

SUPLEMENTO DE LA REVISTA

# UNE

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# Normas al día

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## UNE

### Iniciación de Nuevos Trabajos

#### **FEBRERO**

##### **CTN 53 PLÁSTICOS Y CAUCHO**

###### **PNE-ISO 1408**

Caucho. Determinación del contenido en negro de carbono. Métodos de degradación química y pirolítica

##### **CTN 60 COMBUSTIBLES GASEOSOS E INSTALACIONES Y APARATOS DE GAS**

###### **PNE 60797**

Estaciones de servicio de gas natural. Estaciones de GNC para el repostaje de vehículos. Requisitos específicos adicionales para las estaciones operadas en modalidad de completamente desatendidas. Complemento nacional a la Norma UNE-EN ISO 16923

###### **PNE 60798**

Estaciones de servicio de gas natural. Estaciones de GNL para el repostaje de vehículos. Requisitos específicos adicionales para las estaciones operadas en modalidad de completamente desatendidas. Complemento nacional a la Norma UNE-EN ISO 16924

##### **CTN 133 TELECOMUNICACIONES**

###### **PNE 133100-1**

Infraestructuras para redes de telecomunicaciones. Parte 1: Canalizaciones subterráneas

###### **PNE 133100-2**

Infraestructuras para redes de telecomunicaciones. Parte 2: Arquetas y cámaras de registro

###### **PNE 133100-3**

Infraestructuras para redes de telecomunicaciones. Parte 3: Tramos interurbanos

###### **PNE 133100-4**

Infraestructuras para redes de telecomunicaciones. Parte 4: Líneas aéreas

###### **PNE 133100-5**

Infraestructuras para redes de telecomunicaciones. Parte 5: Instalación en fachada

###### **PNE 133100-6**

Infraestructuras para redes de telecomunicaciones. Parte 6: Criterios de diseño de redes multioperador para urbanizaciones

##### **CTN 135 EQUIPAMIENTO PARA LA SEÑALIZACIÓN VIAL**

###### **PNE 135902**

Equipamiento vial urbano. Dispositivos separadores de carril retrorreflectantes. Características y métodos de ensayo

##### **CTN 190 SERVICIOS FUNERARIOS Y GESTIÓN DE CEMENTERIOS**

###### **PNE 190001**

Ataúdes. Terminología, clasificación y características técnicas

###### **PNE 190002**

Ataúdes. Métodos de ensayo

##### **CTN 192 INSPECCIÓN REGLAMENTARIA**

###### **PNE 192008-1**

Procedimiento para la inspección reglamentaria. Ascensores. Parte 1: Aparatos de elevación recogidos en legislación de ascensores

##### **CTN 204 SEGURIDAD ELÉCTRICA**

###### **PNE 204006**

Uso de guantes aislantes para maniobras en instalaciones eléctricas de alta tensión

## Información Pública

Durante el período de información pública los textos de estos proyectos se encontrarán disponibles en <https://srp.une.org/>

#### **FEBRERO**

##### **CTN 53 PLÁSTICOS Y CAUCHO**

###### **PNE-ISO 249**

Elastómeros. Caucho natural. Determinación del contenido en impurezas

###### **PNE-ISO 1125**

Elastómeros. Ingredientes de mezclas de caucho. Negro de carbono. Determinación del contenido de cenizas

**CTN 81 SEGURIDAD Y SALUD EN EL TRABAJO****PNE 81586**

Exposición en el lugar de trabajo. Determinación de vapores orgánicos en aire. Muestreo por aspiración en tubo de carbón activo, desorción con disolvente y análisis por cromatografía gaseosa

**CTN 115 MAQUINARIA PARA LA CONSTRUCCIÓN, OBRA CIVIL Y EDIFICACIÓN****PNE-ISO 15818**

Maquinaria para movimiento de tierras - Puntos de izado y de amarre - Requisitos de rendimiento

**CTN 135 EQUIPAMIENTO PARA LA SEÑALIZACIÓN VIAL****PNE 135902**

Equipamiento vial urbano. Dispositivos separadores de carril retrorreflectantes. Características y métodos de ensayo

**CTN 182 HOTELES Y APARTAMENTOS TURÍSTICOS****PNE-ISO/FDIS 22483**

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**CTN 197 INFORMES PERICIALES****PNE-ISO 21043-2**

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**Información Pública Paralela**

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**FEBRERO****CTN GET 15 NANOTECNOLOGÍAS****PNE-FprCEN ISO/TR 18401**

Nanotecnologías. Explicación en lenguaje sencillo de los términos seleccionados de la serie ISO/IEC 80004 (ISO/TR 18401:2017)

**CTN GET 19 LA GESTIÓN DE LOS INMUEBLES, SUS SERVICIOS Y LOS PROCESOS ASOCIADOS****PNE-prEN ISO 41014**

Gestión de inmuebles y servicios de soporte. Desarrollo de la estrategia de la gestión de inmuebles y servicios de soporte. (ISO/DIS 41014:2020)

**CTN 9 EQUIPOS A PRESIÓN: CALDERAS****PNE-prEN 12952-2**

Calderas acuotubulares e instalaciones auxiliares. Parte 2: Materiales para las partes de la caldera sometidas a presión y accesorios

**PNE-prEN 12952-5**

Calderas acuotubulares e instalaciones auxiliares. Parte 5: Fabricación y construcción de las partes a presión de las calderas

