Rasmussen

## 67.180.10
**Sukker og sukkerprodukter**
Sugar and sugar products

### Nye Standarder

**DS/EN 17958:2024**
DKK 355,00
Identisk med EN 17958:2024
**Fødevareautenticitet – Bestemmelse af δ13C-værdien af mono- (fruktose og glukose), di- og trisakkarider i honning ved LC-IRMS**
This document specifies a method for the determination of the ratio of stable isotopes of carbon (13C/12C) of sugars contained in honey by using liquid chromatography coupled to an isotope ratio mass spectrometer (LC-IRMS) for compound separation and subsequent determination of the 13C/12C ratio of mono-, di-, and trisaccharides. These ratios can be used to assess honey authenticity by comparing them to guidance values of genuine honey, which have been previously agreed by subject matter experts, as the 13C/12C ratios of sugars of genuine honey and sugars contained in adulterants (syrups made from starch-rich plants or from sugar cane or sugar beet) differ to a certain extent.
The compliance assessment process is not part of this document.

Projektleder: Carina Dalager

## 67.180.20
**Stivelse og deraf afledte produkter**
Starch and derived products

### Nye Standarder

**DS/EN 17958:2024**
DKK 355,00
Identisk med EN 17958:2024
**Fødevareautenticitet – Bestemmelse af δ13C-værdien af mono- (fruktose og glukose), di- og trisakkarider i honning ved LC-IRMS**
This document specifies a method for the determination of the ratio of stable isotopes of carbon (13C/12C) of sugars contained in honey by using liquid chromatography coupled to an isotope ratio mass spectrometer (LC-IRMS) for compound separation and subsequent determination of the 13C/12C ratio of mono-, di-, and trisaccharides. These ratios can be used to assess honey authenticity by comparing them to guidance values of genuine honey, which have been previously agreed by subject matter experts, as the 13C/12C ratios of sugars of genuine honey and sugars contained in adulterants (syrups made from starch-rich plants or from sugar cane or sugar beet) differ to a certain extent.
The compliance assessment process is not part of this document.

Projektleder: Carina Dalager

## 67.250
**Materialer og genstande i kontakt med levnedsmidler**
Materials and articles in contact with foodstuffs

### Nye Standarder

**DS/EN 10333:2024**
DKK 355,00
Identisk med EN 10333:2024
**Stål til emballage – Produkter af fladstål beregnet til anvendelse i forbindelse med fødevarer, produkter eller drikkevarer til mennesker og dyr – Fortinnet stål (hvidblik)**
This document specifies the composition of the base steel used for the production of tinplate for use in direct contact with foodstuffs or products for human and animal consumption as well as the composition of tin used to coat it. Tinplate can be produced with or without an organic coating.

The main examples of use are:
- drinks cans,
- food cans,
- packaging of dry foods,
- aerosol cans.

The material is chosen in accordance with the conditions for its use.

This document does not apply to categories of steel other than steel for packaging intended for use in contact with foodstuffs, products or beverages for human or animal consumption.

Projektleder: Erling Richard Trudsø

## 71.100.35
**Kemikalier til brug ved desinfektion i industrien og private husholdninger**

Chemicals for industrial and domestic disinfection purposes

### Offentliggjorte forslag

**DSF/prEN 1656**
**Deadline: 2025-02-17**

Relation: CEN

Identisk med prEN 1656

**Kemiske desinfektionsmidler og antiseptika – Kvantitativ suspensionsprøvning til evaluering af desinfektionsmidlers og antiseptikas antimikrobielle effekt over for vegetative bakterier inden for veterinærområdet – Prøvningsmetode og krav (fase 2/trin 1)**

This document specifies a test method and the minimum requirements for bactericidal activity of chemical disinfectant and antiseptic products that form a homogeneous, physically stable preparation when diluted with hard water or – in the case of ready-to-use products – with water. Products can only be tested at a concentration of 80 % or less, as some dilution is always produced by adding the test organisms and interfering substance.

The method described is intended to determine the activity of commercial formulations or active substances under the conditions in which they are used. This document applies to products that are used for equipment disinfection by immersion, surface disinfection by wiping, spraying, flooding or other means and teat disinfection in the veterinary area – e.g. in the breeding, husbandry, production, veterinary care facilities, transport and disposal of all animals except when in the food chain following death and entry into processing industry. This document also applies to products used for teat disinfection in these veterinary areas.

This method is not applicable to evaluate the activity of hand hygiene products. For these products reference is made to EN 14885, which specifies in detail the relationship of the various tests to one another and to "use recommendations".

NOTE – This method corresponds to a phase 2 step 1 test.

Projektleder: Lærke Høllund

## 71.100.45
**Kølevæsker og frostvæsker**

Refrigerants and antifreezes

### Nye Standarder

**DS/ISO 817:2024**

DKK 665,00

Identisk med ISO 817:2024

**Kølemidler – Betegnelse og sikkerhedsklassifikation**

This document provides an unambiguous system for assigning designations to refrigerants. It also establishes a system for assigning a safety classification to refrigerants based on toxicity and flammability data, and provides a means of determining the refrigerant concentration limit. Tables listing the refrigerant designations, safety classifications, refrigerant concentration limits and data necessary for safe use of the refrigerants are included based on data submitted with the application.

Projektleder: Charlotte Vartou Forsingdal

## 71.100.80
**Kemikalier til rensning af vand**

Chemicals for purification of water

### Nye Standarder

**DS/EN 12122:2024**

DKK 440,00

Identisk med EN 12122:2024

**Kemikalier til behandling af vand anvendt som drikkevand – Ammoniakopløsning**

This document is applicable to ammonia solution used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements of ammonia solution and refers to the corresponding analytical methods. It gives information for its use in water treatment. It also provides basic information relating to safe handling and use of ammonia solution (see Annex B).

Projektleder: Henryk Stawicki

**DS/EN 1302:2024**

DKK 747,00

Identisk med EN 1302:2024

**Kemikalier til behandling af vand anvendt som drikkevand – Aluminiumbaserede koagulanter – Analysemetoder**

This document is applicable to aluminium-based coagulants used for treatment of water intended for human consumption. It specifies analytical methods to be used for products described in EN 878, EN 882, EN 885, EN 886, EN 887, EN 935 and EN 17034.

Projektleder: Henryk Stawicki

## 75.020
**Udvindelse og bearbejdning af olie og naturgas**

Extraction and processing of petroleum and natural gas

### Nye Standarder

**DS/ISO 15926-6:2024**

DKK 665,00

Identisk med ISO 15926-6:2024

**Industrielle automationssystemer og integration – Integration af livscyklusdata til procesanlæg inklusive olie- og gasproduktionsanlæg – Del 6: Regler for udvikling og validering af ISO/TS 15926-4-referencedata**

This document specifies technical requirements for the structure and content of a reference data library for ISO/TS 15926-4.

NOTE This document can also be applied to reference data libraries other than ISO/TS 15926-4.

The following are within the scope of this document:

– identification of a reference data item as specified in ISO/TS 15926-4;

– information that defines a reference data item;

– the way identifying and defining information is recorded using ISO 15926-2;

– the reference data library that contains the reference data items necessary to record identification and defining information;

– the representation of the reference data library that is defined by this document as a spreadsheet.

The following are outside the scope of this document:

– administrative information about the source, the history of changes, and the current status of a reference data item and a reference data library;

– the way administrative information is recorded using ISO 15926-2;

– the reference data library that contains the reference data items necessary to record administrative information;

– defining the scope of reference data libraries within the ISO 15926 series;

– methods and guidelines for implementing ISO 15926-2;

– procedures for maintaining reference data libraries;

– requirements for the representation of a proprietary reference data library.

Projektleder: Søren Lütken Storm

## 75.060
**Naturgas**
Natural gas

### Offentliggjorte forslag

**DSF/ISO/DIS 6974-4**
**Deadline: 2025-01-21**
Relation: ISO
Identisk med ISO/DIS 6974-4
**Naturgas – Bestemmelse af sammensætning med defineret usikkerhed ved gaskromatografi – Del 4: Vejledning i gasanalyse**
This document gives guidance for obtaining the best analysis results possible from a Gas Chromatograph (GC) when analysing natural gas and natural gas substitutes for combined use with the most recent versions of ISO 6974's part 1, 2 and 3. (Examples are given.)

Projektleder: Birgitte Ostertag

## 75.080
**Olieprodukter generelt**
Petroleum products in general

### Nye Standarder

**DS/EN 15553:2021+A1:2024**
DKK 440,00
Identisk med EN 15553:2021+A1:2024
**Olieprodukter og relaterede materialer – Bestemmelse af kulbrintetyper – Adsorptionsmetode med fluorescerende indikator**
This document specifies a fluorescent indicator adsorption method for the determination of hydrocarbon types over the concentration ranges from 5 % (V/V) to 99 % (V/V) aromatic hydrocarbons, 0,3 % (V/V) to 55 % (V/V) olefins, and 1 % (V/V) to 95 % (V/V) saturated hydrocarbons in petroleum fractions that distil below 315 °C. This method can apply to concentrations outside these ranges, but the precision has not been determined.

When samples containing oxygenated blending components are analysed, the hydrocarbon type results can be reported on an oxygenate-free basis or, when the oxygenate content is known, the results can be corrected to a total-sample basis.

This test method is applicable to full boiling range products. Cooperative data have established that the precision statement does not apply to petroleum fractions with narrow boiling ranges near the 315 °C limit. Such samples are not eluted properly, and results are erratic.

It does not apply to samples containing dark-coloured components that interfere with reading the chromatographic bands that cannot be analysed.

NOTE 1 – The oxygenated blending components methanol, ethanol, tert-butyl methyl ether (MTBE), methyl tert-pentyl ether (TAME) and tert-butyl ethyl ether (ETBE) do not interfere with the determination of hydrocarbon types at concentrations normally found in commercial petroleum blends. These oxygenated compounds are not detected since they elute with the alcohol desorbent. The effects of other oxygenated compounds are individually verified.

NOTE 2 – For the purposes of this document, the terms "% (m/m)" and "% (V/V)" are used to represent respectively the mass fraction and the volume fraction.

WARNING – The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Projektleder: Alexander Mollan Bohn Christiansen

## 75.100
**Smøremidler, industriolier og beslægtede produkter**
Lubricants, industrial oils and related products

### Offentliggjorte forslag

**DSF/ISO/DIS 12940-1**
**Deadline: 2025-02-09**
Relation: ISO
Identisk med ISO/DIS 12940-1
**Olieprodukter og smøremidler – Bestemmelse af smørefedts mekaniske stabilitet ved rulningsmodstand – Del 1: Prøvning i tør tilstand**
This document specifies a method for evaluating the change of consistency, as measured by cone penetration, of lubricating grease when worked in the roll stability test apparatus. The method only applies to greases with cone penetration in the range 175 1/10 mm to 385 1/10 mm as measured using ISO 2137.

Projektleder: Birgitte Ostertag

**DSF/ISO/DIS 12940-2**
**Deadline: 2025-02-09**
Relation: ISO
Identisk med ISO/DIS 12940-2
**Olieprodukter og smøremidler – Bestemmelse af smørefedts mekaniske stabilitet ved rulningsmodstand – Del 2: Prøvning i våd tilstand**
This document specifies a method for evaluating the change of consistency, as measured by cone penetration, of lubricating grease when worked in the roll stability test apparatus, in presence of water. The method only applies to greases with cone penetration in the range 175 1/10 mm to 385 1/10 mm as measured using ISO 2137.

Projektleder: Birgitte Ostertag

## 75.180.10
**Udforsknings-, bore- og udvindingsudstyr**
Exploratory, drilling and extraction equipment

### Offentliggjorte forslag

**DSF/ISO 19905-1:2023/DAmd 1**
**Deadline: 2025-02-15**
Relation: ISO
Identisk med ISO 19905-1:2023/DAmd 1
**Olie- og gasindustri inklusive kulstoffattige energiformer – Sitespecifik vurdering af mobile offshoreenheder – Del 1: Jackupplatforme: hævet på siten**
This document specifies requirements and provides recommendation and guidance for the elevated site-specific assessment (SSA-E) of independent leg jack-up units for use in the petroleum and natural gas industries. It addresses:

a) occupied non-evacuated, occupied evacuated and unoccupied jack-ups;

b) the installed (or elevated) phase at a specific site.

It also addresses the requirement that the as-installed condition matches the assumptions used in the assessment.

This document does not address the site-specific assessment of installation and removal (SSA-I).

To ensure acceptable reliability, the provisions of this document form an integrated approach, which is used in its entirety for the site-specific assessment of a jack-up.

When assessing a jack-up operating in regions subject to sea ice and icebergs, it is intended that the assessor supplements the provisions of this document with the relevant provisions relating to ice actions contained in ISO 19906 and procedures for ice management contained in ISO 35104. This document does not address design, transit to and from site, or installation and removal from site.

This document is applicable only to independent leg mobile jack-up units that are structurally sound and adequately maintained, which is normally demonstrated through holding a valid recognized classification society, classification certificate. Jack-ups that do not hold a valid recognized classification society certificate are assessed according to the provisions of ISO 19902, supplemented by methodologies from this document, where applicable.

NOTE 1 Well conductors can be a safety-critical element for jack-up operations. However, the integrity of well conductors is not part of the site-specific assessment process for jack-ups and is, therefore, not addressed in this document. See A.1 for guidance on this topic.

NOTE 2 RCS rules and the IMO MODU code (International Maritime Organisation Mobile Offshore Drilling Unit code) provide guidance for the design of jack-ups.

Projektleder: Per Velk

**DSF/ISO/DIS 16530**
**Deadline: 2025-02-01**

Relation: ISO

Identisk med ISO/DIS 16530

**Olie- og gasindustri inklusive kulstoffattige energiformer – Brøndintegritet – Livscyklusstyring**

ISO 16530-1:2017 is applicable to all wells that are operated by the petroleum and natural gas industry. This document is applicable to any well, or group of wells, regardless of their age, location (including onshore, subsea and offshore wells) or type (e.g. naturally flowing, artificial lift, injection wells).

ISO 16530-1:2017 is intended to assist the petroleum and natural gas industry to effectively manage well integrity during the well life cycle by providing:

- minimum requirements to ensure management of well integrity; and

- recommendations and techniques that well operators can apply in a scalable manner based on a well's specific risk characteristics.

Assuring well integrity comprises two main building blocks: the first is to ensure well integrity during well design and construction, and the second is to manage well integrity throughout the remaining well life thereafter.

This document addresses each stage of the well life cycle, as defined by the six phases in a) to f), and describes the deliverables between each phase within a Well Integrity Management system.

a) The "Basis of Design Phase" identifies the probable safety and environmental exposure to surface and subsurface hazards and risks that can be encountered during the well life cycle. Once identified, these hazards and risks are assessed such that control methods of design and operation can be developed in subsequent phases of the well life cycle.

b) The "Design Phase" identifies the controls that are to be incorporated into the well design, such that appropriate barriers can be established to manage the identified safety and environmental hazards. The design addresses the expected, or forecasted, changes during the well life cycle and ensures that the required barriers in the well's design are based on risk exposure to people and the environment.

c) The "Construction Phase" defines the required or recommended elements to be constructed (including rework/repair) and verification tasks to be performed in order to achieve the intended design. It addresses any variations from the design which require a revalidation against the identified hazards and risks.

d) The "Operational Phase" defines the requirements or recommendations and methods for managing well integrity during operation.

e) The "Intervention Phase" (including work-over) defines the minimum requirements or recommendations for assessing well barriers prior to, and after, any well intervention that involves breaking the established well barrier containment system.

f) The "Abandonment Phase" defines the requirements or recommendations for permanently abandoning a well.

The six phases of the well life cycle, as defined in this Scope, and their interrelationships, are illustrated in Figure 1 in the Introduction.

ISO 16530-1:2017 is not applicable to well control. Well control refers to activities implemented to prevent or mitigate unintentional release of formation fluids from the well to its surroundings during drilling, completion, intervention and well abandonment operations, and involves dynamic elements, i.e. BOPs, mud pumps, mud systems, etc.

ISO 16530-1:2017 is not applicable to wellbore integrity, sometimes referred to as "borehole stability". Wellbore integrity is the capacity of the drilled open hole to maintain its shape and remain intact after having been drilled.

Projektleder: Per Velk

**DSF/prEN ISO 16530**
**Deadline: 2025-02-12**

Relation: CEN

Identisk med ISO/DIS 16530

og prEN ISO 16530

**Olie- og gasindustri inklusive kulstoffattige energiformer – Brøndintegritet – Livscyklusstyring**

ISO 16530-1:2017 is applicable to all wells that are operated by the petroleum and natural gas industry. This document is applicable to any well, or group of wells, regardless of their age, location (including onshore, subsea and offshore wells) or type (e.g. naturally flowing, artificial lift, injection wells).

ISO 16530-1:2017 is intended to assist the petroleum and natural gas industry to effectively manage well integrity during the well life cycle by providing:

- minimum requirements to ensure management of well integrity; and

- recommendations and techniques that well operators can apply in a scalable manner based on a well's specific risk characteristics.

Assuring well integrity comprises two main building blocks: the first is to ensure well integrity during well design and construction, and the second is to manage well integrity throughout the remaining well life thereafter.

This document addresses each stage of the well life cycle, as defined by the six phases in a) to f), and describes the deliverables between each phase within a Well Integrity Management system.

a) The "Basis of Design Phase" identifies the probable safety and environmental exposure to surface and subsurface hazards and risks that can be encountered during the well life cycle. Once identified, these hazards and risks are assessed such that control methods of design and operation can be developed in subsequent phases of the well life cycle.

b) The "Design Phase" identifies the controls that are to be incorporated into the well design, such that appropriate barriers can be established to manage the identified safety and environmental hazards. The design addresses the expected, or forecasted, changes during the well life cycle and ensures that the required barriers in the well's design are based on risk exposure to people and the environment.

c) The "Construction Phase" defines the required or recommended elements to be constructed (including rework/repair) and verification tasks to be performed in order to achieve the intended design. It addresses any variations from the design which require a revalidation against the identified hazards and risks.

d) The "Operational Phase" defines the requirements or recommendations and methods for managing well integrity during operation.

e) The "Intervention Phase" (including work-over) defines the minimum requirements or recommendations for assessing well barriers prior to, and after, any well intervention that involves breaking the established well barrier containment system.

f) The "Abandonment Phase" defines the requirements or recommendations for permanently abandoning a well.

The six phases of the well life cycle, as defined in this Scope, and their interrelationships, are illustrated in Figure 1 in the Introduction.

ISO 16530-1:2017 is not applicable to well control. Well control refers to activities implemented to prevent or mitigate unintentional release of formation fluids from the well to its surroundings during drilling, completion, intervention and well abandonment operations, and involves dynamic elements, i.e. BOPs, mud pumps, mud systems, etc.

ISO 16530-1:2017 is not applicable to wellbore integrity, sometimes referred to as "borehole stability". Wellbore integrity is the capacity of the drilled open hole to maintain its shape and remain intact after having been drilled.

Projektleder: Per Velk

## 75.200

**Udstyr til håndtering af olie-, olieprodukter og naturgas**

Petroleum, petroleum products and natural gas handling equipment

## Offentliggjorte forslag

**DSF/ISO/DIS 16923**
**Deadline: 2025-02-24**

Relation: ISO

Identisk med ISO/DIS 16923

**Naturgastankstationer – CNG-tankstationer til køretøjer**

ISO 16923:2016 covers the design, construction, operation, inspection and maintenance of stations for fuelling compressed natural gas (CNG) to vehicles, including equipment, safety and control devices.

ISO 16923:2016 also applies to portions of a fuelling station where natural gas is in a gaseous state and dispensing CNG derived from liquefied natural gas (LCNG) according to ISO 16924.

ISO 16923:2016 applies to fuelling stations supplied with natural gas as defined in local applicable gas composition regulations or ISO 13686. It also applies to other gases meeting these requirements including biomethane, upgraded coal-bed methane (CBM) and gas supplies coming from LNG vaporization (on-site or off-site).

ISO 16923:2016 includes all equipment for downstream gas supply connection (i.e. point of separation between the CNG fuelling station piping and the pipeline

network). Fuelling station nozzles are not defined in this document.

ISO 16923:2016 covers fuelling stations with the following characteristics:

- slow fill;
- fast fill;
- private access;
- public access (self-service or assisted);
- fuelling stations with fixed storage;
- fuelling stations with mobile storage (daughter station);
- multi-fuel stations.

ISO 16923:2016 is not applicable to domestic CNG fuelling devices without buffer storage.

NOTE – ISO 16923:2016 is based on the condition that the gas entering the fuelling station is odorized. For unodorized gas fuelling stations, additional safety requirements are included in Clause 10.

Projektleder: Birgitte Ostertag

**DSF/ISO/DIS 16924**
**Deadline: 2025-02-18**

Relation: ISO

Identisk med ISO/DIS 16924

**Fyldestationer til tankning af naturgas – LNG-tankstationer til køretøjer**

ISO 16924:2016 specifies the design, construction, operation, maintenance and inspection of stations for fuelling liquefied natural gas (LNG) to vehicles, including equipment, safety and control devices.

ISO 16924:2016 also specifies the design, construction, operation, maintenance and inspection of fuelling stations for using LNG as an onsite source for fuelling CNG to vehicles (LCNG fuelling stations), including safety and control devices of the station and specific LCNG fuelling station equipment.

NOTE – Specific CNG equipment is dealt with in ISO 16923.

ISO 16924:2016 is applicable to fuelling stations receiving LNG and other liquefied methane-rich gases that comply with local applicable gas composition regulation or with the gas quality requirements of ISO 13686.

ISO 16924:2016 includes all equipment from the LNG storage tank filling connection up to the fuelling nozzle on the vehicle. The LNG storage tank filling connection itself and the vehicle fuelling nozzle are not covered in this document.

ISO 16924:2016 includes fuelling stations having the following characteristics:

- private access;
- public access (self-service or assisted);
- metered dispensing and non metered dispensing;
- fuelling stations with fixed LNG storage;
- fuelling stations with mobile LNG storage;
- movable fuelling stations;
- mobile fuelling stations;
- multi-fuel stations.

Projektleder: Birgitte Ostertag

**DSF/ISO/DIS 21809-2**
**Deadline: 2025-02-08**

Relation: ISO

Identisk med ISO/DIS 21809-2

**Olie- og gasindustri inklusive kulstoffattige energiformer – Udvendig belægning til nedgravede eller nedsænkede rørledninger – Del 2: Etlags FBE-belægninger**

ISO 21809-2:2014 specifies the requirements for qualification, application, testing and handling of materials for plant application of single layer fusion-bonded epoxy (FBE) coatings applied externally for the corrosion protection of bare steel pipe for use in pipeline transportation systems for the petroleum and natural gas industries as defined in ISO 13623.

Projektleder: Per Velk

**DSF/prEN ISO 16923**
**Deadline: 2025-02-26**

Relation: CEN

Identisk med ISO/DIS 16923

og prEN ISO 16923

**Naturgastankstationer – CNG-tankstationer til køretøjer**

ISO 16923:2016 covers the design, construction, operation, inspection and maintenance of stations for fuelling compressed natural gas (CNG) to vehicles, including equipment, safety and control devices.

ISO 16923:2016 also applies to portions of a fuelling station where natural gas is in a gaseous state and dispensing CNG derived from liquefied natural gas (LCNG) according to ISO 16924.

ISO 16923:2016 applies to fuelling stations supplied with natural gas as defined in local applicable gas composition regulations or ISO 13686. It also applies to other gases meeting these requirements including biomethane, upgraded coal-bed methane (CBM) and gas supplies coming from LNG vaporization (on-site or off-site).

ISO 16923:2016 includes all equipment for downstream gas supply connection (i.e. point of separation between the CNG fuelling station piping and the pipeline network). Fuelling station nozzles are not defined in this document.

ISO 16923:2016 covers fuelling stations with the following characteristics:

- slow fill;
- fast fill;
- private access;
- public access (self-service or assisted);
- fuelling stations with fixed storage;
- fuelling stations with mobile storage (daughter station);
- multi-fuel stations.

ISO 16923:2016 is not applicable to domestic CNG fuelling devices without buffer storage.

NOTE – ISO 16923:2016 is based on the condition that the gas entering the fuelling station is odorized. For unodorized gas fuelling stations, additional safety requirements are included in Clause 10.

Projektleder: Birgitte Ostertag

**DSF/prEN ISO 16924**
**Deadline: 2025-02-26**

Relation: CEN

Identisk med ISO/DIS 16924

og prEN ISO 16924

**Fyldestationer til tankning af naturgas – LNG-tankstationer til køretøjer**

ISO 16924:2016 specifies the design, construction, operation, maintenance and inspection of stations for fuelling liquefied natural gas (LNG) to vehicles, including equipment, safety and control devices.

ISO 16924:2016 also specifies the design, construction, operation, maintenance and inspection of fuelling stations for using LNG as an onsite source for fuelling CNG to vehicles (LCNG fuelling stations), including safety and control devices of the station and specific LCNG fuelling station equipment.

NOTE – Specific CNG equipment is dealt with in ISO 16923.

ISO 16924:2016 is applicable to fuelling stations receiving LNG and other liquefied methane-rich gases that comply with local applicable gas composition regulation or with the gas quality requirements of ISO 13686.

ISO 16924:2016 includes all equipment from the LNG storage tank filling connection up to the fuelling nozzle on the vehicle. The LNG storage tank filling connection itself and the vehicle fuelling nozzle are not covered in this document.

ISO 16924:2016 includes fuelling stations having the following characteristics:

- private access;
- public access (self-service or assisted);
- metered dispensing and non metered dispensing;
- fuelling stations with fixed LNG storage;
- fuelling stations with mobile LNG storage;
- movable fuelling stations;
- mobile fuelling stations;
- multi-fuel stations.

Projektleder: Birgitte Ostertag

**DSF/prEN ISO 21809-2**
**Deadline: 2025-02-19**

Relation: CEN

Identisk med ISO/DIS 21809-2

og prEN ISO 21809-2

**Olie- og gasindustri inklusive kulstoffattige energiformer – Udvendig belægning til nedgravede eller nedsænkede rørledninger i rørledningssystemer – Del 2: Etlags FBE-belægninger**

ISO 21809-2:2014 specifies the requirements for qualification, application, testing and handling of materials for plant application of single layer fusion-bonded epoxy (FBE) coatings applied externally for the corrosion protection of bare steel pipe for use in pipeline transportation systems for the petroleum and natural gas industries as defined in ISO 13623.

Projektleder: Lone Skjerning

## 77.060
**Metalkorrosion**
Corrosion of metals

### Nye Standarder

**DS/EN ISO 16784-2:2024**
DKK 575,00
Identisk med ISO 16784-2:2024
og EN ISO 16784-2:2024
**Korrosion af metaller og legeringer – Korrosion og begroning i industrielle kølevandssystemer – Del 2: Evaluering af ydeevne af kølevandsbehandlingsprogrammer ved brug af forsøgsanlæg**
This document specifies the principles, reagents and materials, test apparatus, test methods, evaluation of results and requirements for test reports using pilot tests for industrial cooling water systems.
This document specifies a method to evaluate the performance of treatment programmes for open recirculating cooling water systems. It is based primarily on laboratory testing, but the heat exchanger testing facility can also be used for on-site evaluation. This document does not include heat exchangers with cooling water on the shell-side (i.e. external to the tubes).

Projektleder: Merete Westergaard Bennick

**DS/ISO 16784-2:2024**
DKK 525,00
Identisk med ISO 16784-2:2024
**Korrosion af metaller og legeringer – Korrosion og begroning i industrielle kølevandssystemer – Del 2: Evaluering af ydeevne af kølevandsbehandlingsprogrammer ved brug af forsøgsanlæg**
This document specifies the principles, reagents and materials, test apparatus, test methods, evaluation of results and requirements for test reports using pilot tests for industrial cooling water systems.
This document specifies a method to evaluate the performance of treatment programmes for open recirculating cooling water systems. It is based primarily on laboratory testing, but the heat exchanger testing facility can also be used for on-site evaluation. This document does not include heat exchangers with cooling water on the shell-side (i.e. external to the tubes).

Projektleder: Lone Skjerning

## 77.140.50
**Flade stålprodukter og halvfabrikata**
Flat steel products and semi-products

### Nye Standarder

**DS/EN 10265:2024**
DKK 440,00
Identisk med EN 10265:2024
**Magnetiske materialer – Specifikation af elektroblikplader og -bånd af stål med specificerede mekaniske egenskaber og magnetisk polarisering**
This document defines the grades of electrical steel strip and sheet with specified mechanical properties and magnetic polarization. It specifies general requirements, mechanical properties, magnetic polarization, geometric characteristics, tolerances and technological characteristics, as well as inspection procedures.
This document applies to electrical steel strip and sheet for the construction of poles and rims of rotating electrical machines.
The grades are grouped into two classes according to their manufacturing process:
- hot-rolled grades;
- cold-rolled grades.
NOTE – These materials correspond to EN 60404 1:2017, D.2.

Projektleder: Pernille Rasmussen

## 77.150.10
**Aluminiumprodukter**
Aluminium products

### Nye Standarder

**DS/EN 754-2:2024**
DKK 575,00
Identisk med EN 754-2:2024
**Aluminium og aluminiumlegeringer – Koldtrukne stænger og rør – Del 2: Mekaniske egenskaber**
This document specifies the mechanical property limits resulting from tensile testing applicable to aluminium and aluminium alloy cold drawn rod/bar and tube.
Technical conditions for inspection and delivery, including product and testing requirements, are specified in EN 754-1. Temper designations are defined in EN 515. The chemical composition limits for these materials are given in EN 573-3.

Projektleder: Pernille Rasmussen

## 77.160
**Pulvermetallurgi**
Powder metallurgy

### Offentliggjorte forslag

**DSF/ISO/DIS 3953**
**Deadline: 2025-02-25**
Relation: ISO
Identisk med ISO/DIS 3953
**Metallisk pulver – Bestemmelse af stampet densitet**
ISO 3953:2011 specifies a method for the determination of tap density, i.e. the density of a powder that has been tapped into a container under specified conditions.

## 79.060.01
**Træbaserede plader. Generelt**
Wood-based panels in general

### Nye Standarder

**DS/EN 1058:2024**
DKK 355,00
Identisk med EN 1058:2024
**Træbaserede pladematerialer – Bestemmelse af karakteristiske 5-%-fraktiler og karakteristiske middelværdier**
On the basis of test results from wood-based panel products for structural purposes, this document specifies a method for the determination of:
- characteristic 5-percentile values of mechanical properties under the assumption of a log-normal distribution of the test data according to EN 14358; and
- characteristic mean values (50-percentile values) of physical properties under the assumption of a normal distribution of the test data according to EN 14358.
Test data can be determined from tests using the test methods outlined in the test standard EN 789 or other relevant test standard, performance standard or product standard normatively referring to EN 1058.
NOTE – See e.g. EN 1195 and EN 12871.
The statistical evaluation follows the principles of EN 1990:2023 , Annex D of EN 1995-1-1:2004 and of EN 14358:2016.

Projektleder: Alexander Mollan Bohn Christiansen

## 79.080
**Halvfabrikata af træ**
Semi-manufactures of timber

### Nye Standarder

**DS/EN 13226:2024**
DKK 470,00
Identisk med EN 13226:2024
**Trægulve – Massive parketelementer med fer og/eller not**
This document specifies the characteristics of solid parquet elements with grooves and/or tongues for internal use as flooring. This document is applicable to elements of parquet panels.
This document covers elements with or without surface treatment.

Projektleder: Alexander Mollan Bohn Christiansen

## 79.120.10
**Træbearbejdningsmaskiner**
Woodworking machines

### Nye Standarder

**DS/EN ISO 19085-12:2024**
DKK 880,00
Identisk med ISO 19085-12:2024
og EN ISO 19085-12:2024
**Træbearbejdningsmaskiner – Sikkerhed – Del 12: Tappe- og/eller profileringsmaskiner**
This document specifies the safety requirements and measures for manually loaded and unloaded
– single-end tenoning machines with a manual feed sliding table,
– single-end tenoning machines with a mechanical feed sliding table,
– single-end tenoning-profiling machines with mechanical feed,
– double-end tenoning-profiling machines with mechanical feed, also designed to be automatically either loaded or unloaded, or both, and
– angular systems for tenoning and profiling with mechanical feed with maximum workpiece height capacity of 200 mm for single-end machines and 500 mm for

double-end machines, capable of continuous production use, altogether referred to as "machines".

This document deals with all significant hazards, hazardous situations and events as listed in Annex A, relevant to machines, when operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also, transport, assembly, dismantling, disabling and scrapping phases have been taken into account.

The machines are designed to process in one pass one end or two sides, either opposite or perpendicular to each other, of workpieces made of a) solid wood, and b) materials with similar physical characteristics to wood (see ISO 19085-1:2021, 3.2); and

c) only the machines with mechanical feed, made of d) fibre-cement,

e) rock wool and glass wool,

f) gypsum,

g) plasterboard,

h) matrix engineered mineral boards, silicate boards and sulfate boards,

i) composite materials with core consisting of polyurethane or mineral material laminated with light alloy,

j) polymer-matrix composite materials and reinforced thermoplastic, thermoset and elastomeric materials,

k) aluminium light alloy profiles, and l) composite boards made from the materials listed above.