**PNE-prEN 12952-6**

Calderas acuotubulares e instalaciones auxiliares. Parte 6: Inspección durante la construcción; documentación y marcado de las partes sometidas a presión de la caldera

**PNE-prEN 12952-8**

Calderas acuotubulares e instalaciones auxiliares. Parte 8: Requisitos para los sistemas de combustión de los combustibles líquidos y gaseosos de la caldera

**PNE-prEN 12952-9**

Calderas acuotubulares e instalaciones auxiliares. Parte 9: Requisitos para los sistemas de combustión de los combustibles sólidos pulverizados para la caldera

**PNE-prEN 12952-10**

Calderas acuotubulares e instalaciones auxiliares. Parte 10: Requisitos para la protección contra la presión excesiva

**PNE-prEN 12952-16**

Calderas acuotubulares e instalaciones auxiliares. Parte 16: Requisitos para los sistemas de combustión en lecho fluidizado y la parrilla para combustibles sólidos de la caldera

**CTN 14 SOLDADURA Y TÉCNICAS CONEXAS****PNE-prEN ISO 18595**

Soldeo por resistencia. Soldeo por puntos del aluminio y aleaciones de aluminio. Soldabilidad, soldeo y ensayos (ISO/DIS 18595:2020)

**CTN 17 ELEMENTOS DE FIJACIÓN****PNE-EN ISO 898-3:2018/prA1**

Características mecánicas de los elementos de fijación de acero al carbono y de acero aleado. Parte 3: Arandelas planas con clases específicas de propiedades. Modificación 1 (ISO 898-3:2018/DAM 1:2020)

**PNE-EN ISO 1891-2:2014/prA1**

Elementos de fijación. Terminología. Parte 2: Vocabulario y definiciones para recubrimientos. Modificación 1 (ISO 1891-2:2014/DAM 1:2020)

**CTN 23 SEGURIDAD CONTRA INCENDIOS****PNE-prEN 1366-3**

Ensayos de resistencia al fuego de instalaciones de servicio. Parte 3: Sellantes de penetración

**PNE-prEN 17020-4**

Aplicación extendida de los resultados de ensayo de durabilidad del cierre automático de bloques de puertas y ventanas de apertura. Parte 4: Durabilidad del cierre automático de bloques de puertas con marco de

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metal acristalado con bisagras y pivotantes y de ventanas de marco metálico de apertura resistente al fuego

## **PNE-prEN ISO 14557**

Mangueras para lucha contra incendios. Mangueras de aspiración de elastómero y plástico y conjuntos de mangueras. (ISO/DIS 14557:2020)

## **CTN 25 APLICACIONES FERROVIARIAS**

### **PNE-FprCEN/TR 17498**

Aplicaciones ferroviarias. Infraestructura. Máquinas de inspección y mantenimiento ferroviario montadas sobre vías y equipos asociados. Explicación del tipo de máquina y cumplimiento, incluidos los procesos de aceptación

### **PNE-prEN 15955**

Aplicaciones ferroviarias. Infraestructura. Máquinas desmontables, remolques y equipos asociados. Requisitos técnicos y de seguridad para la circulación y el trabajo

## **CTN 27 INDUSTRIA DE CONSTRUCCIÓN Y REPARACIÓN NAVAL, ARTEFACTOS Y TECNOLOGÍA MARINA**

### **PNE-prEN ISO 8469**

Pequeñas embarcaciones. Mangueras no resistentes al fuego para carburantes. (ISO/DIS 8469:2020)

## **CTN 34 PRODUCTOS ALIMENTARIOS**

### **PNE-prEN 14104**

Productos derivados de aceites y grasas. Ésteres metílicos de ácidos grasos (FAME). Determinación del índice de acidez

### **PNE-prEN ISO 34101-1**

Cacao sostenible y trazable. Parte 1: Requisitos para los sistemas de gestión de la sostenibilidad del cacao (ISO 34101-1:2019)

### **PNE-prEN ISO 34101-2**

Cacao sostenible y trazable - Parte 2: Requisitos para el desempeño (en relación con los aspectos económicos, sociales y ambientales)

## **CTN 36 SIDERURGIA**

### **PNE-prEN 14917**

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## **CTN 41 CONSTRUCCIÓN**

### **PNE-EN 12697-25:2016/prA1**

Mezclas bituminosas. Métodos de ensayo. Parte 25: Ensayo de compresión cíclico

### **PNE-prEN 12697-49**

Mezclas bituminosas. Métodos de ensayo. Parte 49: Determinación del rozamiento tras el pulido

## **CTN 45 ÓPTICA OFTÁLMICA**

### **PNE-EN ISO 11978:2017/prA1**

Óptica oftálmica. Lentes de contacto y productos para el mantenimiento de las lentes de contacto. Etiquetado. Modificación 1 (ISO 11978:2017/DAM 1:2020)

## **CTN 48 PINTURAS Y BARNICES**

### **PNE-prEN ISO 787-19**

Métodos generales de ensayo para pigmentos y extendedores. Parte 19: Determinación de los nitratos solubles en agua. (Método del ácido salicílico). (ISO/DIS 787-19:2020)

### **PNE-prEN ISO 3219-1**

Reología. Parte 1: Términos generales y definiciones para la reometría de rotación y oscilación (ISO/DIS 3219-1:2020)

### **PNE-prEN ISO 3262-19**

Pigmentos extendedores. Especificaciones y métodos de ensayo. Parte 19: Sílice precipitada. (ISO/DIS 3262-19:2020)