This document is also applicable to machines fitted with one or more of the following devices or additional working units, whose hazards have been dealt with:

– sanding units;

– fixed or movable workpiece support;

– automatic tool changing;

– automatic workpiece returner;

– glass bead saw unit;

– hinge recessing unit;

– boring unit;

– dynamic processing unit;

– sawing unit installed out of the integral enclosure, between machine halves in double-end machines;

– foiling unit;

– coating unit;

– grooving unit with a milling tool installed out of the integral enclosure, between machine halves;

– brushing unit;

– gluing unit;

– sealing unit;

– dowels inserting unit;

– tongues inserting unit;

– inkjet marking unit;

– laser marking unit;

– labelling unit;

– workpiece back-up device (device that is either anti-chipping or anti-splintering, or both);

– quick tool changing system;

– post-formed edge pre-cutting unit;

– additional workpiece support (at either infeed or outfeed, or both);

– parallel infeed device on single-end machines;

– transversal infeed device on single-end machines;

– intermediate workpiece support on double-end machines;

– automatic infeed device;

– feed chain with dogs.

This document does not deal with any hazards related to:

a) systems for automatic loading and unloading of the workpiece to a single machine other than automatic workpiece returner;

b) single machine being used in combination with any other machine (as part

Projektleder: Pernille Rasmussen

**DS/ISO 19085-12:2024**

DKK 810,00

Identisk med ISO 19085-12:2024

**Træbearbejdningsmaskiner – Sikkerhed – Del 12: Tappe- og/eller profileringsmaskiner**

This document specifies the safety requirements and measures for manually loaded and unloaded

– single-end tenoning machines with a manual feed sliding table,

– single-end tenoning machines with a mechanical feed sliding table,

– single-end tenoning-profiling machines with mechanical feed,

– double-end tenoning-profiling machines with mechanical feed, also designed to be automatically either loaded or unloaded, or both, and

– angular systems for tenoning and profiling with mechanical feed with maximum workpiece height capacity of 200 mm for single-end machines and 500 mm for double-end machines, capable of continuous production use, altogether referred to as "machines".

This document deals with all significant hazards, hazardous situations and events as listed in Annex A, relevant to machines, when operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also, transport, assembly, dismantling, disabling and scrapping phases have been taken into account.

The machines are designed to process in one pass one end or two sides, either opposite or perpendicular to each other, of workpieces made of a) solid wood, and b) materials with similar physical characteristics to wood (see ISO 19085-1:2021, 3.2); and

c) only the machines with mechanical feed, made of d) fibre-cement,

e) rock wool and glass wool,

f) gypsum,

g) plasterboard,

h) matrix engineered mineral boards, silicate boards and sulfate boards,

i) composite materials with core consisting of polyurethane or mineral material laminated with light alloy,

j) polymer-matrix composite materials and reinforced thermoplastic, thermoset and elastomeric materials,

k) aluminium light alloy profiles, and l) composite boards made from the materials listed above.

This document is also applicable to machines fitted with one or more of the following devices or additional working units, whose hazards have been dealt with:

– sanding units;

– fixed or movable workpiece support;

– automatic tool changing;

– automatic workpiece returner;

– glass bead saw unit;

– hinge recessing unit;

– boring unit;

– dynamic processing unit;

– sawing unit installed out of the integral enclosure, between machine halves in double-end machines;

– foiling unit;

– coating unit;

– grooving unit with a milling tool installed out of the integral enclosure, between machine halves;

– brushing unit;

– gluing unit;

– sealing unit;

– dowels inserting unit;

– tongues inserting unit;

– inkjet marking unit;

– laser marking unit;

– labelling unit;

– workpiece back-up device (device that is either anti-chipping or anti-splintering, or both);

– quick tool changing system;

– post-formed edge pre-cutting unit;

– additional workpiece support (at either infeed or outfeed, or both);

– parallel infeed device on single-end machines;

– transversal infeed device on single-end machines;

– intermediate workpiece support on double-end machines;

– automatic infeed device;

– feed chain with dogs.

This document does not deal with any hazards related to:

a) systems for automatic loading and unloading of the workpiece to a single machine other than automatic workpiece returner;

b) single machine being used in combination with any other machine (as part of a line);

c) use of tools, other than saw blades or boring tools or milling tools for grooving, installed between machine halves and out of the integral enclosure in double-end machines;

d) use of tools protruding out of the integral enclosure;

e) chemical characteristics of all materials listed in 1.3 c) to i) and their dust.

This document is not applicable to machines intended for use in potentially explosive atmosphere nor to machines manufactured prior to its publication.

Projektleder: Søren Nielsen

## 81.040.20
**Glas til byggeri**
Glass in building

### Offentliggjorte forslag

**DSF/prEN 410**
**Deadline: 2025-02-17**
Relation: CEN
Identisk med prEN 410
**Bygningsglas – Bestemmelse af lys- og solstrålingskarakteristika**
This document specifies methods of determining the luminous and solar characteristics of glazing in buildings. These characteristics can serve as a basis for lighting, heating and cooling calculations of rooms and permit comparison between different types of glazing.
This document applies both to conventional glazing and to absorbing or reflecting solar-control glazing, used as vertical or horizontal glazed apertures. The appropriate formulae for single, double and triple glazing are given. A matrix method is provided as an alternative calculation method.
This document introduces a method to determine the luminous and solar properties of Building-Integrated Photovoltaic (BIPV) glazing.
This document is accordingly applicable to all transparent materials except those which show significant transmission in the wavelength region 5 µm to 50 µm of ambient temperature radiation, such as certain plastic materials.
Materials with light-scattering properties for incident radiation are dealt with as conventional transparent materials subject to certain conditions (see 5.2).
Angular light and solar properties of glass in building are excluded from this document. However, research work in this area is summarized in Bibliographic references [1], [2] and [3].
Guidance on the measurement of luminous and spectral properties of glass can be found in the Bibliography [4].
Vacuum Insulating Glass (VIG) is excluded from the scope of this document. For determination of the g value of VIG, please refer to ISO 19916-1.

Projektleder: Marika Englén

## 81.060.30
**Teknisk keramik**
Advanced ceramics

### Offentliggjorte forslag

**DSF/ISO/DIS 19634**
**Deadline: 2025-02-28**
Relation: ISO
Identisk med ISO/DIS 19634
**Finkeramik (avanceret keramik, avanceret teknisk keramik) – Keramikkompositter – Notationer og symboler**
ISO 19634:2017 defines the symbols to be used to represent physical, mechanical and thermal characteristics, as determined by methods described in relevant ISO publications, for ceramic matrix composites. It is aimed at avoiding confusion in reporting measurements and characteristics of products.
Where possible, the definitions are in accordance with the relevant parts of ISO 80000. In addition, the symbols used in undertaking measurements of these characteristics are also defined.
**DSF/prEN ISO 19634**
**Deadline: 2025-02-26**
Relation: CEN
Identisk med ISO/DIS 19634
og prEN ISO 19634
**Finkeramik (avanceret keramik, avanceret teknisk keramik) – Keramikkompositter – Notationer og symboler**
ISO 19634:2017 defines the symbols to be used to represent physical, mechanical and thermal characteristics, as determined by methods described in relevant ISO publications, for ceramic matrix composites. It is aimed at avoiding confusion in reporting measurements and characteristics of products.
Where possible, the definitions are in accordance with the relevant parts of ISO 80000. In addition, the symbols used in undertaking measurements of these characteristics are also defined.

Projektleder: Pernille Rasmussen

## 83.080.01
**Plast. Generelt**
Plastics in general

### Nye Standarder

**DS/ISO 16623:2024**
DKK 525,00
Identisk med ISO 16623:2024
**Plast – Test af bionedbrydelighed i marine miljøer – Præparering af optimeret litoralzonevand og -sediment**
This document specifies procedures for preparing seawater and sediments used in test methods to assess the biodegradation of plastic materials in the marine environment. The screened sediment and sediment-rinsed seawater are prepared to sustain aerobic testing at laboratory scale. The described method is designed to separate sediment-rinsed seawater and sand-gravel sediments from intertidal sediments by wet filtration and seawater flotation. This document does not include steps to enhance the biodegradation of plastic materials by concentrating the natural seawater, adding nutrients to the seawater, and pre-culturing the inoculum.
The methods described in this document are intended to be used in addition to issued ISO standard test methods for evaluating the biodegradation and disintegration of plastic materials. The applicable evaluation test methods are ISO 18830, ISO 19679, ISO 22404, ISO 23977-1, ISO 23977-2 and ISO 23832.
NOTE The conditions described in this document do not always correspond to the optimum conditions for maximum biodegradation. This is a method of preparing test sediments from coastal seafloor sediments, not a method of preparing sediments from deep-sea seafloors.

Projektleder: Anne Holm Sjøberg

## 83.080.20
**Termoplastiske materialer**
Thermoplastic materials

### Nye Standarder

**DS/EN ISO 19069-2:2024**
DKK 440,00
Identisk med ISO 19069-2:2024
og EN ISO 19069-2:2024
**Plast – Støbe- og ekstruderingsmaterialer af polypropylen (PP) – Del 2: Fremstilling af prøveemner og bestemmelse af egenskaber**
This document specifies the methods of preparation of test specimens and the test methods for determining the properties of polypropylene (PP) moulding and extrusion materials. It gives requirements for handling test material and for conditioning both the test material before moulding and the specimens before testing.
This document specifies procedures and conditions for the preparation of test specimens, and procedures for measuring properties of the materials from which these specimens are made. Properties and test methods which are suitable and essential to characterize PP moulding and extrusion materials are listed.
The properties have been selected from the general test methods in ISO 10350-1. Other test methods in wide use for, or of particular significance to PP moulding and extrusion materials are also included in this document, as are the designatory properties specified in ISO 19069-1.

Projektleder: Anne Holm Sjøberg

**DS/ISO 19069-2:2024**
DKK 355,00
Identisk med ISO 19069-2:2024
**Plast – Støbe- og ekstruderingsmaterialer af polypropylen (PP) – Del 2: Fremstilling af prøveemner og bestemmelse af egenskaber**
This document specifies the methods of preparation of test specimens and the test methods for determining the properties of polypropylene (PP) moulding and extrusion materials. It gives requirements for handling test material and for conditioning both the test material before moulding and the specimens before testing.
This document specifies procedures and conditions for the preparation of test specimens, and procedures for measuring properties of the materials from which these specimens are made. Properties and test methods which are suitable and essential to characterize PP moulding and extrusion materials are listed.
The properties have been selected from the general test methods in ISO 10350-1. Other test methods in wide use for, or of particular significance to PP moulding and extrusion materials are also included in this document, as are the designatory properties specified in ISO 19069-1.

## 83.100
**Porøse materialer**
Cellular materials

### Offentliggjorte forslag

**DSF/prEN ISO 7214**
**Deadline: 2025-02-06**
Relation: CEN
Identisk med ISO/DIS 7214
og prEN ISO 7214
**Celleplast – Polyethylen – Prøvningsmetoder**
ISO 7214:2012 specifies methods for testing flexible and semi-rigid cellular plastics made from polyethylene. Cellular plastics containing copolymers of ethylene or blends of polymers with polyethylene may also be tested by the procedures of this International Standard provided these materials have characteristics similar to polyethylene as described in ISO 1872-1, or copolymers of ethylene as described in ISO 4613-1.
Mandatory tests suitable for characterization of cellular polyethylene, regardless of end use, and optional tests for the determination of properties that are relevant to certain uses are described.

Projektleder: Anne Holm Sjøberg

## 83.160.01
**Dæk. Generelt**
Tyres in general

### Nye Standarder

**DS/EN 16916:2024**
DKK 320,00
Identisk med EN 16916:2024
**Materialer fra udtjente dæk (ELT) – Bestemmelse af specifikke krav til prøveudtagning og bestemmelse af fugtindhold ved hjælp af ovntørringsmetoden**
This document specifies a method for determining the total moisture content of materials obtained from End of Life Tyres (ELT) by drying samples in an oven. The method is applicable to chips, granulates, powders and textile derived from the treatment of End of Life Tyres.
This document is not intended for the determination of moisture content in steel wires.

Projektleder: Mette Juul Sandager

## 85.080.10
**Kontorpapir**
Office paper

### Nye Standarder

**DS/CEN/TS 17217:2024**
DKK 355,00
Identisk med CEN/TS 17217:2024
**Posttjenester – Adressering på bagside – Krav til udformning og tryk**
This document covers physical properties and manufacturing requirements for envelopes having an address window and the flap on the front side once the flap has been sealed, hereafter the flap side. It covers the main design features of the reverse envelope, notably of the flap and address window, and the materials used for the manufacturing thereof. It applies to reverse envelopes with advertising or communication printed on the plain side, eventually on its entire surface.
This document covers empty envelopes, but also finished mailpieces that have been properly inserted, addressed and franked (reverse mailpieces) and are submitted to Postal Operators. In particular, reverse mailpieces will be compliant with relevant Postal standards applicable in the member states.
By extension, these requirements also apply to non-window envelopes used for reverse mailpieces and having the address printed on the flap side.
This document does not apply to:
- envelopes with a large window on the plain side (opposite to the flap) as these are already common and widely accepted,
- paper requirements to ensure print quality (except for the postage mark and address) and notably colour rendering.

Projektleder: Mette Juul Sandager

## 87.040
**Maling og lak**
Paints and varnishes

### Offentliggjorte forslag

**DSF/ISO/DIS 11997-2**
**Deadline: 2025-02-23**
Relation: ISO
Identisk med ISO/DIS 11997-2
**Malinger og lakker – Bestemmelse af bestandighed under cykliske korrosionsbetingelser – Del 2: Våd (salttåge)/tør/fugtig/UV-stråler**
ISO 11197-2:2013 specifies a test method of determining resistance of coatings to a defined cycle of wet (salt fog)/dry/humidity/UV light conditions using a specified solution.

Projektleder: Merete Westergaard Bennick

**DSF/prEN ISO 11997-2**
**Deadline: 2025-02-26**
Relation: CEN
Identisk med ISO/DIS 11997-2
og prEN ISO 11997-2
**Malinger og lakker – Bestemmelse af bestandighed under cykliske korrosionsbetingelser – Del 2: Våd (salttåge)/tør/fugtig/UV-stråler**
ISO 11197-2:2013 specifies a test method of determining resistance of coatings to a defined cycle of wet (salt fog)/dry/humidity/UV light conditions using a specified solution.

Projektleder: Merete Westergaard Bennick

## 91.010.01
**Byggeindustri. Generelt**
Construction industry in general

### Offentliggjorte forslag

**DSF/ISO/DIS 12006-2**
**Deadline: 2025-02-08**
Relation: ISO
Identisk med ISO/DIS 12006-2
**Byggeri og anlæg – Organisering af bygningsinformation – Del 2: Rammer for klassifikations- og opdelingsstrukturer**
This part of ISO 12006 defines a framework for the development of built environment classification systems.
The framework is a breakdown structure supporting the spatial, physical, process aspects along with relevant resources and support This framework provides a set of recommended classification table titles for a range of information object groupings according to particular views, e.g., by form or function, supported by definitions. It shows how the object groupings classified in each table are related, e.g., in a building information model.
This part of ISO 12006 applies to the complete life cycle of assets, including briefing, design, documentation, construction, operation and maintenance, demolition and possible reuse of assets or components. It applies to both building and civil engineering works, including associated engineering services, landscaping and its natural environment. It is intended for use by organizations which develop and publish such classification systems and tables, which can vary in detail to suit local needs. When this part of ISO 12006 is applied in the development of local classification systems and tables, then harmonization between them will be facilitated.
The management of the built environment above the level of complex, entities and project/programmes (for example geographic catchment areas, asset portfolios, functional requirements and organizational activity)
are outside the scope of this document.
This part of ISO 12006 does not provide the content of the tables, though it does give examples.

Projektleder: Alexander Mollan Bohn Christiansen

**DSF/prEN ISO 12006-2**
**Deadline: 2025-02-19**
Relation: CEN
Identisk med ISO/DIS 12006-2
og prEN ISO 12006-2
**Byggeri og anlæg – Organisering af bygningsinformation – Del 2: Rammer for klassifikations og struktur for nedbrydning**
This part of ISO 12006 defines a framework for the development of built environment classification systems.
The framework is a breakdown structure supporting the spatial, physical, process aspects along with relevant resources and support This framework provides a set of recommended classification table titles for a range of information object groupings according to particular views, e.g., by form or function, supported by definitions. It shows how the object groupings classified

in each table are related, e.g., in a building information model.

This part of ISO 12006 applies to the complete life cycle of assets, including briefing, design, documentation, construction, operation and maintenance, demolition and possible reuse of assets or components. It applies to both building and civil engineering works, including associated engineering services, landscaping and its natural environment. It is intended for use by organizations which develop and publish such classification systems and tables, which can vary in detail to suit local needs. When this part of ISO 12006 is applied in the development of local classification systems and tables, then harmonization between them will be facilitated.

The management of the built environment above the level of complex, entities and project/programmes (for example geographic catchment areas, asset portfolios, functional requirements and organizational activity) are outside the scope of this document.

This part of ISO 12006 does not provide the content of the tables, though it does give examples.

Projektleder: Alexander Mollan Bohn Christiansen

## 91.060.10
**Vægge. Skillevægge. Facader**
Walls. Partitions. FaçadesFaçades

### Offentliggjorte forslag

**DSF/prEN 1364-4**
**Deadline: 2025-02-24**
Relation: CEN
Identisk med prEN 1364-4
**Prøvning af brandmodstandsevne for ikke-bærende elementer – Del 4: Curtain walling – Delkonfiguration**
This document specifies a method for determining the fire resistance of parts of curtain walling and of the perimeter seal. It examines the fire resistance to internal and external fire exposure of:

- the spandrel panel, i.e. downstand, upstand or a combination thereof;

- the perimeter seal;

- the fixing of the framing system (anchoring) used to attach the curtain walling to the floor element;

- combinations thereof.

NOTE 1 – This document does not test fire spread that can be caused through cavities in the test specimen, i.e., inside of the mullions (see note to 9.1.2.3.3).

Results from tests according to this document form the basis for classification of curtain walling type A (see 3.3 for definition).

For curtain walling type B (see 3.4 for definition) results can be used to determine fire resistance of parts of a curtain walling to increase the field of application when previously tested to EN 1364-3. For intended classification EW and for corner/faceted specimens EN 1364-3 can be used.

This document does not cover double skin façades, over-cladding systems and ventilated façade systems on external walls. It does not deal with the reaction to fire behaviour of curtain walling.

This document is intended to be read in conjunction with EN 1363-1 and EN 1363-2 as well as EN 1364-3 for curtain walling type B.

As per the type of curtain walling covered by this document, these are the ones included in EN 13119.

NOTE 2 – Annex A gives informative guidance on the principles of testing parts of curtain walling and the test method.

NOTE 3 – When tests are made to examine single elements (e.g. perimeter seal), those elements are to be installed as part of a curtain walling system.

Projektleder: Marika Englén

**DSF/prEN 15254-5**
**Deadline: 2025-02-17**
Relation: CEN
Identisk med prEN 15254-5
**Udvidet anvendelse af resultater fra prøvning af brandmodstandsevne – Ikke-bærende vægge – Del 5: Konstruktion af sandwichelementer i metal**
This document defines rules for extended applications, provides guidance, and, where appropriate, defines procedures, for variations of certain parameters and factors associated with the design of internal and external non-loadbearing walls constructed of metal sandwich panels and that have been tested in accordance with EN 1364-1, which could generate a classification in accordance with EN 13501-2.

EN 15254-5 applies for double skin metal faced sandwich panels having an insulating core bonded to both facings as defined in EN 14509 not stabilizing a whole building or parts of it.

Projektleder: Marika Englén

## 91.060.50
**Døre og vinduer**
Doors and windows

### Nye Standarder

**DS/EN 12978:2024**
DKK 525,00
Identisk med EN 12978:2024
**Porte til industri og andre erhverv samt garageporte – Sikkerhedsanordninger til elstyrede porte – Krav og prøvningsmetoder**
This document specifies requirements and test methods for sensitive protective equipment put separately on the market as safety components to be used with entrance equipment such as power operated industrial, commercial and garage doors, gates and barriers, power operated pedestrian doors and power operated pedestrian entrance control equipment.

NOTE – Requirements for the safe function of the combination of protective device and industrial, commercial and garage doors and barriers are given in EN 12453.

This document deals with all significant hazards, hazardous situations and events relevant to the power operation of doors, and gates and barriers when they are used as intended and under conditions of misuse which are reasonably foreseeable as identified in Clause 4.

All lifetime phases of the sensitive protective equipment including transportation, assembly, dismantling, disabling and scrapping are considered by this document.

Whenever the term „door" is used in this document, it is deemed to cover the full scope of types and variances of doors, gates and barriers and entrance control equipment listed in the scope of EN 12453:2017+A1:2021, EN 16005:2012 and EN 17352:2022.

This document is not intended to be used for sensitive protective equipment using ultrasonic, radar, capacitive, inductive, and passive infrared and vision based technologies. For these types of equipment this document can be used as a guide to demonstrate that such a device is allowed.

This document is not applicable to sensitive protective equipment manufactured before the date of its publication.

Projektleder: Marika Englén

## 91.100.10
**Cement. Gips. Kalk. Mørtel**
Cement. Gypsum. Lime. Mortar

### Nye Standarder

**DS/EN 196-12:2024**
DKK 355,00
Identisk med EN 196-12:2024
**Metoder til prøvning af cement – Del 12: Cementbestanddeles reaktionsevne – Metoder til måling af hydratiseringsvarme og kemisk bundet vand**
This document specifies two equivalent test methods to assess the chemical reactivity of a pozzolanic or latent hydraulic cement constituent or concrete addition by measurements of heat of hydration (see Clause 5 and 8.3 Method A, Heat of Hydration) or bound water content (see Clause 5 and 8.4 Method B, Bound Water Content) of hydrated pastes composed of the cement constituent or concrete addition, calcium hydroxide, calcium carbonate, potassium sulfate, and potassium hydroxide cured at 40 °C for 72 h and 168 h (3 days and 7 days).

These two test methods measure chemical reactivity of test specimens intended for use as cementitious materials, such as cement constituents and concrete additions. The test methods do not distinguish between latent hydraulic and pozzolanic reactivity.

The test methods are used for qualification purposes if the cement constituents or concrete additions are tested at the fineness as specified by the respective product standards. In the absence of a product standard or a specification in the product standard, the constituents are tested at the fineness of the intended use.

NOTE – In case the test methods are used for purposes of comparison of intrinsic reactivity, cement constituents are tested at similar fineness, where possible.

The test methods are also used for testing other new constituents that are latent hydraulic or pozzolanic and that are not covered by EN 197 series product standards. However, for such new constituents the validity of the underlying correlations

with strength development have not been verified; in consequence the test results can only be used for informative and indicative purposes.

Furthermore, these test methods are used in manufacturing control of cement constituents for assessing their latent hydraulic or pozzolanic reactivity.

Projektleder: Alexander Mollan Bohn Christiansen

## 91.100.30
**Beton og betonprodukter**
Concrete and concrete products

### Nye Standarder

**DS/EN 934-7:2024**
DKK 320,00
Identisk med EN 934-7:2024
**Tilsætningsstoffer til beton, mørtel og injektionsmørtel – Del 7: Svindreducerende tilsætningsstoffer – Definitioner, krav, overensstemmelse, mærkning**

This document specifies definitions, characteristics and requirements for shrinkage reducing admixtures for use in concrete.

It covers admixtures for plain, reinforced and prestressed concrete which are used in site mixed, ready mixed concrete and precast concrete.

The performance requirements in this document apply to admixtures used in concrete of normal consistence. They might not be applicable to admixtures intended for other types of concrete such as semi dry and earth moist mixes.

Provisions governing the practical application of admixtures in the production of concrete, i.e. requirements concerning composition, mixing, placing, curing, etc. of concrete containing admixtures are not part of this document.

Projektleder: Alexander Mollan Bohn Christiansen

## 91.100.60
**Termisk isolerende og lydisolerende materialer**
Thermal and sound insulating materials

### Offentliggjorte forslag

**DSF/ISO/DIS 21239**
**Deadline: 2025-02-18**
Relation: ISO
Identisk med ISO/DIS 21239
**Termisk isolering i byggeriet – Reflektiv isolering – Specifikation**

This document specifies the requirements for factory made insulating products with a reflective or lowemissivity surface component designed to be used in conjunction with an incorporated air space for the thermal insulation of buildings.

This document specifies products manufactured in the form of rolls, boards and sheets and also covers products that are used in prefabricated thermal insulation systems and composite panels. Such prefabricated systems and composite panels are not within the scope of this document. The products specified in this document are not intended for use in load-bearing applications.

This document does not specify the required level of a given property to be achieved by a product to demonstrate fitness for purpose in an application. The levels required for a given application are to be found in project specifications

Projektleder: Alexander Mollan Bohn Christiansen

## 91.120.10
**Varmeisolering af bygninger**
Thermal insulation of buildings

### Offentliggjorte forslag

**DSF/EN ISO 52016-3:2023/prA1**
**Deadline: 2025-02-26**
Relation: CEN
Identisk med ISO 52016-3:2023/DAmd 1
og EN ISO 52016-3:2023/prA1
**Bygningers energieffektivitet – Energibehov for rumopvarmning og -køling, indetemperaturer og belastninger med sensibel og latent varme – Del 3: Beregning af adaptive klimaskærmselementer – Tillæg 1: Redaktionelle rettelser og teknisk revision af anneks C – Referencekontrolscenarier for adaptive klimaskærmselementer dynamisk solafskærmning eller kromogene glaselementer**

Procedures enabling to take into account the effect of adaptive building envelope elements in the calculation of the energy needs for heating, cooling, internal temperatures and sensible and latent heat loads for buildings.

ISO 52016-1:2017 contains a normative Annex G that provides already a framework for such calculation procedures. The aim of this new proposed standard is to work out calculation procedures instead of only a framework for the calculation.

Adaptive building envelope elements are (usually: transparent) elements in the building envelope with thermal and/or solar and/or visual properties that vary in time, either passively or due to an active control.

The aim of adaptive building envelope elements is to improve the energy performance and/or comfort in the building under varying outdoor conditions (weather, season), indoor conditions (e.g. internal heat gains) and user needs.

Examples of adaptive building envelopes are products or assemblies with one or more of the following features:

• movable blinds,
• controllable vents,
• switchable glazing,
• movable thermally insulating shutters,
• PV integrated glazing (leading to variable total (thermal) solar energy transmittance),
• double skin facades.

The input data for the calculation are the thermal, solar and visual properties of the building element for the different states (e.g. from open to closed, from dark to light and combinations of these); and in case of gradually varying properties: for a number of representative discrete states.

In order to be able to use these properties for energy and internal temperature calculations, the details of the (passive or active) control protocol are needed as input as well.

The thermal, solar and visual properties of the building element are the thermal transmittance (Uvalue), air permeability (L-value) and solar transmittance (g-value). Or, where needed, the properties per component: e.g. thermal resistances and air permeability per component, solar absorptance and solar and visual transmittance per component. It is assumed that the existing standards on glazing (ISO/TC 160/SC 2, CEN/TC 129) and on building elements (especially the EPB standards recently revised under ISO/TC 163/SC 2 and CEN/TC 89) enable to obtain these input data in most cases.

No ready-to-use international standards exist for the assumptions on the control protocol. EN 15232-1 (and ISO 52120-1 in preparation) provides some guidance.

The output of this standard should also be usable to compare products and assemblies. Due to the interactive nature of adaptive building envelope elements, this may require the use of specific reference buildings and occupant patterns (similar as for current international standards on energy performance rating of glazings and windows).

Projektleder: Alexander Mollan Bohn Christiansen

**DSF/ISO 52016-3:2023/DAmd 1**
**Deadline: 2025-02-23**
Relation: ISO
Identisk med ISO 52016-3:2023/DAmd 1
**Bygningers energieffektivitet – Energibehov for rumopvarmning og -køling, indetemperaturer og belastninger med sensibel og latent varme – Del 3: Beregning af adaptive klimaskærmselementer – Tillæg 1: Redaktionelle rettelser og teknisk revision af anneks C – Referencekontrolscenarier for adaptive klimaskærmselementer dynamisk solafskærmning eller kromogene glaselementer**

This document specifies procedures for the calculation of the energy needs for heating and cooling, internal temperatures and sensible and latent heat loads of a building according to the hourly calculation methodology in ISO 52016-1. Additions or modifications of the calculations are provided in this document if the building envelope contains one or more adaptive building envelope elements (building envelope elements with adaptive components that are either environmentally or actively controlled as a function of specific conditions). The adaptive building envelope element replaces the transparent building element in the calculation according to ISO 52016-1.

The three types of adaptive building envelope elements covered in this document are:

– building envelope elements with dynamic solar shading;

– building envelope elements with chromogenic glazing;

– building envelope elements with an actively ventilated cavity.

Environmentally activated control is described for building envelope elements with chromogenic glazing, but can also occur for other types of adaptive building envelope elements. In that case the same approach applies as for environmentally activated chromogenic glazing.

This document is applicable to the assessment of the energy performance of buildings (EPB) (energy performance labels and certificates), including comparison between buildings and checking conformity with minimum energy performance criteria.

It is also applicable to assess the contribution of the adaptive building envelope element to the smart readiness of a building.

In addition, this document provides indicators for the impact of the adaptive building envelope element on the performance of the building compared to a reference building envelope element. It is applicable to buildings at the design stage, to new buildings after construction and to existing buildings in the use phase.

This document is not applicable to geometrically complex adaptive building envelope elements that can only be modelled as multiple coupled thermal zones.

NOTE The background to the selection of adaptive building envelope elements is given in ISO/TR 52016-4.

Projektleder: Alexander Mollan Bohn Christiansen

## 91.140.01
**Installationer i bygninger. Generelt**
Installations in buildings in general

### Nye Standarder

**DS/CEN/TS 16628:2024**
DKK 525,00
Identisk med CEN/TS 16628:2024
**Bygningers energieffektivitet – Grundlæggende principper for serien af EPB-standarder**

This document describes the basic principles to be followed in the development and maintenance of standards intended to support the assessment of the overall energy performance of a building (EPB) using a holistic approach.

This document supports the development and maintenance of a set of EPB standards that provides a systematic, clear, consistent and comprehensive methodology for the benefit of professionals and government entities. The main application is the assessment of the overall energy performance of a building in the context of building regulations, e.g. to specify EP requirements, EP rating and EP certificates.

The principles cover general and common aspects on the required quality, accuracy, usability, consistency and interoperability of the EPB standards as a set and individually. For that purpose, this document provides guidance on the process, structure and layout of these EPB standards and accompanying publications, complementary to the CEN and ISO internal regulations.

This document forms the basis for detailed technical rules given in CEN/TS 16629, in the overarching EPB standard, EN ISO 52000-1:2017, and in supporting documents.

Projektleder: Henryk Stawicki

**DS/CEN/TS 16629:2024**
DKK 665,00
Identisk med CEN/TS 16629:2024
**Bygningers energieffektivitet – Detaljerede tekniske regler for serien af EPB-standarder**

This document describes the detailed technical rules to be followed in the development and maintenance of standards intended to support the assessment of the overall energy performance of a building (EPB) using a holistic approach.

This document supports the development and maintenance of a set of EPB standards that provides a systematic, clear, consistent and comprehensive methodology for the benefit of professionals and government entities. The main application is the assessment of the overall energy performance of a building in the context of building regulations, e.g. to specify EP requirements, EP rating and EP certificates.

The rules cover general and common aspects on the required quality, accuracy, usability, consistency and interoperability of the EPB standards as a set and individually. For that purpose, this document provides guidance on the process, structure and layout of these EPB standards and accompanying publications, complementary to the CEN and ISO internal regulations.

This document is based on the basic principles given in CEN/TS 16628, and is complemented by the overarching EPB standard, EN ISO 52000-1 and supporting documents.

Projektleder: Henryk Stawicki

## 91.140.30
**Ventilationssystemer og klimaanlæg**
Ventilation and air-conditioning systems

### Offentliggjorte forslag

**DSF/prEN ISO 15957**
**Deadline: 2025-02-05**
Relation: CEN
Identisk med ISO/DIS 15957
og prEN ISO 15957
**Prøvestøv til evaluering af luftrensningsudstyr**

ISO 15957:2015 defines the properties of load test dusts used for heating, ventilation, and air conditioning (HVAC) air filters as well as air cleaning equipment in laboratories. Test dusts used for evaluation of efficiency performance are not included.

Projektleder: Charlotte Vartou Forsingdal

## 91.140.50
**Elektriske installationer**
Electricity supply systems

### Nye Standarder

**DS/EN IEC 62052-31:2024**
DKK 1.170,00
Identisk med IEC 62052-31:2024 ED2
og EN IEC 62052-31:2024
**Elmålingsudstyr – Generelle krav, prøvninger og prøvningsbetingelser – Del 31: Produktsikkerhedskrav og prøvninger**

IEC 62052-31:2024 specifies general safety requirements and associated tests, with their appropriate conditions for type testing of directly connected, transformer-operated or transducer-operated AC and DC electricity meters and load control equipment. This document applies to electricity metering equipment designed to:

• measure and control electrical energy on electrical networks (mains) with voltage up to 1 000 V AC, or 1 500 V DC;

• have all functional elements, including add-on communication modules, enclosed in, or forming a single meter case with exception of indicating displays;

• operate with integrated displays (electromechanical or static meters);

• operate with detached indicating displays, or without an indicating display (static meters only);

• wall-mounted or to be installed in specified matching sockets or racks;

• optionally, provide additional functions other than those for measurement of electrical energy.

This document also applies to transducer-operated meters or meters designed for operation with Low Power Instrument Transformers (LPIT) or sensors (as defined in the IEC 61869 series).

When equipment in scope of this document is designed to be installed in a specified matching socket, then the requirements apply to, and the tests are performed on, equipment installed in its specified matching socket. However, requirements for sockets and inserting / removing the meters from the socket are outside the scope of this document.