### **PNE-prEN ISO 3262-20**

Pigmentos extendedores. Especificaciones y métodos de ensayo. Parte 20: Sílice pirogénica. (ISO/DIS 3262-20:2020)

### **PNE-prEN ISO/CIE 11664-2**

Colorimetría. Parte 2: Iluminantes patrón CIE. (ISO/CIE DIS 11664-2:2020)

## **CTN 51 PRODUCTOS PETROLÍFEROS**

### **PNE-FprCEN/TS 17481**

Betunes y ligantes bituminosos. Determinación del contenido de sal en betunes. Método de conductividad eléctrica

### **PNE-FprCEN/TS 17482**

Betunes y ligantes bituminosos. Determinación del índice de acidez del betún. Método potenciométrico

## **CTN 53 PLÁSTICOS Y CAUCHO**

### **PNE-EN ISO 15875-2:2003/prA2**

Sistemas de canalización en materiales plásticos para instalaciones de agua caliente y fría. Polietileno reticulado (PE-X). Parte 2: Tubos. Modificación 2 (ISO 15875-2:2003/DAM 2:2020)

### **PNE-EN ISO 15875-3:2003/prA1**

Sistemas de canalización en materiales plásticos para instalaciones de agua caliente y fría. Polietileno reticulado (PE-X). Parte 3: Accesorios. Modificación 1 (ISO 15875-3:2003/DAM 1:2020)

### **PNE-EN ISO 15875-5:2003/prA1**

Sistemas de canalización en materiales plásticos para instalaciones de agua caliente y fría. Polietileno reticulado (PE-X). Parte 5: Aptitud al uso del sistema. Modificación 1 (ISO 15875-5:2003/DAM 1:2020)

### **PNE-EN ISO 15876-2:2017/prA1**

Sistemas de canalización en materiales plásticos para instalaciones de agua caliente y fría. Polibuteno (PB). Parte 2: Tubos. Modificación 1 (ISO 15876-2:2017/DAM 1:2020)

### **PNE-EN ISO 15876-3:2017/prA1**

Sistemas de canalización en materiales plásticos para instalaciones de agua caliente y fría. Polibuteno (PB). Parte 3: Accesorios. Modificación 1 (ISO 15876-3:2017/DAM 1:2020)

**PNE-EN ISO 15876-5:2017/prA1**

Sistemas de canalización en materiales plásticos para instalaciones de agua caliente y fría. Polibuteno (PB). Parte 5: Aptitud al uso del sistema. Modificación 1 (ISO 15876-5:2017/DAM 1:2020)

**PNE-EN ISO 15877-2:2009/prA2**

Sistemas de canalización en materiales plásticos para instalaciones de agua caliente y fría. Poli(cloruro de vinilo) clorado (PVC-C). Parte 2: Tubos. Modificación 2 (ISO 15877-2:2009/DAM 2:2020)

**PNE-EN ISO 15877-5:2009/prA2**

Sistemas de canalización en materiales plásticos para instalaciones de agua caliente y fría. Poli(cloruro de vinilo) clorado (PVC-C). Parte 5: Aptitud al uso del sistema. Modificación 2 (ISO 15877-5:2009/DAM 2:2020)

**PNE-EN ISO 22391-2:2009/prA1**

Sistemas de canalización en materiales plásticos para instalaciones de agua caliente y fría. Polietileno resistente a la temperatura (PE-RT). Parte 2: Tubos. Modificación 1 (ISO 22391-2:2009/DAM 1:2020)

**PNE-EN ISO 22391-3:2009/prA1**

Sistemas de canalización en materiales plásticos para instalaciones de agua caliente y fría. Polietileno resistente a la temperatura (PE-RT). Parte 3: Accesorios. Modificación 1 (ISO 22391-3:2009/DAM 1:2020)

**PNE-EN ISO 22391-5:2009/prA1**

Sistemas de canalización en materiales plásticos para instalaciones de agua caliente y fría. Polietileno resistente a la temperatura (PE-RT). Parte 5: Aptitud al uso del sistema. Modificación 1 (ISO 22391-5:2009/DAM 1:2020)

**PNE-FprCEN/TS 1519-2**

Sistemas de canalización en materiales plásticos para la evacuación de aguas residuales (a baja y a alta temperatura) en el interior de la estructura de los edificios. Polietileno (PE). Parte 2: Guía para la evaluación de la conformidad

**PNE-FprCEN/TS 17176-7**

Sistemas de canalización en materiales plásticos para suministro de agua, riego, saneamiento y alcantarillado, enterrado o aéreo, con presión. Poli(cloruro de vinilo) no plastificado orientado (PVC-O). Parte 7: Evaluación de la conformidad

**PNE-prEN ISO 1628-2**

Plásticos. Determinación de la viscosidad de polímeros en solución diluida mediante viscosímetros capilares. Parte 2: Resinas de poli(cloruro de vinilo). (ISO/DIS 1628-2:2020)

**PNE-prEN ISO 8031**

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**CTN 54 INDUSTRIAS GRÁFICAS****PNE-prEN ISO 12643-3**

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sistemas de encuadernación y acabado (ISO/DIS 12643-3:2020)

**PNE-prEN ISO 12643-4**

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**CTN 57 CELULOSA Y PAPEL****PNE-prEN ISO 12625-17**