This document is also applicable to auxiliary input and output circuits, operation indicators, and test outputs of equipment for electrical energy measurement.

Equipment used in conjunction with equipment for electrical energy measurement and control may need to comply with additional safety requirements. See also Clause 13.

This document does not apply to:

• meters rated to operate with voltage exceeding 1 000 V AC, or 1 500 V DC;

• metering systems comprising multiple devices physically remote from one another;

• portable meters;

• meters used in rolling stock, vehicles, ships and airplanes;

• laboratory and mobile meter test equipment;

• reference standard meters;

• conventional or low power instrument transformers;

• equipment with solid-state or other non-electromechanical supply and load control switches.

The safety requirements of this document are based on the following assumptions:

• metering equipment has been installed correctly;

• metering equipment is used generally by ordinary persons, including meter readers and consumers of electrical energy. In many cases, it is installed in a way that it is freely accessible. Its terminal covers cannot be removed, and its case cannot be opened without removing seals (if present) and using a tool;

• during normal use all terminal covers, covers and barriers providing protection against accessing hazardous live parts are in place;

• for installation, configuration, maintenance and repair it may be necessary to remove terminal cover(s), (a part of) the case or barriers so that hazardous live parts may become accessible. Such activities are performed by skilled persons, who have been suitably trained to be aware of working procedures necessary to ensure safety. Therefore, safety requirements covering these conditions are out of the Scope of this document.

This second edition cancels and replaces the first edition published in 2015. This edition constitutes a technical revision. Please see the foreword of IEC 62052-31 f

Projektleder: Marika Vindbjerg

**DS/HD 60364-7-701:2024**
DKK 575,00
Identisk med IEC 60364-7-701:2019 ED3 og HD 60364-7-701:2024
**Elektriske lavspændingsinstallationer – Del 7-701: Krav til særlige installationer eller områder – Områder med bad eller bruser**

IEC 60364-7-701:2019 applies to electrical installations in indoor or outdoor locations where a bath tub and/or a shower is intended to be permanently placed in a specific location.

The extent of the location containing a bath tub and/or a shower is limited by:

– the lowest finished floor level;

– a horizontal plane 3 m above the lowest finished floor level;

– a vertical circumscribing virtual surface at a distance of 4 m from the fixed water outlet for the bath tub or shower; and

– the volume within the walls, floor and ceiling that border the location containing a bath or shower, measured to a depth of 6 cm.

The requirements of this document also apply to fixed electrical installations in mobile applications, for example caravans, mobile homes, shower containers. This document does not apply to emergency facilities, for example emergency showers used in industrial areas or laboratories.

This third edition cancels and replaces the second edition published in 2006. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

– the scope gives precisions relevant to the application of this document;

– the description of zones is improved;

– relevant terms are defined.

Projektleder: Maria Gabriella Banck

**DS/HD 60364-7-701:2024/A11:2024**
DKK 320,00
Identisk med HD 60364-7-701:2024/A11:2024
**Elektriske lavspændingsinstallationer – Del 7-701: Krav til særlige installationer eller områder – Områder med bad eller bruser**

The particular requirements of this part of IEC 60364 apply to electrical installations in indoor or outdoor locations which contain or will contain a bath tub and/or a shower intended to be permanently placed in a specific location

The extent of the location containing a bath tub and/or a shower is limited by:

- the lowest finished floor level; and

- a horizontal plane 3 m above the lowest finished floor level; and

- a vertical circumscribing virtual surface at a distance of 4 m from the fixed water outlet for the bath tub or shower; and

- the volume within the walls, floor and ceiling that border to the location containing a bath or shower, measured to a depth of 6 cm.

The requirements of this standard also apply to fixed electrical installations

in mobile applications, for example caravans, mobile homes, shower containers. This standard does not apply to emergency facilities, e.g. emergency showers used in industrial areas or laboratories.

NOTE 1 – For locations containing a bath or shower for medical treatment, special requirements may be necessary. NOTE 2 For prefabricated bath and/or shower units, see also IEC 60335-2-105.

Projektleder: Maria Gabriella Banck

## 91.140.60
**Vandinstallationer**
Water supply systems

### Nye Standarder

**DS 439:2024**
DKK 500,00
**Vandinstallationer**

This Code of Practice applies to water supply installations connected to public or private water supply systems or to smaller private systems. The functional requirements of this Code also applies to rainwater installations, which are part of the pipe system supplying toilets and washing machines with rainwater from a tank or a similar container. Rainwater supply systems shall be designed according to "Rørcenter-anvisning 003. Use of rainwater to toilets and washing machines in dwellings". The code applies to both new installations and to improvements and additions to existing systems. Repair of pipes and minor alterations such as replacement of sanitary equipment, fittings, apparatus, containers, etc., can be made with materials and according to methods that were allowed at the time of the existing installation. The water supply installation covers installations in buildings and in the ground within the site.

Projektleder: Henryk Stawicki

## 91.140.70
**Sanitære installationer**
Sanitary installations

### Nye Standarder

**DS/HD 60364-7-701:2024**
DKK 575,00
Identisk med IEC 60364-7-701:2019 ED3 og HD 60364-7-701:2024
**Elektriske lavspændingsinstallationer – Del 7-701: Krav til særlige installationer eller områder – Områder med bad eller bruser**

IEC 60364-7-701:2019 applies to electrical installations in indoor or outdoor locations where a bath tub and/or a shower is intended to be permanently placed in a specific location.

The extent of the location containing a bath tub and/or a shower is limited by:

– the lowest finished floor level;

– a horizontal plane 3 m above the lowest finished floor level;

– a vertical circumscribing virtual surface at a distance of 4 m from the fixed water outlet for the bath tub or shower; and

– the volume within the walls, floor and ceiling that border the location containing a bath or shower, measured to a depth of 6 cm.

The requirements of this document also apply to fixed electrical installations in mobile applications, for example caravans, mobile homes, shower containers. This document does not apply to emergency facilities, for example emergency showers used in industrial areas or laboratories.

This third edition cancels and replaces the second edition published in 2006. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

– the scope gives precisions relevant to the application of this document;

– the description of zones is improved;

– relevant terms are defined.

Projektleder: Maria Gabriella Banck

**DS/HD 60364-7-701:2024/A11:2024**
DKK 320,00
Identisk med HD 60364-7-701:2024/A11:2024
**Elektriske lavspændingsinstallationer – Del 7-701: Krav til særlige installationer eller områder – Områder med bad eller bruser**

The particular requirements of this part of IEC 60364 apply to electrical installations in indoor or outdoor locations which contain or will contain a bath tub and/or a shower intended to be permanently placed in a specific location

The extent of the location containing a bath tub and/or a shower is limited by:

- the lowest finished floor level; and

- a horizontal plane 3 m above the lowest finished floor level; and

- a vertical circumscribing virtual surface at a distance of 4 m from the fixed water outlet for the bath tub or shower; and
- the volume within the walls, floor and ceiling that border to the location containing a bath or shower, measured to a depth of 6 cm.

The requirements of this standard also apply to fixed electrical installations in mobile applications, for example caravans, mobile homes, shower containers. This standard does not apply to emergency facilities, e.g. emergency showers used in industrial areas or laboratories.

NOTE 1 – For locations containing a bath or shower for medical treatment, special requirements may be necessary. NOTE 2 For prefabricated bath and/or shower units, see also IEC 60335-2-105.

Projektleder: Maria Gabriella Banck

## 91.140.90
**Elevatorer. Rullende trapper**

Lifts. Escalators

### Nye Standarder

**DS/EN 81-41:2024**

DKK 955,00

Identisk med EN 81-41:2024

**Sikkerhedsregler for konstruktion og installation af elevatorer – Specialelevatorer til transport af personer og gods – Del 41: Vertikale løfteplatforme til personer med hæmmede bevægelsesmuligheder**

1.1 This draft European Standard deals with safety requirements for construction, manufacturing, installation, maintenance and dismantling of electrically powered vertical lifting platforms affixed to a building structure intended for use by persons with impaired mobility:

- travelling vertically between predefined levels along a guided path whose inclination to the vertical does not exceed 15°;
- intended for use by persons with or without a wheelchair;
- supported or sustained by rack and pinion, rope traction drive, noncircular elastomeric-coated steel suspension members (hereafter called flat belt) traction drive, rope positive drive, chains, toothed belts, screw and nut, guided chain, scissors mechanism or hydraulic jack (direct or indirect);
- with enclosed liftways;
- with a speed not greater than 0,15 m/s;
- with platforms where the carrier is not completely enclosed.

1.2 This draft European Standard deals with all significant hazards relevant to lifting platforms, when they are used as intended and under the conditions foreseen by the manufacturer (see Clause 4).

1.3 This draft European Standard does not specify the additional requirements for:

- operation in severe conditions (e.g. extreme climates, strong magnetic fields);
- lightning protection;
- operation subject to special rules (e.g. potentially explosive atmospheres);
- handling of materials, the nature of which could lead to dangerous situations;
- vertical lifting platforms whose primary function is the transportation of goods;
- vertical lifting platforms whose carriers are completely enclosed;
- vertical lifting platforms prone to vandalism;
- hazards occurring during manufacture;
- earthquakes, flooding;
- firefighting, evacuation and behaviour during a fire;
- noise and vibrations;
- the design of concrete, hard core, timber or other foundation or building arrangement;
- the design of anchorage bolts to the supporting structure;
- type C wheelchairs as defined in EN 12183 and/or EN 12184.

NOTE – For the actual type of machinery, noise is not considered a significant nor relevant hazard.

1.4 This draft European Standard is not applicable to Vertical Lifting Platforms intended for use by persons with impaired mobility which are manufactured before the date of its publication as an EN.

Projektleder: Søren Nielsen

**DS/ISO/TR 8101-10:2024**

DKK 955,00

Identisk med ISO/TR 8101-10:2024

**Elevatorrelateret brandsikkerhed – Del 10: Global sammenligning af sikkerhedsstandarder om brandmands- og redningselevatorer**

This document consists of an updated comparison of the requirements of selected topics pertaining to the use of lifts for firefighting and building evacuation, as covered by worldwide safety standards.

This document applies to electric traction lifts only, although some sections are also applicable for positive drive lifts and other lifts suspended by rope or chain.

Projektleder: Søren Nielsen

## 91.190
**Bygningstilbehør**

Building accessories

### Nye Standarder

**DS/EN 12209:2024**

DKK 810,00

Identisk med EN 12209:2024

**Bygningsbeslag – Mekanisk betjente dørlåse og låseplader – Egenskaber og prøvningsmetoder**

This document specifies product characteristics and test methods of mechanically operated locks and their locking plates.

This document covers mechanically operated locks and their locking plates which are either manufactured and placed on the market in their entirety by one producer or assembled from sub-assemblies produced by more than one producer and designed to be used in combination.

This document does not cover assessment of the contribution of the product to the fire resistance of specific fire resistance and/or smoke control door set assemblies.

This document is not applicable to mechanically/electromechanically cylinders, handles, locks for windows, padlocks, locks for safes, furniture locks or prison locks.

This document does not specify mechanically operated multipoint locks and their locking plates which are specified by EN 15685.

Projektleder: Marika Englén

**DS/EN 15685:2024**

DKK 880,00

Identisk med EN 15685:2024

**Bygningsbeslag – Krav og prøvningsmetoder – Flerpunktslåse, smæklåse og låseplader – Egenskaber og prøvningsmetoder**

This document specifies product characteristics and test methods of mechanically operated multipoint locks and their locking plates.

This document covers multipoint locks their locking plates which are either manufactured and placed on the market in their entirety by one producer or assembled from sub-assemblies produced by more than one producer and designed to be used in combination.

This document does not cover assessment of the contribution of the product to the fire resistance of specific fire resistance and/or smoke control door set assemblies.

This document is not applicable to mechanically/electromechanically cylinders, handles, locks for windows, padlocks, locks for safes, furniture locks or prison locks.

This document does not specify mechanically operated locks or their locking plates which are specified by EN 12209.

Projektleder: Marika Englén

## 91.220
**Anlægsudstyr**

Construction equipment

### Offentliggjorte forslag

**DSF/ISO/DIS 19432-2**
**Deadline: 2025-02-21**

Relation: ISO

Identisk med ISO/DIS 19432-2

**Maskiner og udstyr til bygningskonstruktion – Bærbare, håndholdte skæremaskiner med forbrændingsmotor – Del 2: Maskiner til skærende kæder – Sikkerhedskrav**

This International Standard specifies safety requirements, and measures for their verification, for the design and construction of portable, hand-held, internal combustion engine-driven machines for abrasive chains, intended to be used by a single operator in the cutting of construction materials, such as concrete, stone and metal. It is applicable only to those machines designed purposely for use with a water-cooled abrasive chain only, where the top of the abrasive chain rotates away from the operator.

ISO 19432-2 is not applicable to:

Cut-off machines for centre-mounted rotating abrasive wheels, which are covered by ISO 19432-1.

Chain saws for forestry service, which are covered by ISO 11681-1.

Chain saws for tree service, which are covered by ISO 11681-2.

NOTE: Clarification of product class; machinery in the scope of this standard, is designed to only cut construction materials, such as concrete, stone, metal and the like. The cutting means is by grinding with an abrasive chain through the work-piece, using a continuous water supply as a coolant, lubricant and dust suppression. This kind of machinery is not intended for use with conventional wood cutting saw chain with defined sharpened cutting edges.

This International Standard deals with all significant hazards, hazardous situations or hazardous events significant to these machines when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. (See Annex X for a list of significant hazards.)

This International Standard specifies methods for the elimination or reduction of hazards arising from their use, as well as the type of information on safe working practices to be provided with the machines.

Projektleder: Helle Harms

**DSF/prEN ISO 19432-2**
**Deadline: 2025-02-26**

Relation: CEN

Identisk med ISO/DIS 19432-2

og prEN ISO 19432-2

**Building construction machinery and equipment – Portable, hand-held, internal combustion engine driven abrasive cutting machines – Part 2: Machines for abrasive chains – Safety requirements (ISO/DIS 19432-2:2024)**

This International Standard specifies safety requirements, and measures for their verification, for the design and construction of portable, hand-held, internal combustion engine-driven machines for abrasive chains, intended to be used by a single operator in the cutting of construction materials, such as concrete, stone and metal. It is applicable only to those machines designed purposely for use with a water-cooled abrasive chain only, where the top of the abrasive chain rotates away from the operator.

ISO 19432-2 is not applicable to:

Cut-off machines for centre-mounted rotating abrasive wheels, which are covered by ISO 19432-1.

Chain saws for forestry service, which are covered by ISO 11681-1.

Chain saws for tree service, which are covered by ISO 11681-2.

NOTE: Clarification of product class; machinery in the scope of this standard, is designed to only cut construction materials, such as concrete, stone, metal and the like. The cutting means is by grinding with an abrasive chain through the work-piece, using a continuous water supply as a coolant, lubricant and dust suppression. This kind of machinery is not intended for use with conventional wood cutting saw chain with defined sharpened cutting edges.

This International Standard deals with all significant hazards, hazardous situations or hazardous events significant to these machines when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. (See Annex X for a list of significant hazards.)

This International Standard specifies methods for the elimination or reduction of hazards arising from their use, as well as the type of information on safe working practices to be provided with the machines.

Projektleder: Helle Harms

## 93.020
**Jordarbejde. Udgravninger. Fundering. Underjordisk arbejde**

Earthworks. Excavations. Foundation construction. Underground works

### Nye Standarder

**DS/CEN/TR 16907-8:2024**

DKK 880,00

Identisk med CEN/TR 16907-8:2024

**Jordarbejder – Del 8: Alternative materialer ved jordarbejder**

This document informs about the experience of European member state practices for successfully using alternative materials in earthworks. It covers all earthworks, whether for roads, railways, and other infrastructure, including fills, capping layers, transition zones, drainage ribs or others (for details, see EN 16907-1:2018, Clause 1 "Scope").

Alternative materials have properties, on a geotechnical standpoint, which makes them different from the materials (soils and rocks) being normally used in earthworks. Therefore, the objective of this document is:

- to give an overview of the alternative materials that have been successfully used in earthworks in Europe;

- for the alternative materials, for which use in earthworks is adequately documented, to give general information regarding the points of attention that clients, designers and earthwork companies, keep in mind in any attempt to use them in earthworks.

This document does not deal with alternative materials used as aggregate.

This document does not deal with alternative materials used as binders (fly ash, granulated blast furnace slag or others) or binder components.

Projektleder: Alexander Mollan Bohn Christiansen

## 93.080.20
**Vejbygningsmaterialer**

Road construction materials

### Offentliggjorte forslag

**DSF/prEN 12697-13**
**Deadline: 2025-02-24**

Relation: CEN

Identisk med prEN 12697-13

**Bituminøse blandinger – Prøvningsmetoder – Del 13: Temperaturmåling**

This European Standard describes a test method for measuring the temperature of asphalt mixtures after mixing and during storage, transportation and laying. This European Standard includes the contact temperature-measuring device and the non-contact temperature-measuring device (infrared-thermometer). In cases of dispute, the refence method shall be using the contact temperature measuring device.

Projektleder: Helle Harms

## 93.100
**Bygning af jernbaner**

Construction of railways

### Offentliggjorte forslag

**DSF/DS 21001:2024**
**Deadline: 2025-02-18**

Relation: DS

**Ledelsessystemer for jernbanesikkerhed – Infrastrukturarbejde – Krav**

Projektleder: Lærke Høllund

**DSF/prEN 16432-4**
**Deadline: 2025-02-24**

Relation: CEN

Identisk med prEN 16432-4

**Jernbaner – Ikke-ballasterede sporsystemer – Del 4: Særlige ikke-ballastede sporsystemer til vibrationsdæmpning**

This part of the EN 16432 series specifies the integration of additional noise and vibration requirements into the system and subsystem design and component configuration for ballastless track systems according to EN 16432-2:2017.

The general system and subsystem design requirements are assigned from EN 16432-1:2017. Additional noise and vibration requirements are project specific and not provided by this standard. Where applicable, existing subsystem or component requirements from other standards are to be referenced.

Projektleder: Per Velk

**DSF/prEN 50129:2024**
**Deadline: 2025-02-01**

Relation: CLC

Identisk med prEN 50129:2024

**Jernbaner – Telekommunikationsteknik, signalteknik og databehandlingssystemer – Sikkerhedsrelaterede elektroniske systemer for signalteknik**

Unchanged with respect to the current edition EN 50129:2018

Projektleder: Per Velk

## 97.020
**Husholdning. Generelt**

Home economics in general

### Nye Standarder

**DS/EN ISO 25649-2:2024**

DKK 575,00

Identisk med ISO 25649-2:2024

og EN ISO 25649-2:2024

**Flydende fritidsprodukter til brug på og i vandet – Del 2: Forbrugerinformation**

This document specifies consumer information for classified floating leisure articles for use on and in water according to ISO 25649-1:2024.

Projektleder: Mette Juul Sandager

## 97.040.20
**Komfurer, arbejdsborde, ovne og lignende udstyr**
Cooking ranges, working tables, ovens and similar appliances

### Nye Standarder

**DS/EN 30-2-2:2024**
DKK 270,00
Identisk med EN 30-2-2:2024
**Gaskomfurer til brug i husholdninger – Del 2-2: Rationelt energiforbrug – Apparater med varmluftovn og/eller -grill med blæser**
This document specifies the requirements and test method for the rational use of energy of gas cooking appliances having forced-convection ovens and/or grills using combustible gases described in Clause 1 of EN 30 1 2:2012.
This document covers only type testing.

Projektleder: Helle Harms

## 97.040.30
**Køleskabe til husholdningsbrug**
Domestic refrigerating appliances

### Offentliggjorte forslag

**DSF/prEN 18151**
**Deadline: 2025-02-24**
Relation: CEN
Identisk med prEN 18151
**Køleskabe og frysere til laboratorieanvendelser og medicinske anvendelser – Terminologi, krav, prøvning**
This document is applicable to refrigerating and freezing storage appliances:
– which are equipped with a cooling unit and used for specified storage applications and
– which are intended to be set up in a room with a specified ambient temperature range and a relative humidity of ≤ 75 %.
This document is not applicable to:
– cooled incubators;
– refrigerated cells and refrigerated containers > 2 000 l;
– refrigeration during transport.

Projektleder: Pernille Rasmussen

## 97.080
**Rengøringsudstyr**
Cleaning appliances

### Offentliggjorte forslag

**DSF/prEN IEC/ASTM 62885-6:2024**
**Deadline: 2025-02-06**
Relation: CLC
Identisk med IEC/ASTM 62885-6:2023 ED2
og prEN IEC/ASTM 62885-6:2024
**Apparater til overfladerengøring – Del 6: Apparater til husholdningsbrug eller lignende beregnet til vådrengøring af hårde gulve – Metoder til måling af ydelse**
This part of IEC 62885 is applicable for measurements of the performance of mains-operated and cordless wet hard floor cleaning appliances for household or similar use. In the case of appliances with combined functionality, this document only addresses the wet cleaning functionality. The purpose of this document is to specify essential performance characteristics of wet hard floor cleaning appliances that are of interest to users and to describe methods for measuring these characteristics.
NOTE 1 – Owing to the influence of environmental conditions, variations in time, origin of test materials and proficiency of the operator, most of the described test methods give more reliable results when applied to comparative testing of a number of appliances at the same time, in the same laboratory and by the same operator.
NOTE 2 – This document is not intended for cleaning appliances according to IEC 60335-2-79 and robotic wet hard floor cleaning appliances. For safety requirements, reference is made to IEC 60335-1, IEC 60335-2-2, IEC 60335-2-10, and IEC 60335-2-54. A recommendation on information for the consumer at the point of sale is given in Annex B.

Projektleder: Pernille Annette Henriksen

## 97.130.20
**Kommercielle kølemøbler**
Commercial refrigerating appliances

### Offentliggjorte forslag

**DSF/ISO/DIS 22043**
**Deadline: 2025-02-08**
Relation: ISO
Identisk med ISO/DIS 22043
**Isfrysere – Klassifikation, krav og prøvningsbetingelser**
This document specifies the classification for horizontal closed ice-cream freezer with access of the product from the top via transparent or solid lid(s) and specifies their requirements and test methods.
The ice-cream freezers defined in this document are different from supermarket segment freezers, as they work with static air cooling, with a skin evaporator (no evaporator fan) and are used specifically for the storage and display of pre-packed ice-cream.
This document is only applicable to integral type refrigeration systems. It is not applicable to remote and secondary system type cabinets. Ice-cream freezers defined in this document are intended to have a net volume ≤600 l. For transparent lid ice-cream freezers only, they are intended to have a net volume/TDA ≥ 0,35 m.

Projektleder: Charlotte Vartou Forsingdal

**DSF/ISO/DIS 22044**
**Deadline: 2025-02-03**
Relation: ISO
Identisk med ISO/DIS 22044
**Drikkevarekøleskabe til erhvervsbrug – Klassifikation, krav og prøvningsbetingelser**
This document specifies the classification for commercial beverage coolers and their requirements and test methods. This document is applicable to integral refrigeration systems.
This document is not applicable to remote and secondary system cabinets.

Projektleder: Charlotte Vartou Forsingdal

**DSF/prEN ISO 22043**
**Deadline: 2025-02-19**
Relation: CEN
Identisk med ISO/DIS 22043
og prEN ISO 22043
**Isfrysere – Klassifikation, krav og prøvningsbetingelser**
This document specifies the classification for horizontal closed ice-cream freezer with access of the product from the top via transparent or solid lid(s) and specifies their requirements and test methods.
The ice-cream freezers defined in this document are different from supermarket segment freezers, as they work with static air cooling, with a skin evaporator (no evaporator fan) and are used specifically for the storage and display of pre-packed ice-cream.
This document is only applicable to integral type refrigeration systems. It is not applicable to remote and secondary system type cabinets. Ice-cream freezers defined in this document are intended to have a net volume ≤600 l. For transparent lid ice-cream freezers only, they are intended to have a net volume/TDA ≥ 0,35 m.

Projektleder: Pernille Rasmussen

**DSF/prEN ISO 22044**
**Deadline: 2025-02-12**
Relation: CEN
Identisk med ISO/DIS 22044
og prEN ISO 22044
**Drikkevarekøleskabe til erhvervsbrug – Klassifikation, krav og prøvningsbetingelser**
This document specifies the classification for commercial beverage coolers and their requirements and test methods. This document is applicable to integral refrigeration systems.
This document is not applicable to remote and secondary system cabinets.

Projektleder: Pernille Rasmussen

## 97.140
**Møbler**
Furniture

### Offentliggjorte forslag

**DSF/ISO/DIS 4211-6**
**Deadline: 2025-02-08**
Relation: ISO
Identisk med ISO/DIS 4211-6
**Møbler – Prøvning af overflader – Del 6: Bestemmelse af overfladers ridsemodstand**
This document specifies a method for the assessment of the surface resistance to first visible scratching traces (e. g. scratches, marks) that may also be a change in the gloss.
It relates to the rigid surfaces of all finished products, regardless of their material.
It does not apply to finishes on leather and fabrics.
The test is intended to be carried out on a part of finished furniture. It can however

be carried out on test panels of the same material, finished in an identical manner to the finished product, and of a size sufficient to meet the requirements of the test.

It is essential that the test be carried out on unused surfaces without any defects or damages.

Projektleder: Helle Harms

## 97.150
**Ikke-textile gulvbelægninger**
Non-textile floor coverings

### Offentliggjorte forslag

**DSF/ISO/DIS 11378-2**
**Deadline: 2025-03-01**
Relation: ISO
Identisk med ISO/DIS 11378-2
**Tekstilgulvbelægninger – Tilsmudsning i laboratorium – Del 2: Tromleprøvning**
This part of ISO 11378 describes the equipment and the test method for assessing the propensity of textile floor coverings to soiling in the absence of abrasive wear and texture changes using a standard artificial soil composition.

This test method is applicable for use in testing unused textile floor coverings of all types.

The scope of this test method can be extended to assess the effects of fibre finishes, cleaning chemicals and cleaning equipment (see annex A).

Projektleder: Marika Englén

**DSF/ISO/DIS 23999**
**Deadline: 2025-02-08**
Relation: ISO
Identisk med ISO/DIS 23999
**Elastiske gulvbelægninger – Bestemmelse af dimensionsstabilitet og vertikal deformation efter varmepåvirkning**
This document specifies methods for determining dimensional stability and curling (vertical deformation) of resilient floor coverings in all forms (e.g. of sheets, tiles, panels, planks or in roll form) after exposure to heat and/or after reconditioning.

Projektleder: Marika Englén

**DSF/prEN ISO 11378-2**
**Deadline: 2025-02-26**
Relation: CEN
Identisk med prEN ISO 11378-2
**Tekstilgulvbelægninger – Tilsmudsning i laboratorium – Del 2: Tromleprøvning**

Projektleder: Marika Englén

**DSF/prEN ISO 23999**
**Deadline: 2025-02-19**
Relation: CEN
Identisk med ISO/DIS 23999
og prEN ISO 23999
**Elastiske gulvbelægninger – Bestemmelse af dimensionsstabilitet og vertikal deformation efter varmepåvirkning**
This document specifies methods for determining dimensional stability and curling (vertical deformation) of resilient floor coverings in all forms (e.g. of sheets, tiles, panels, planks or in roll form) after exposure to heat and/or after reconditioning.

Projektleder: Marika Englén

## 97.190
**Udstyr til børn**
Equipment for children

### Nye Standarder

**DS/CEN/TR 18137:2024**
DKK 320,00
Identisk med CEN/TR 18137:2024
**Høje barnestole og læringstårne – Samlede fortolkninger af standarder fra CEN/TC 364**
Gathering the responses to the various interpretation requests received over the years into a single document to be referred to.

Projektleder: Helle Harms

## 97.195
**Kunst- og kunsthåndværksartikler**
Items of art and handicrafts

### Nye Standarder

**DS/EN 16141:2024**
DKK 355,00
Identisk med EN 16141:2024
**Bevaring af kulturarv – Retningslinjer for forvaltning af klimatiske forhold – Magasinområder – Definitioner og karakteristika for bygninger målrettet bevaring og forvaltning af kulturarv**
This document defines the functions and characteristics of collection storage facilities. These can be independent or integrated into cultural institutions. They are dedicated to the preservation, storage, management of, and access to, collections.

NOTE – For the infrastructure and technical equipment of these collection storage facilities, see EN 16893:2018.

Projektleder: Erling Richard Trudsø

## 97.200.50
**Legetøj**
Toys

### Nye Standarder

**DS/EN 71-13:2021+A2:2024**
DKK 525,00
Identisk med EN 71-13:2021+A2:2024
**Legetøj – Sikkerhedskrav – Del 13: Brætspil til træning af smags- og lugtesans, makeupsæt og spil, der stimulerer smagssansen**
This document applies to olfactory board games, cosmetic kits, gustative games and supplementary sets. It specifies requirements on the use of substances and mixtures and in some cases on their amount and concentration in olfactory board games, cosmetic kits, gustative games and supplementary sets to such games or kits.

These substances and mixtures are:

- those classified as hazardous by the EC-legislation applying to hazardous substances [13] and hazardous mixtures [13];

- substances and mixtures which in excessive amounts could harm the health of the children using them and which are not classified as hazardous by the above-mentioned legislation; and

- any other chemical substance(s) and mixture(s) delivered with the set.

Furthermore, this document specifies allergenic fragrances which are prohibited in toys, marking requirements, in particular regarding allergenic fragrances, and requirements on a contents list, instructions for use, the equipment intended to be used during the activity and the use of highly flammable liquids.

This document does not apply to cosmetic toys such as play cosmetics for dolls.

NOTE – The terms "substance" and "mixture" are defined in the REACH regulation (EC) No. 1907/2006 [14] and in the CLP regulation (EC) No. 1272/2008 [13].

Projektleder: Pernille Annette Henriksen

**DS/EN 71-3:2019+A2:2024**
DKK 810,00
Identisk med EN 71-3:2019+A2:2024
**Legetøj – Sikkerhedskrav – Del 3: Migration af visse grundstoffer**
This document specifies requirements and test methods for the migration of aluminium, antimony, arsenic, barium, boron, cadmium, Chromium (III), Chromium (VI), cobalt, copper, lead, manganese, mercury, nickel, selenium, strontium, tin, organic tin and zinc from toy materials and from parts of toys.

Packaging materials are not considered to be part of the toy unless they have intended play value.

NOTE 1 – See the European Commission guidance document no. 12 on the application of the Directive on the safety of toys – packaging [2].

The standard contains requirements for the migration of certain elements from the following categories of toy materials:

- Category I: Dry, brittle, powder like or pliable materials;

- Category II: Liquid or sticky materials;

- Category III: Scraped-off materials.

The requirements of this document do not apply to toys or parts of toys which, due to their accessibility, function, volume or mass, clearly exclude any hazard due to sucking, licking or swallowing or prolonged skin contact when the toy or part of toy is used as intended or in a foreseeable way, bearing in mind the behaviour of children.

NOTE 2 – For the purposes of this document, for the following toys and parts of toys the likelihood of sucking, licking or swallowing toys is considered significant (see H.2 and H.3):

- All toys intended to be put in the mouth or to the mouth, cosmetics toys and writing instruments categorized as toys can be considered to be sucked, licked or swallowed;

- All the accessible parts and components of toys intended for children up to 6 years of age can be considered to come into contact with the mouth. The likelihood of mouth contact with parts of toys intended for older children is not considered significant in most cases (see H.2).

Projektleder: Pernille Annette Henriksen

## 97.220.20
**Vintersportsudstyr**
Winter sports equipment

### Nye Standarder

**DS/EN ISO 10256-1:2024**
DKK 440,00
Identisk med ISO 10256-1:2024
og EN ISO 10256-1:2024
**Beskyttelsesudstyr til brug i ishockey – Del 1: Generelle krav**
This document specifies general requirements and test methods for head, face, eye, neck, and body protectors (hereafter referred to as protectors) for use in ice hockey.
This document is intended only for protectors used for ice hockey.

Projektleder: Merete Westergaard Bennick

**DS/EN ISO 10256-2:2024**
DKK 575,00
Identisk med ISO 10256-2:2024
og EN ISO 10256-2:2024
**Beskyttelsesudstyr til brug i ishockey – Del 2: Hovedbeskyttelse til skatere**
This document specifies performance requirements and test methods for head protectors for use in ice hockey.
This document is applicable to head protectors worn by ice hockey players excluding goalkeepers and by referees.

Projektleder: Merete Westergaard Bennick

**DS/EN ISO 10256-3:2024**
DKK 665,00
Identisk med ISO 10256-3:2024
og EN ISO 10256-3:2024
**Beskyttelsesudstyr til brug i ishockey – Del 3: Ansigts- og øjenbeskyttere til skatere**
This document specifies performance requirements and test methods for eye and face protectors for use in ice hockey only.
This document is applicable to eye and face protectors worn by ice hockey players other than goalkeepers and by referees.

Projektleder: Merete Westergaard Bennick

**DS/EN ISO 10256-4:2024**
DKK 525,00
Identisk med ISO 10256-4:2024
og EN ISO 10256-4:2024
**Beskyttelsesudstyr til brug i ishockey – Del 4: Hoved- og ansigtsbeskyttelse til målmænd**
This document specifies performance requirements and test methods for head and face protectors for use by ice hockey goalkeepers only.

Projektleder: Merete Westergaard Bennick

**DS/ISO 10256-2:2024**
DKK 525,00
Identisk med ISO 10256-2:2024
**Beskyttelsesudstyr til brug i ishockey – Del 2: Hovedbeskyttelse til skatere**
This document specifies performance requirements and test methods for head protectors for use in ice hockey.
This document is applicable to head protectors worn by ice hockey players excluding goalkeepers and by referees.