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**CTN 59 INDUSTRIAS DEL CUERO, CALZADO Y DERIVADOS****PNE-prEN ISO 16186**

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**CTN 60 COMBUSTIBLES GASEOSOS E INSTALACIONES Y APARATOS DE GAS****PNE-prEN 12067-2**

Dispositivos de regulación de la proporción aire/gas para quemadores y aparatos de gas. Parte 2: Dispositivos electrónicos

**CTN 62 BIENES DE EQUIPO INDUSTRIALES Y EQUIPOS A PRESIÓN****PNE-EN 13175:2019/prA1:2020**

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**PNE-EN ISO 13088:2011/prA1**

Botellas para el transporte de gas. Bloques de botellas de acetileno. Condiciones de llenado e inspección de llenado. Modificación 1 (ISO 13088:2011/DAM 1:2020)

**PNE-prEN ISO 407**

Botellas pequeñas para gases medicinales. Racores para válvulas con estribo de seguridad (pin index) (ISO/DIS 407:2020)

**PNE-prEN ISO 19901-2**

Industrias del petróleo y del gas natural. Requisitos específicos para estructuras marítimas. Parte 2: Criterios y procedimientos de diseño sísmicos. (ISO/DIS 19901-2:2020)

**CTN 66 GESTIÓN DE LA CALIDAD Y EVALUACIÓN DE LA CONFORMIDAD****PNE-ISO/DIS 10014**

Sistemas de gestión de la calidad. Gestión de una organización para obtener resultados de calidad. Directrices para la obtención de beneficios financieros y económicos

**CTN 68 TRACTORES Y MAQUINARIA AGRÍCOLA Y FORESTAL****PNE-prEN ISO 11680-1**

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**PNE-prEN ISO 11680-2**

Maquinaria forestal. Requisitos de seguridad y ensayos para las pértigas de podar a motor. Parte 2: Máquinas para utilizar con una fuente motriz transportada a la espalda (ISO/DIS 11680-2:2020)

**PNE-prEN ISO 19472-2**

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**CTN 73 ENERGÍA NUCLEAR, TECNOLOGÍAS NUCLEARES Y PROTECCIÓN RADIOLÓGICA****PNE-prEN ISO 13162**

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**CTN 77 MEDIO AMBIENTE****PNE-prEN ISO 11916-3**

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**PNE-prEN ISO 21365**

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**CTN 81 SEGURIDAD Y SALUD EN EL TRABAJO****PNE-prEN 17487**

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**PNE-prEN ISO 21920-1**

Especificación geométrica de productos (GPS). Textura de la superficie: Método del perfil. Parte 1: Indicación de la textura de la superficie (ISO/DIS 21920-1:2020)

**PNE-prEN ISO 21920-2**

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**PNE-prEN ISO 21920-3**

Especificación geométrica de productos (GPS). Textura de la superficie: Método del perfil. Parte 3: Operadores de especificación (ISO/DIS 21920-3:2020)

**CTN 84 ACEITES ESENCIALES Y PRODUCTOS COSMÉTICOS****PNE-prEN 16274**

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**CTN 85 CERRAMIENTOS DE HUECOS EN EDIFICACIÓN Y SUS ACCESORIOS****PNE-prEN ISO 12543-2**

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**CTN 87 ANÁLISIS SENSORIAL****PNE-prEN ISO 11132**

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**CTN 106 ODONTOLOGÍA****PNE-prEN ISO 10477**

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**CTN 108 SEGURIDAD FÍSICA Y ELECTRÓNICA. SISTEMAS DE PROTECCIÓN Y ALARMA****PNE-prEN 50134-5:2020**

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Productos sanitarios. Vigilancia post-comercialización para los fabricantes (ISO/DTR 20416:2020)

**PNE-prEN ISO 8536-12**

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**PNE-prEN ISO 10993-2**

Evaluación biológica de productos sanitarios. Parte 2: Requisitos relativos a la protección de los animales. (ISO/DIS 10993-2:2020)

**PNE-prEN ISO 10993-10**

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**PNE-prEN ISO 11608-1**

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**PNE-prEN ISO 11608-2**

Sistemas de inyección por aguja para uso médico. Requisitos y métodos de ensayo. Parte 2: Aguja. (ISO/DIS 11608-2:2020)

**PNE-prEN ISO 11608-3**

Sistemas de inyección por aguja para uso médico. Requisitos y métodos de ensayo. Parte 3: Cartuchos NIS y vías de fluidos integrados. (ISO/DIS 11608-3:2020)

**PNE-prEN ISO 11608-4**

Sistemas de inyección por agujas para uso médico. Requisitos y métodos de ensayo. Parte 4: Sistemas de inyección por agujas electrónicas (ISO/DIS 11608-4:2020)

**PNE-prEN ISO 11608-5**

Sistemas de inyección por agujas para uso médico. Requisitos y métodos de ensayo. Parte 5: Funciones automatizadas. (ISO/DIS 11608-5:2020)

**PNE-prEN ISO 15223-1**

Productos sanitarios. Símbolos a utilizar en las etiquetas, el etiquetado y la información a suministrar de los productos sanitarios. Parte 1: Requisitos generales. (ISO/DIS 15223-1:2020)

**CTN 116 SISTEMAS INDUSTRIALES AUTOMATIZADOS****PNE-prEN ISO 10218-1**

Robótica. Requisitos de seguridad para sistemas de robots en entorno industrial. Parte 1: Robots. (ISO/DIS 10218-1:2020)