## 97.220.40
**Udstyr til udendørs sport og vandsport**
Outdoor and water sports equipment

### Nye Standarder

**DS/EN ISO 25649-2:2024**
DKK 575,00
Identisk med ISO 25649-2:2024
og EN ISO 25649-2:2024
**Flydende fritidsprodukter til brug på og i vandet – Del 2: Forbrugerinformation**
This document specifies consumer information for classified floating leisure articles for use on and in water according to ISO 25649-1:2024.

Projektleder: Mette Juul Sandager

**DS/EN ISO 25649-3:2024**
DKK 525,00
Identisk med ISO 25649-3:2024
og EN ISO 25649-3:2024
**Flydende fritidsprodukter til brug på og i vandet – Del 3: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse A-udstyr**
This document specifies additional specific safety requirements and test methods for Class A floating leisure articles for use on and in the water regardless whether the buoyancy is achieved by inflation or inherent buoyant material.
This document is applicable for Class A floating leisure articles as specified in ISO 25649-1:2024, Table 1.
NOTE 1 Typical products in Class A (see Figures A.1 to A.3):
– "Floating Islands" in near round or square shaped forms decorated with palm tree, sun shade, etc. high superstructure;
– large floats/rafts in various shapes, from round to square;
– large floating tubes, giant tubes (inflatable or inherently buoyant);
– floating arm chairs, seats and sun beds;
– air mattresses for use on the water;
– recreational rafts/floating platforms/ pontoons.
NOTE 2 Typical places for application:
– pools;
– protected areas of lakes, ponds;
– protected area sea shore (no offshore winds, no currents).

Projektleder: Mette Juul Sandager

**DS/EN ISO 25649-4:2024**
DKK 665,00
Identisk med ISO 25649-4:2024
og EN ISO 25649-4:2024
**Flydende fritidsprodukter til brug på og i vandet – Del 4: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse B-udstyr**
This document specifies additional specific safety requirements and test methods for Class B floating leisure articles for use on and in the water regardless whether the buoyancy is achieved by inflation or inherent buoyant material.
This document is applicable for Class B floating leisure articles as specified in ISO 25649-1:2024, Table 1.
Class B devices provide a buoyant structure with one or more body openings into which the user is positioned partly immersed.
NOTE 1 Typical products in Class B (see Annex B):
– floating rafts with interior body holding system ("swim seats") mostly in circular or square shape, fantasy shape for playing purposes;
– floating fantasy shaped structures with one or more openings to host a child's body, with or without body holding system;
– floating with slits or openings to put legs through any shape;
– floating rings with interior seat segments inside the circular body opening.
NOTE 2 Typical places for application:
– pools;
– protected areas of lakes, ponds;
– protected areas of sea shore (no offshore winds, no currents).

Projektleder: Mette Juul Sandager

**DS/EN ISO 25649-5:2024**
DKK 665,00
Identisk med ISO 25649-5:2024
og EN ISO 25649-5:2024
**Flydende fritidsprodukter til brug på og i vandet – Del 5: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse C-udstyr**
This document specifies additional specific safety requirements and test methods for Class C floating leisure articles for use on and in the water regardless whether the buoyancy is achieved by inflation or inherent buoyant material.
This document is applicable for Class C floating leisure articles as specified in ISO 25649-1:2024, Table 1.
NOTE 1 Typical products forming Class C (see Annex B):
– tube riders towable with interior holding facility and closed cockpit;
– raft riders towable;
– board riders towable;
– banana type towable.
NOTE 2 Typical places for application:
– distant from bathing areas and other frequented water surfaces, wide empty spaces, dedicated racetracks (parcours);
– no to little waves;
– no strong currents.

Projektleder: Mette Juul Sandager

**DS/EN ISO 25649-6:2024**
DKK 747,00
Identisk med ISO 25649-6:2024
og EN ISO 25649-6:2024
**Flydende fritidsprodukter til brug på og i vandet – Del 6: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse D-udstyr**
This document specifies safety requirements and test methods related to materials, safety, performance and consumer information for classified floating leisure articles for use on and in the water according to ISO 25649-1:2024.
This document is applicable to Class D floating leisure articles for use on and in water according to ISO 25649-1:2024 regardless whether the buoyancy is achie-

ved by inflation or inherent buoyant material.

NOTE 1 Typical products forming Class D (see Figure A.1 and Figure A.2):

– inflatable climbing structures on the water;

– bouncing platforms;

– inflatable slides;

– water trampolines;

– teeter totters;

– obstacle courses.

NOTE 2 Typical places for application:

– pools;

– lakes, ponds;

– open sea;

– sea shore (no offshore winds, no currents).

Projektleder: Mette Juul Sandager

**DS/EN ISO 25649-7:2024**

DKK 665,00

Identisk med ISO 25649-7:2024

og EN ISO 25649-7:2024

**Flydende fritidsprodukter til brug på og i vandet – Del 7: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse E-udstyr**

This document specifies additional specific safety requirements and test methods for Class E floating leisure articles for use on and in the water regardless whether the buoyancy is achieved by inflation or inherent buoyant material.

This document is applicable for Class E floating leisure articles as specified in ISO 25649-1:2024, Table 1.

Class E devices are inflatable boats of a buoyancy of less than 1 800 N with a hull length of more than 1,2 m and less than 2,5 m.

Class E devices are intended for use in bathing areas or in protected and safe shore zones.

NOTE 1 Typical products forming Class E (see Annex F):

– inflatable boats for rowing or paddling of near oval shape with or without transom;

– canoes and kayaks;

– inflatable boats made from plastic sheets or from reinforced materials;

– motor kit/sail kit as additional option.

NOTE 2 Typical applications of Class E devices:

– moving from one place to another for pleasure purposes;

– staying on the water for relaxing;

– moving from shore to the main boat, transportation of persons and load (tender boat).

Projektleder: Mette Juul Sandager

**DS/ISO 25649-4:2024**

DKK 575,00

Identisk med ISO 25649-4:2024

**Flydende fritidsprodukter til brug på og i vandet – Del 4: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse B-udstyr**

This document specifies additional specific safety requirements and test methods for Class B floating leisure articles for use on and in the water regardless whether the buoyancy is achieved by inflation or inherent buoyant material.

This document is applicable for Class B floating leisure articles as specified in ISO 25649-1:2024, Table 1.

Class B devices provide a buoyant structure with one or more body openings into which the user is positioned partly immersed.

NOTE 1 Typical products in Class B (see Annex B):

– floating rafts with interior body holding system ("swim seats") mostly in circular or square shape, fantasy shape for playing purposes;

– floating fantasy shaped structures with one or more openings to host a child's body, with or without body holding system;

– floating with slits or openings to put legs through any shape;

– floating rings with interior seat segments inside the circular body opening.

NOTE 2 Typical places for application:

– pools;

– protected areas of lakes, ponds;

– protected areas of sea shore (no offshore winds, no currents).

Projektleder: Mette Juul Sandager

**DS/ISO 25649-6:2024**

DKK 665,00

Identisk med ISO 25649-6:2024

**Flydende fritidsprodukter til brug på og i vandet – Del 6: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse D-udstyr**

This document specifies safety requirements and test methods related to materials, safety, performance and consumer information for classified floating leisure articles for use on and in the water according to ISO 25649-1:2024.

This document is applicable to Class D floating leisure articles for use on and in water according to ISO 25649-1:2024 regardless whether the buoyancy is achieved by inflation or inherent buoyant material.

NOTE 1 Typical products forming Class D (see Figure A.1 and Figure A.2):

– inflatable climbing structures on the water;

– bouncing platforms;

– inflatable slides;

– water trampolines;

– teeter totters;

– obstacle courses.

NOTE 2 Typical places for application:

– pools;

– lakes, ponds;

– open sea;

– sea shore (no offshore winds, no currents).

Projektleder: Mette Juul Sandager

**DS/ISO 25649-7:2024**

DKK 575,00

Identisk med ISO 25649-7:2024

**Flydende fritidsprodukter til brug på og i vandet – Del 7: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse E-udstyr**

This document specifies additional specific safety requirements and test methods for Class E floating leisure articles for use on and in the water regardless whether the buoyancy is achieved by inflation or inherent buoyant material.

This document is applicable for Class E floating leisure articles as specified in ISO 25649-1:2024, Table 1.

Class E devices are inflatable boats of a buoyancy of less than 1 800 N with a hull length of more than 1,2 m and less than 2,5 m.

Class E devices are intended for use in bathing areas or in protected and safe shore zones.

NOTE 1 Typical products forming Class E (see Annex F):

– inflatable boats for rowing or paddling of near oval shape with or without transom;

– canoes and kayaks;

– inflatable boats made from plastic sheets or from reinforced materials;

– motor kit/sail kit as additional option.

NOTE 2 Typical applications of Class E devices:

– moving from one place to another for pleasure purposes;

– staying on the water for relaxing;

– moving from shore to the main boat, transportation of persons and load (tender boat).

Projektleder: Mette Juul Sandager

## 99.300.10
**Byggepakken**

## Nye Standarder

**DS 439:2024**

DKK 500,00

**Vandinstallationer**

This Code of Practice applies to water supply installations connected to public or private water supply systems or to smaller private systems. The functional requirements of this Code also applies to rainwater installations, which are part of the pipe system supplying toilets and washing machines with rainwater from a tank or a similar container. Rainwater supply systems shall be designed according to "Rørcenter-anvisning 003. Use of rainwater to toilets and washing machines in dwellings". The code applies to both new installations and to improvements and additions to existing systems. Repair of pipes and minor alterations such as replacement of sanitary equipment, fittings, apparatus, containers, etc., can be made with materials and according to methods that were allowed at the time of the existing installation. The water supply installation covers installations in buildings and in the ground within the site.

Projektleder: Henryk Stawicki

# Nye DS-godkendte standarder fra CEN, CENELEC og ETSI

**Nedenstående publikationer er godkendt som Dansk og Europæisk standard og for ETSI's vedkommende som Dansk Telekommunikations Standard. Publikationerne er under udgivelse og kan indtil dette sker erhverves hos Dansk Standard i form af den ratificerede tekst.**

## Europæiske standarder fra CEN

**DS/EN 81-41:2024**
Godkendt som DS: 2024-12-02
Varenummer: M307401
**Sikkerhedsregler for konstruktion og installation af elevatorer – Specialelevatorer til transport af personer og gods – Del 41: Vertikale løfteplatforme til personer med hæmmede bevægelsesmuligheder**

**DS/EN 14071:2024**
Godkendt som DS: 2024-12-02
Varenummer: M348420
**LPG-udstyr og -tilbehør – Trykaflastningsventiler til LPG-trykbeholdere – Supplerende udstyr**

**DS/EN 14129:2024**
Godkendt som DS: 2024-12-02
Varenummer: M348019
**LPG-udstyr og -tilbehør – Trykaflastningsventiler til LPG-tryktanke**

**DS/EN ISO 25649-6:2024**
Godkendt som DS: 2024-12-02
Varenummer: M355119
**Flydende fritidsprodukter til brug på og i vandet – Del 6: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse D-udstyr**

**DS/EN ISO 25649-2:2024**
Godkendt som DS: 2024-12-02
Varenummer: M355120
**Flydende fritidsprodukter til brug på og i vandet – Del 2: Forbrugerinformation**

**DS/EN ISO 25649-5:2024**
Godkendt som DS: 2024-12-02
Varenummer: M355121
**Flydende fritidsprodukter til brug på og i vandet – Del 5: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse C-udstyr**

**DS/EN ISO 25649-3:2024**
Godkendt som DS: 2024-12-02
Varenummer: M355122
**Flydende fritidsprodukter til brug på og i vandet – Del 3: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse A-udstyr**

**DS/EN ISO 25649-7:2024**
Godkendt som DS: 2024-12-02
Varenummer: M355124
**Flydende fritidsprodukter til brug på og i vandet – Del 7: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse E-udstyr**

**DS/EN ISO 25649-4:2024**
Godkendt som DS: 2024-12-02
Varenummer: M355123
**Flydende fritidsprodukter til brug på og i vandet – Del 4: Yderligere specifikke sikkerhedskrav og prøvningsmetoder til klasse B-udstyr**

**DS/EN 17700-3:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375106
**Biostimulanter til planter – Deklarering – Del 3: Tolerance over for abiotisk stress som resultat af brugen af biostimulanter til planter**

**DS/EN 17723:2024**
Godkendt som DS: 2024-12-02
Varenummer: M374421
**Biostimulanter til planter – Bestemmelse af klorid**

**DS/EN 17700-2:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375107
**Biostimulanter til planter – Deklarering – Del 2: Effektiv brug af næringsstof som resultat af brugen af biostimulanter til planter**

**DS/EN 17700-4:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375111
**Biostimulanter til planter – Deklarering – Del 4: Bestemmelse af kvalitetsegenskaber som resultat af brugen af biostimulanter til planter**

**DS/EN 17724:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375109
**Biostimulanter til planter – Terminologi**

**DS/EN 17701-3:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375116
**Biostimulanter til planter – Bestemmelse af specifikke elementer – Del 3: Bestemmelse af kviksølv**

**DS/EN 17701-2:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375118
**Biostimulanter til planter – Bestemmelse af specifikke elementer – Del 2: Bestemmelse af totalindhold af Cd, Pb, Ni, As, Cr, Cu og Zn**

**DS/EN 17701-1:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375121
**Biostimulanter til planter – Bestemmelse af specifikke elementer – Del 1: Oplukning med kongevand til efterfølgende bestemmelse af elementer**

**DS/EN 17713:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375505
**Biostimulanter til planter – Bestemmelse af Azospirillum spp.**

**DS/EN 17712:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375516
**Biostimulanter til planter – Påvisning af Staphylococcus aureus**

**DS/EN 17708:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375515
**Biostimulanter til planter – Forberedelse af prøve til mikrobiel analyse**

**DS/EN 17711:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375492
**Biostimulanter til planter – Påvisning af Vibrio spp**

**DS/EN 17718:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375498
**Biostimulanter til planter – Bestemmelse af Rhizobium spp**

**DS/EN 17722:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375518
**Biostimulanter til planter – Bestemmelse af mykorrhizalsvampe**

**DS/EN 17714:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375493
**Biostimulanter til planter – Bestemmelse af mikroorganismers koncentration**

**DS/EN 17715:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375494
**Biostimulanter til planter – Påvisning af Shigella spp**

**DS/EN 17720:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375496
**Biostimulanter til planter – Bestemmelse af Enterococcaceae**

**DS/EN 17707:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375497
**Biostimulanter til planter – Bestemmelse af indhold af gær- og skimmelsvampe**

**DS/EN 17709:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375499
**Biostimulanter til planter – Bestemmelse af Azotobacter spp.**

**DS/EN 4474:2024**
Godkendt som DS: 2024-12-02
Varenummer: M376296
**Flymateriel**

**DS/EN 4473:2024**
Godkendt som DS: 2024-12-02
Varenummer: M376303
**Flymateriel**

**DS/EN 17702-2:2024**
Godkendt som DS: 2024-12-02
Varenummer: M376286
**Biostimulanter til planter – Prøvetagning og prøveforberedelse – Del 2: Prøveforberedelse**

**DS/EN 17700-1:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375115
**Biostimulanter til planter – Deklarering – Del 1: Generelle principper**

**DS/EN 17702-1:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375113
**Biostimulanter til planter – Prøvetagning og -forberedelse – Del 1: Prøvetagning**

**DS/EN 17704:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375110
**Biostimulanter til planter – Bestemmelse af tørstof**

**DS/EN 17710:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375500
**Biostimulanter til planter – Påvisning af Listeria monocytogenes**

**DS/EN 17717:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375502
**Biostimulanter til planter – Påvisning af Salmonella spp.**

**DS/EN 17719:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375507
**Biostimulanter til planter – Bestemmelse af anaerobt kimtal**

**DS/EN 17725:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375513
**Biostimulanter til planter – Bestemmelse af kvantitet (indikeret ved masse eller volumen)**

**DS/EN 17716:2024**
Godkendt som DS: 2024-12-02
Varenummer: M375503
**Biostimulanter til planter – Bestemmelse af Escherichia coli**

**DS/EN ISO 14880-2:2024**
Godkendt som DS: 2024-12-02
Varenummer: M376585
**Optik og fotonik – Integreret optik – Del 2: Prøvningsmetoder for bølgeafvigelser**

**DS/EN 17703:2024**
Godkendt som DS: 2024-12-02
Varenummer: M376045
**Biostimulanter til planter – Bestemmelse af chrom(VI)**

**DS/EN 17706:2024**
Godkendt som DS: 2024-12-02
Varenummer: M376046
**Biostimulanter til planter – Bestemmelse af uorganisk arsenik**

**DS/EN 17705:2024**
Godkendt som DS: 2024-12-02
Varenummer: M376047
**Biostimulanter til planter – Bestemmelse af fosfonater**