**CTN 122 CUBERTERÍA. ARTÍCULOS PARA LA DECORACIÓN Y EL SERVICIO DE MESA****PNE-prEN 12983-1**

Utensilios de cocina. Utensilios de cocina domésticos usados sobre hornillos, cocinas o placas de calentamiento. Parte 1: Requisitos generales

**PNE-prEN 12983-2**

Utensilios de cocina. Utensilios de cocina domésticos usados sobre hornillos, cocinas o placas de calentamiento. Parte 2: Requisitos generales para utensilios de cocina de cerámica

**CTN 131 COBRE Y SUS ALEACIONES****PNE-prEN 13601**

Cobre y aleaciones de cobre. Barras y alambres de cobre para usos eléctricos generales

**PNE-prEN 13603 rev**

Cobre y aleaciones de cobre. Métodos de ensayo para la evaluación de los recubrimientos protectores de estaño sobre alambre de cobre redondo y estirado para usos eléctricos

**PNE-prEN 13605**

Cobre y aleaciones de cobre. Perfiles y alambres perfilados de cobre para usos eléctricos

**CTN 151 MANTENIMIENTO****PNE-prEN 17485**

Mantenimiento. Mantenimiento dentro de la gestión de activos físicos. Marco para mejorar el valor de los activos físicos a lo largo de todo su ciclo de vida

**CTN 159 SISTEMAS INTELIGENTES DE TRANSPORTE****PNE-prEN ISO 24014-1**

Transporte público. Sistema de gestión de tarifas interoperables. Parte 1: Arquitectura (ISO/DIS 24014-1:2020)

**CTN 164 BIOCOMBUSTIBLES SÓLIDOS****PNE-prEN ISO 17225-1**

Biocombustibles sólidos. Especificaciones y clases de combustibles. Parte 1: Requisitos generales. (ISO/DIS 17225-1:2020)

**PNE-prEN ISO 17225-2**

Biocombustibles sólidos. Especificaciones y clases de combustibles. Parte 2: Clases de pélets de madera. (ISO/DIS 17225-2:2020)

**PNE-prEN ISO 17225-3**

Biocombustibles sólidos. Especificaciones y clases de combustibles. Parte 3: Clases de briquetas de madera. (ISO/DIS 17225-3:2020)

**PNE-prEN ISO 17225-4**

Biocombustibles sólidos. Especificaciones y clases de combustibles. Parte 4: Clases de astillas de madera (ISO/DIS 17225-4:2020)

**CTN 181 TECNOLOGÍAS DEL HIDRÓGENO****PNE-prEN 17127**

Puntos de suministro de hidrógeno al aire libre que dispensan hidrógeno gaseoso e incorporan protocolos de llenado

**CTN 198 SOSTENIBILIDAD EN LA CONSTRUCCIÓN****PNE-prEN 17472**

Sostenibilidad de las obras de construcción. Evaluación de la sostenibilidad de las obras de ingeniería civil. Métodos de cálculo

**CTN 201 APARAMENTA Y ACCESORIOS DE BAJA TENSIÓN****PNE-prEN IEC 60695-2-12:2020**

Ensayos relativos a los riesgos del fuego. Parte 2-12: Métodos de ensayo del hilo incandescente. Método de ensayo de inflamabilidad del hilo incandescente (GWFI) para materiales

**PNE-prEN IEC 60947-6-1:2020**

Aparamenta de baja tensión. Parte 6-1: Equipos de funciones múltiples. Equipos de conexión de transferencia automática

**PNE-prEN IEC 62196-6:2020**

Clavijas, bases de toma de corriente, conectores de vehículo y entradas de vehículo. Carga conductiva de vehículos eléctricos. Parte 6: Requisitos de compatibilidad dimensional para acopladores de vehículo de espigas y alveolos en corriente continua para equipos de suministro de corriente continua para vehículos eléctricos donde la protección se basa en la separación eléctrica

**CTN 202 INSTALACIONES ELÉCTRICAS****PNE-HD 60364-5-52:2011/prAB**

Instalaciones eléctricas de baja tensión. Parte 5-52: Selección e instalación de equipos eléctricos. Canalizaciones

**PNE-HD 60364-7-708:2017/prAA:2020**

Instalaciones eléctricas de baja tensión. Parte 7-708: Requisitos para instalaciones o emplazamientos especiales. Parques de caravanas, campings y emplazamientos análogos

## CTN 203 EQUIPAMIENTO ELÉCTRICO Y SISTEMAS AUTOMÁTICOS PARA LA INDUSTRIA

### PNE-CLC/FprTS 50238-2:2020

Aplicaciones ferroviarias. Compatibilidad entre el material rodante y los sistemas de detección de trenes. Parte 2: Compatibilidad con los circuitos de vía

### PNE-prEN IEC 60034-11:2020

Máquinas eléctricas rotativas. Parte 11: Protección térmica

### PNE-prEN IEC 61010-2-202:2020

Requisitos de seguridad de equipos eléctricos de medida, control y uso en laboratorio. Parte 2-202: Requisitos particulares para accionadores de válvulas de accionamiento eléctrico

### PNE-prEN IEC 61760-3:2020

Tecnología del montaje de superficie. Parte 3: Método normalizado para la especificación de los componentes para soldadura por reflujo de componentes insertados (Through Hole Reflow THR)

### PNE-prEN IEC 61851-23:2020

Sistema conductivo de carga para vehículos eléctricos. Parte 23: Estación de carga en corriente continua para vehículos eléctricos

### PNE-prEN IEC 61851-24:2020

Sistema conductivo de carga para vehículos eléctricos. Parte 24: Comunicación digital entre una estación de carga en corriente continua para vehículos eléctricos y un vehículo eléctrico, para el control de la carga en corriente continua

### PNE-prEN IEC 62040-3:2020

Sistemas de alimentación ininterrumpida (SAI). Parte 3: Método para especificar las prestaciones y los requisitos de ensayo

## CTN 207 TRANSPORTE Y DISTRIBUCIÓN DE ENERGÍA ELÉCTRICA

### PNE-prEN IEC 62235-451-10:2020

Marco para las comunicaciones del mercado energético. Parte 451-10: Perfiles para datos de consumo de energía ("Mis datos de energía")

### PNE-prEN IEC 62271-200:2020

Aparatura de alta tensión. Parte 200: Aparatura bajo envoltorio metálica de corriente alterna para tensiones asignadas superiores a 1 kV e inferiores o iguales a 52 kV

## CTN 208 COMPATIBILIDAD ELECTROMAGNÉTICA

### PNE-EN 55011:2016/prA3:2020 {fragment 1}

Equipos industriales, científicos y médicos. Características de las perturbaciones radioeléctricas. Límites y métodos de medición. Requisitos para la transferencia de energía inalámbrica de espacio de aire (WPT)

## CTN 209 EQUIPOS ELECTRÓNICOS

### PNE-prEN IEC 63120:2020

Reacondicionamiento de equipos, sistemas y subconjuntos electromédicos y reutilización de componentes como parte del ciclo de vida extendido

## CTN 212 CABLES DE TELECOMUNICACIONES Y FIBRA ÓPTICA

### PNE-prEN IEC 62037-2:2020

Medición del nivel de intermodulación de dispositivos microondas y radiofrecuencias pasivas. Parte 2: Medición de la intermodulación pasiva en conjuntos de cables coaxiales

## CTN 213 ELECTRODOMÉSTICOS

### PNE-EN 60335-2-2:2010/prAC

Aparatos electrodomésticos y análogos. Seguridad. Parte 2-2: Requisitos particulares para aspiradores y aparatos de limpieza por aspiración de agua

### PNE-EN 60335-2-5:2015/prA1

Aparatos electrodomésticos y análogos. Seguridad. Parte 2-5: Requisitos particulares para lavavajillas

### PNE-prEN IEC 60335-2-40

Aparatos electrodomésticos y análogos. Seguridad. Parte 2-40: Requisitos particulares para bombas de calor eléctricas, acondicionadores de aire y deshumidificadores

### PNE-prEN IEC 60704-1:2020

Aparatos electrodomésticos y análogos. Código de ensayo para la determinación del ruido acústico aéreo. Parte 1: Requisitos generales

## CTN 217 SISTEMAS DE SUMINISTRO DE ENERGÍA ELÉCTRICA

### PNE-prEN IEC 62934:2020

Integración a la red de generación de energía renovable. Términos, definiciones y símbolos

## CTN 301 COMBUSTIBLES SÓLIDOS RECUPERADOS

### PNE-prEN ISO 21912

Combustibles sólidos recuperados. Manejo y almacenamiento seguros de combustibles sólidos recuperados (ISO/DIS 21912:2020)

## CTN 320 CIBERSEGURIDAD Y PROTECCIÓN DE DATOS PERSONALES

### PNE-prEN ISO/IEC 29100

Tecnología de la información. Técnicas de seguridad. Marco de privacidad. (ISO/IEC 29100:2011, incluyendo Amd 1:2018)

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### PNE-prEN 1034-4

Seguridad de las máquinas. Requisitos de seguridad para el diseño y la construcción de máquinas de fabricación y acabado del papel. Parte 4: Máquinas de fabricación de pasta y sus instalaciones de carga

### PNE-prEN 17449

Seguridad de las máquinas. Requisitos de seguridad para líneas de acabado para flejes metálicos



## Normas Editadas

### FEBRERO

#### CTN 14 SOLDADURA Y TÉCNICAS CONEXAS

##### UNE-EN ISO 17279-1:2020

Soldadura. Micro-uniión de superconductores de alta temperatura de 2ª generación. Parte 1: Requisitos generales para el procedimiento. (ISO 17279-1:2018)

**Precio:** 76 EUR

##### UNE-EN ISO 17279-2:2020

Soldadura. Micro-uniión de superconductores de alta temperatura de 2ª generación. Parte 2: Cualificación del personal de soldadura y de ensayo. (ISO 17279-2:2018)

**Precio:** 60 EUR

#### CTN 17 ELEMENTOS DE FIJACIÓN

##### UNE-EN ISO 7053:2020

Elementos de fijación. Tornillos autorroscantes con cabeza hexagonal de arandela. (ISO 7053:2019). (Sustituye a: UNE-EN ISO 7053:2011)

**Precio:** 48 EUR

#### CTN 19 TUBERÍAS DE FUNDICIÓN, GRIFERÍA, VALVULERÍA Y ACCESORIOS DE MATERIALES METÁLICOS

##### UNE-EN ISO 6149-1:2020

Conexiones para transmisiones hidráulicas y aplicaciones generales. Orificios y extremos macho con roscas métricas ISO 261 y junta de estanquidad tórica. Parte 1: Orificios con alojamiento troncocónico para junta tórica. (ISO 6149-1:2019) (Sustituye a: UNE-EN ISO 6149-1:2008)