**DS/EN 754-2:2024**
Godkendt som DS: 2024-12-02
Varenummer: M376287
**Aluminium og aluminiumlegeringer – Koldtrukne stænger og rør – Del 2: Mekaniske egenskaber**

**DS/EN ISO 7197:2024**
Godkendt som DS: 2024-12-02
Varenummer: M378138
**Neurokirurgiske implantater – Sterile hydrocefalusshunter og komponenter til engangsbrug**

**DS/EN 16916:2024**
Godkendt som DS: 2024-12-02
Varenummer: M377253
**Materialer fra udtjente dæk (ELT) – Bestemmelse af specifikke krav til prøveudtagning og bestemmelse af fugtindhold ved hjælp af ovntørringsmetoden**

**DS/EN 17984-6:2024**
Godkendt som DS: 2024-12-02
Varenummer: M377392
**Servicehunde – Del 6: Tilgængelighed og universel adgang**

**DS/EN ISO 19397:2024**
Godkendt som DS: 2024-12-02
Varenummer: M382598
**Malinger og lakker – Bestemmelse af coatingers filmtykkelse ved anvendelse af en ultralydmåler**

**DS/EN ISO 4628-3:2024**
Godkendt som DS: 2024-12-02
Varenummer: M379681
**Malinger og lakker – Evaluering af mængde og størrelse af defekter og intensitet af ensartede ændringer i udseende – Del 3: Vurdering af rustgrad**

**DS/EN ISO 20236:2024**
Godkendt som DS: 2024-12-02
Varenummer: M379679
**Vandundersøgelse – Bestemmelse af totalt organisk kulstof (TOC), opløst organisk kulstof (DOC), totalt bundet kvælstof (TNb) og opløst bundet kvælstof (DNb) efter katalytisk oxidationsforbrænding ved høj temperatur**

**DS/EN 12814-8:2024**
Godkendt som DS: 2024-12-02
Varenummer: M377535
**Prøvning af svejste samlinger på halvfabrikata i termoplast – Del 8: Krav**

**DS/EN 17184:2024**
Godkendt som DS: 2024-12-02
Varenummer: M380188
**Intelligente transportsystemer – eSafety – Fuld overensstemmelsesprøvning af IMS-eCall baseret på pakkekoblede systemer**

**DS/EN 10265:2024**
Godkendt som DS: 2024-12-02
Varenummer: M380199
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Godkendt som DS: 2024-12-02
Varenummer: M382387
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**DS/EN ISO 10855-1:2024**
Godkendt som DS: 2024-12-02
Varenummer: M382388
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Godkendt som DS: 2024-12-02
Varenummer: M382221
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Godkendt som DS: 2024-12-02
Varenummer: M386953
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Godkendt som DS: 2024-12-02
Varenummer: M377526
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**DS/EN 17988-4:2024**
Godkendt som DS: 2024-12-02
Varenummer: M377524
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**DS/CEN/TS 18099:2024**
Godkendt som DS: 2024-12-03
Varenummer: M384596
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Godkendt som DS: 2024-12-03
Varenummer: M389978
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Godkendt som DS: 2024-12-03
Varenummer: M384585
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Godkendt som DS: 2024-12-03
Varenummer: M383844
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**DS/EN 17988-3:2024**
Godkendt som DS: 2024-12-03
Varenummer: M377538
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**DS/EN 17988-2:2024**
Godkendt som DS: 2024-12-03
Varenummer: M377532
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Godkendt som DS: 2024-12-03
Varenummer: M377525
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Godkendt som DS: 2024-12-03
Varenummer: M377522
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**DS/EN 17958:2024**
Godkendt som DS: 2024-12-03
Varenummer: M374404
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Godkendt som DS: 2024-12-03
Varenummer: M389977
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**DS/CEN/TS 16629:2024**
Godkendt som DS: 2024-12-04
Varenummer: M381646
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Godkendt som DS: 2024-12-04
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Godkendt som DS: 2024-12-04
Varenummer: M377682
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Varenummer: M373286
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**DS/EN 17700-5:2024**
Godkendt som DS: 2024-12-05
Varenummer: M375120
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Godkendt som DS: 2024-12-05
Varenummer: M375520
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Godkendt som DS: 2024-12-09
Varenummer: M377550
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Godkendt som DS: 2024-12-09
Varenummer: M377548
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**DS/EN 16141:2024**
Godkendt som DS: 2024-12-09
Varenummer: M377249
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Godkendt som DS: 2024-12-09
Varenummer: M379117
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Godkendt som DS: 2024-12-09
Varenummer: M379510
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Godkendt som DS: 2024-12-09
Varenummer: M375848
**Flymateriel**

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Godkendt som DS: 2024-12-09
Varenummer: M373295
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Godkendt som DS: 2024-12-09
Varenummer: M375948
**Flymateriel**

**DS/EN 4869-001:2024**
Godkendt som DS: 2024-12-09
Varenummer: M375944
**Flymateriel**

**DS/EN 4869-102:2024**
Godkendt som DS: 2024-12-09
Varenummer: M375947
**Flymateriel**

**DS/EN 4869-103:2024**
Godkendt som DS: 2024-12-09
Varenummer: M375949
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Godkendt som DS: 2024-12-09
Varenummer: M380189
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Godkendt som DS: 2024-12-09
Varenummer: M375758
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Godkendt som DS: 2024-12-09
Varenummer: M383964
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Godkendt som DS: 2024-12-09
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Godkendt som DS: 2024-12-10
Varenummer: M387603
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Godkendt som DS: 2024-12-10
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Varenummer: M376207
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Godkendt som DS: 2024-12-11
Varenummer: M382528
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Godkendt som DS: 2024-12-12
Varenummer: M379508
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Godkendt som DS: 2024-12-12
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Varenummer: M379293
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Godkendt som DS: 2024-12-12
Varenummer: M380365
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**DS/EN ISO 7533:2024**
Godkendt som DS: 2024-12-12
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**DS/EN 12978:2024**
Godkendt som DS: 2024-12-16
Varenummer: M354027
**Porte til industri og andre erhverv samt garageporte – Sikkerhedsanordninger til elstyrede porte – Krav og prøvningsmetoder**

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Godkendt som DS: 2024-12-16
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Godkendt som DS: 2024-12-16
Varenummer: M375529
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Godkendt som DS: 2024-12-16
Varenummer: M374582
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Godkendt som DS: 2024-12-16
Varenummer: M356589
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Godkendt som DS: 2024-12-16
Varenummer: M356598
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Godkendt som DS: 2024-12-16
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Godkendt som DS: 2024-12-16
Varenummer: M356595
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Godkendt som DS: 2024-12-16
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Godkendt som DS: 2024-12-16
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Godkendt som DS: 2024-12-16
Varenummer: M376090
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Godkendt som DS: 2024-12-16
Varenummer: M360701
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**DS/EN 17976:2024**
Godkendt som DS: 2024-12-16
Varenummer: M376121
**Jernbaner – Forspænding af jernbanekøretøjer og -komponeter**

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Godkendt som DS: 2024-12-16
Varenummer: M383134
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Godkendt som DS: 2024-12-16
Varenummer: M380042
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Godkendt som DS: 2024-12-16
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Godkendt som DS: 2024-12-16
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Godkendt som DS: 2024-12-16
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**DS/EN ISO 21922:2021/A1:2024**
Godkendt som DS: 2024-12-16
Varenummer: M375682
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Godkendt som DS: 2024-12-16
Varenummer: M386242
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Godkendt som DS: 2024-12-16
Varenummer: M386238
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Godkendt som DS: 2024-12-16
Varenummer: M386240
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**DS/EN 15685:2024**
Godkendt som DS: 2024-12-17
Varenummer: M335730
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Godkendt som DS: 2024-12-17
Varenummer: M335534
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Godkendt som DS: 2024-12-17
Varenummer: M317574
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Godkendt som DS: 2024-12-17
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Godkendt som DS: 2024-12-18
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**DS/EN 45560:2024**
Godkendt som DS: 2024-12-04
Varenummer: M373329
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**DS/EN 16605:2024**
Godkendt som DS: 2024-12-10
Varenummer: M382651
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Godkendt som DS: 2024-12-17
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**DS/EN IEC 61010-2-201:2024**
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Varenummer: M345097
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Godkendt som DS: 2024-12-02
Varenummer: M382808
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Godkendt som DS: 2024-12-03
Varenummer: M357292
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Godkendt som DS: 2024-12-03
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Godkendt som DS: 2024-12-06
Varenummer: M342868
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Godkendt som DS: 2024-12-09
Varenummer: M372702
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**Eksplosive atmosfærer – Del 11: Materielbeskyttelse ifølge princip "i" om egensikkerhed**

**DS/EN IEC 60691:2023/A1:2024**
Godkendt som DS: 2024-12-09
Varenummer: M384102
**Termosikringer – Krav og anvendelsesvejledning**

**DS/HD 60364-7-701:2024/A11:2024**
Godkendt som DS: 2024-12-09
Varenummer: M372571
**Elektriske lavspændingsinstallationer – Del 7-701: Krav til særlige installationer eller områder – Områder med bad eller bruser**

**DS/EN 60143-2:2013/A1:2024**
Godkendt som DS: 2024-12-10
Varenummer: M348290
**Seriekondensatorer til kraftsystemer – Del 2: Beskyttelsesudstyr til seriekondensatorbatterier**

**DS/EN IEC 62052-31:2024**
Godkendt som DS: 2024-12-10
Varenummer: M375964
**Elmålingsudstyr – Generelle krav, prøvninger og prøvningsbetingelser – Del 31: Produktsikkerhedskrav og prøvninger**

**DS/EN 60079-6:2015/A1:2024**
Godkendt som DS: 2024-12-10
Varenummer: M325452
**Eksplosive atmosfærer – Del 6: Beskyttelse af materiel med oliekapsling "o"**

**DS/HD 60364-7-701:2024**
Godkendt som DS: 2024-12-10
Varenummer: M327511
**Elektriske lavspændingsinstallationer – Del 7-701: Krav til særlige installationer eller områder – Områder med bad eller bruser**

**DS/EN IEC 61851-24:2024**
Godkendt som DS: 2024-12-10
Varenummer: M340593
**Opladningssystem via ledningsforbindelse til elektriske køretøjer – Del 24: Digital kommunikation mellem d.c.-EV-ladestander og elkøretøj til styring af d.c.-opladning**

**DS/EN 60079-5:2015/A1:2024**
Godkendt som DS: 2024-12-10
Varenummer: M357483
**Eksplosive atmosfærer – Del 5: Materielbeskyttelse med sandfyldning "q"**

**DS/EN IEC 62288:2022/A1:2024**
Godkendt som DS: 2024-12-16
Varenummer: M385887
**Udstyr og systemer til maritim navigation og radiokommunikation – Præsentation af navigationsrelateret information på navigationsdisplays installeret på skibe – Generelle krav, prøvningsmetoder og krævede prøvningsresultater**

**DS/EN IEC 61347-2-13:2024**
Godkendt som DS: 2024-12-16
Varenummer: M364313
**Forkoblingsenheder til lamper – Sikkerhed – Del 2-13: Særlige krav til elektroniske forkoblingsenheder til LED-lyskilder**

**DS/EN IEC 61557-16:2024**
Godkendt som DS: 2024-12-16
Varenummer: M363201
**Elektrisk sikkerhed i lavspændingsdistributionssystemer op til 1 000 V a.c. og 1 500 V d.c. – Udstyr til prøvning, måling eller overvågning af beskyttelsesforanstaltninger – Del 16: Udstyr til prøvning af effektiviteten af beskyttelsesforanstaltninger for elektrisk udstyr og/eller medicinsk elektrisk udstyr**

**DS/EN IEC 60947-4-3:2024**
Godkendt som DS: 2024-12-16
Varenummer: M335757
**Lavspændingskoblingsudstyr – Del 4-3: Kontaktorer og motorstartere – Halvlederstyringer og halvlederkontaktorer til ikke-motorbelastninger**

**DS/EN IEC 63522-8:2024**
Godkendt som DS: 2024-12-16
Varenummer: M379400
**Elektriske relæer – Prøvninger og målinger – Del 8: Tid**

**DS/EN 50728:2024**
Godkendt som DS: 2024-12-16
Varenummer: M374621
**Jernbaner – Rullende materiel – EMC-prøvning af sporisolation**

**DS/EN IEC 61557-14:2024**
Godkendt som DS: 2024-12-16
Varenummer: M363202
**Elektrisk sikkerhed i lavspændingsdistributionssystemer op til 1 000 V a.c. og 1 500 V d.c – Udstyr til prøvning, måling eller overvågning af beskyttelsesforanstaltninger – Del 14: Udstyr til prøvning af sikkerheden af elektrisk udstyr i maskiner**

**DS/EN IEC 60825-4:2024**
Godkendt som DS: 2024-12-16
Varenummer: M310557
**Laserprodukters sikkerhed – Del 4: Laserskærme**

**DS/EN IEC 61557-13:2024**
Godkendt som DS: 2024-12-17
Varenummer: M363816
**Elektrisk sikkerhed i lavspændingsdistributionssystemer op til 1 000 V vekselstrøm og 1 500 V jævnstrøm – Udstyr til prøvning, måling eller overvågning af beskyttelsesforanstaltninger – Del 13: Håndholdte og håndbetjente strømtænger og sensorer til måling af lækstrøm i elektriske forsyningssystemer**

**DS/EN IEC 60747-15:2024**
Godkendt som DS: 2024-12-17
Varenummer: M379406
**Halvledere – Del 15: Diskrete halvledere – Isolerede effekthalvledere**

**DS/EN IEC 61347-2-2:2024**
Godkendt som DS: 2024-12-18
Varenummer: M364314
**Forkoblingsenheder til elektriske lyskilder – Sikkerhed – Del 2-2: Særlige krav til elektroniske step-down-konvertere til glødelamper**

**DS/EN IEC 61347-2-8:2024**
Godkendt som DS: 2024-12-18
Varenummer: M380043
**Forkoblingsudstyr til elektriske lyskilder – sikkerhed – Del 2-8: Særlige krav til forkoblingsenheder til lysstoflamper**

**DS/EN IEC 61347-2-12:2024**
Godkendt som DS: 2024-12-18
Varenummer: M380039
**Forkoblingsudstyr til elektriske lyskilder – sikkerhed – Del 2-12: Særlige krav til Særlige krav til a.c.- eller d.c.-forsynede forkoblingsenheder til udladningslamper (undtagen lysstoflamper)**

**DS/EN IEC 61347-2-3:2024**
Godkendt som DS: 2024-12-18
Varenummer: M380040
**Forkoblingsudstyr til elektriske lyskilder – sikkerhed – del 2-3: Særlige krav til a.c.- eller d.c.-forsynede elektroniske forkoblingsenheder til lysstoflamper**

**DS/CLC/TS 50712:2024**
Godkendt som DS: 2024-12-18
Varenummer: M385422
**Jernbaner – Strømaftagningssystemer – Tekniske kriterier for interaktion mellem strømaftager og køreledning på elektrificerede strækninger**

**DS/EN IEC 60947-4-2:2023/A1:2024**
Godkendt som DS: 2024-12-18
Varenummer: M378778
**Lavspændingskoblingsudstyr – Del 4-2: Kontaktorer og motorstartere – Halvledermotorstyringer, halvledermotorstartere (softstartere, med overbelastningsbeskyttelse)**

**DS/EN IEC 61347-1:2024**
Godkendt som DS: 2024-12-18
Varenummer: M364312
**Forkoblingsudstyr til elektriske lyskilder – Sikkerhed – Del 1: Generelle krav**

**DS/EN IEC 61347-2-11:2024**
Godkendt som DS: 2024-12-18
Varenummer: M377406
**Forkoblingsudstyr til elektriske lyskilder – Sikkerhed – Del 2-11: Særlige krav til diverse elektroniske kredse anvendt med belysningsarmaturer**





**DS/EN ISO 80369-20:2024**
Godkendt som DS: 2024-12-19
Varenummer: M374786
**Konnektorer med lille diameter til væsker og gasser til medicinsk brug – Del 20: Generelle prøvningsmetoder**

**DSF/CLC IEC/TS 62443-6-1:2024**
Godkendt som DS: 2024-12-19
Varenummer: M387122
**Sikre IACS-netværk – Del 6-1: Metode til sikkerhedsevaluering i forbindelse med IEC 62443-2-4**

**DS/EN IEC 61347-2-10:2024**
Godkendt som DS: 2024-12-19
Varenummer: M380044
**Forkoblingsudstyr til elektriske lyskilder – Sikkerhed – Del 2-10: Særlige krav til elektronisk forkoblingsudstyr til højfrekvensdrift i koldkatodelamper (neonrør)**

## Europæiske Telekommunikationsstandarder fra ETSI

**DS/ETSI EN 301 893 V2.2.1:2024**
Godkendt som DS: 2024-12-09
Varenummer: M381353
**5 GHz WAS-RLAN – Harmoniseret Standard for radiospekteraccess**