**Precio:** 50 EUR

#### CTN 23 SEGURIDAD CONTRA INCENDIOS

##### UNE-EN 14972-16:2020

Sistemas fijos de lucha contra incendios. Sistemas de agua nebulizada. Parte 16: Protocolo de ensayo para sistemas de boquillas abiertas para cocinas industriales de aceite

**Precio:** 54 EUR

##### UNE-EN 15182-1:2020

Equipo portátil para proyectar agentes extintores suministrados por bombas de extinción de incendios. Lanzas de manguera manuales destinadas a los

servicios contra incendios. Parte 1: Requisitos comunes. (Sustituye a: UNE-EN 15182-1:2007+A1:2010)

**Precio:** 60 EUR

##### UNE-EN 15182-2:2020

Equipo portátil para proyectar agentes extintores suministrados por bombas de extinción de incendios. Lanzas de manguera manuales destinadas a los servicios contra incendios. Parte 2: Lanzas de manguera mixtas PN 16. (Sustituye a: UNE-EN 15182-2:2007+A1:2010)

**Precio:** 52 EUR

#### CTN 25 APLICACIONES FERROVIARIAS

##### UNE-EN 15152:2020

Aplicaciones ferroviarias. Parabrisas frontales de cabinas de tren. (Sustituye a: UNE-EN 15152:2008)

**Precio:** 83 EUR

##### UNE-EN 16922:2018+A1:2020

Aplicaciones ferroviarias. Estaciones de servicio. Equipo de drenaje de los depósitos de aguas residuales. (Sustituye a: UNE-EN 16922:2018)

**Precio:** 59 EUR

#### CTN 26 VEHÍCULOS DE CARRETERA

##### UNE-EN 13878:2020

Vehículos habitables de recreo. Términos y definiciones. (Sustituye a: UNE-EN 13878:2003)

**Precio:** 52 EUR

#### CTN 34 PRODUCTOS ALIMENTARIOS

##### UNE-EN ISO 18363-2:2020

Aceites y grasas de origen animal y vegetal. Determinación de ésteres de cloropropanodiolos (MCPD) y sus ácidos grasos y ésteres glicídicos y sus ácidos grasos mediante GC/MS. Parte 2: Método basado en la transesterificación alcalina lenta y cálculo de 2-MCPD, 3-MCPD y glicidol (ISO 18363-2:2018)

**Precio:** 61 EUR

#### CTN 40 INDUSTRIAS TEXTILES

##### UNE 40902:2020

Seguridad de las prendas de bebé. Propiedades físicas y mecánicas. (Sustituye a: UNE 40902:2008)

**Precio:** 52 EUR

##### UNE-EN ISO 1833-3:2020

Textiles. Análisis químico cuantitativo. Parte 3: Mezclas de acetato con otras fibras determinadas (método de la acetona). (ISO 1833-3:2019). (Sustituye a: UNE-EN ISO 1833-3:2011)

**Precio:** 38 EUR

##### UNE-EN ISO 1833-4:2020

Textiles. Análisis químico cuantitativo. Parte 4: Mezclas de ciertas proteínas con otras fibras determinadas (método del hipoclorito). (ISO 1833-4:2017). (Sustituye a: UNE-EN ISO 1833-4:2011)

**Precio:** 47 EUR

##### UNE-EN ISO 1833-9:2020

Textiles. Análisis químico cuantitativo. Parte 9: Mezclas de acetato con otras fibras determinadas (método del alcohol bencílico). (ISO 1833-9:2019). (Sustituye a: UNE-EN ISO 1833-9:2011)

**Precio:** 38 EUR

**UNE-EN ISO 1833-10:2020**

Textiles. Análisis químico cuantitativo. Parte 10: Mezclas de triacetato o poliláctida con otras fibras determinadas (método del diclorometano). (ISO 1833-10:2019). (Sustituye a: UNE-EN ISO 1833-10:2011)

**Precio:** 38 EUR

**UNE-EN ISO 1833-12:2020**

Textiles. Análisis químico cuantitativo. Parte 12: Mezclas de acrílica, determinadas modacrílicas, determinadas clorofibras, determinados elastanos con otras fibras determinadas (método de la dimetilformamida). (ISO 1833-12:2019). (Sustituye a: UNE-EN ISO 1833-12:2011)

**Precio:** 48 EUR

**UNE-EN ISO 1833-13:2020**

Textiles. Análisis químico cuantitativo. Parte 13: Mezclas de determinadas clorofibras con otras fibras determinadas (método de la acetona/disulfuro de carbono). (ISO 1833-13:2019). (Sustituye a: UNE-EN ISO 1833-13:2011)

**Precio:** 48 EUR

**UNE-EN ISO 1833-14:2020**

Textiles. Análisis químico cuantitativo. Parte 14: Mezclas de acetato con determinadas clorofibras (método del ácido acético glacial). (ISO 1833-14:2019). (Sustituye a: UNE-EN ISO 1833-14:2011)

**Precio:** 47 EUR

**UNE-EN ISO 1833-16:2020**

Textiles. Análisis químico cuantitativo. Parte 16: Mezclas de fibras de polipropileno con otras fibras determinadas (método del xileno). (ISO 1833-16:2019). (Sustituye a: UNE-EN ISO 1833-16:2011)

**Precio:** 48 EUR

**UNE-EN ISO 1833-18:2020**

Textiles. Análisis químico cuantitativo. Parte 18: Mezclas de seda con otras fibras proteínicas (método del ácido sulfúrico). (ISO 1833-18:2019). (Sustituye a: UNE-EN ISO 1833-18:2011)

**Precio:** 47 EUR

**UNE-EN ISO 1833-20:2020**

Textiles. Análisis químico cuantitativo. Parte 20: Mezclas de elastano con otras fibras determinadas (método del acetato de dimetilacetamida). (ISO 1833-20:2018). (Sustituye a: UNE-EN ISO 1833-20:2011)

**Precio:** 38 EUR

**UNE-EN ISO 1833-21:2020**

Textiles. Análisis químico cuantitativo. Parte 21: Mezclas de clorofibras, determinadas modacrílicas, determinados elastanos, acetatos, triacetatos con otras fibras determinadas (método de la ciclohexanona). (ISO 1833-21:2019). (Sustituye a: UNE-EN ISO 1833-21:2011)

**Precio:** 49 EUR

**UNE-EN ISO 1833-27:2020**

Textiles. Análisis químico cuantitativo. Parte 27: Mezclas de fibras de celulosa con otras fibras determinadas (método que utiliza sulfato de aluminio). (ISO 1833-27:2018)

**Precio:** 48 EUR

**CTN 41 CONSTRUCCIÓN****UNE-EN 507:2020**

Productos para cubiertas y revestimientos de chapa metálica. Especificación para los productos de chapa de aluminio totalmente apoyados. (Sustituye a: UNE-EN 507:2000)

**Precio:** 52 EUR

**UNE-EN 13892-9:2020**

Métodos de ensayo de materiales para soleras continuas. Parte 9: Estabilidad dimensional

**Precio:** 52 EUR

**UNE-EN ISO 16757-1:2020**

Estructuras de datos para catálogos electrónicos de productos para servicios de construcción. Parte 1: Conceptos, arquitectura y modelo. (ISO 16757-1:2015)

**Precio:** 72 EUR

**UNE-EN ISO 16757-2:2020**

Estructuras de datos para catálogos electrónicos de productos para servicios de construcción. Parte 2: Geometría. (ISO 16757-2:2016)

**Precio:** 115 EUR

**CTN 48 PINTURAS Y BARNICES****UNE-EN ISO 787-15:2020**

Métodos generales de ensayo para pigmentos y extendedores. Parte 15: Comparación de la resistencia a la luz de los pigmentos coloreados de tipos similares. (ISO 787-15:2019). (Sustituye a: UNE-EN ISO 787-15:1996)

**Precio:** 52 EUR

**UNE-EN ISO 787-17:2020**

Métodos generales de ensayo para pigmentos y extendedores. Parte 17: Comparación de la intensidad de claridad de los pigmentos blancos. (ISO 787-17:2019). (Sustituye a: UNE-EN ISO 787-17:2018)

**Precio:** 49 EUR

**UNE-EN ISO 1518-1:2020**

Pinturas y barnices. Determinación de la resistencia al rayado. Parte 1: Método de carga constante. (ISO 1518-1:2019). (Sustituye a: UNE-EN ISO 1518-1:2011)

**Precio:** 52 EUR

**UNE-EN ISO 1518-2:2020**

Pinturas y barnices. Determinación de la resistencia al rayado. Parte 2: Método de carga variable. (ISO 1518-2:2019). (Sustituye a: UNE-EN ISO 1518-2:2012)

**Precio:** 52 EUR

**UNE-EN ISO 2431:2020**

Pinturas y barnices. Determinación del tiempo de flujo empleando copas de flujo. (ISO 2431:2019, Versión corregida 2019-09). (Sustituye a: UNE-EN ISO 2431:2012)

**Precio:** 59 EUR

**UNE-EN ISO 2812-2:2020**

Pinturas y barnices. Determinación de la resistencia a líquidos. Parte 2: Método de inmersión en agua. (ISO 2812-2:2018). (Sustituye a: UNE-EN ISO 2812-2:2007)

**Precio:** 48 EUR

**UNE-EN ISO 2812-3:2020**

Pinturas y barnices. Determinación de la resistencia a líquidos. Parte 3: Método empleando un medio

absorbente. (ISO 2812-3:2019). (Sustituye a: UNE-EN ISO 2812-3:2013)

**Precio:** 52 EUR

#### **UNE-EN ISO 2812-5:2020**

Pinturas y barnices. Determinación de la resistencia a líquidos. Parte 5: Método de gradiente de temperatura en horno. (ISO 2812-5:2018). (Sustituye a: UNE-EN ISO 2812-5:2007)

**Precio:** 51 EUR

#### **UNE-EN ISO 3251:2020**

Pinturas, barnices y plásticos. Determinación del contenido en materia no volátil. (ISO 3251:2019). (Sustituye a: UNE-EN ISO 3251:2008)

**Precio:** 52 EUR

#### **UNE-EN ISO 8130-1:2020**

Recubrimientos en polvo. Parte 1: Determinación de la distribución del tamaño de partícula mediante tamizado. (ISO 8130-1:2019). (Sustituye a: UNE-EN ISO 8130-1:2011)

**Precio:** 52 EUR

#### **UNE-EN ISO 8130-7:2020**

Recubrimientos en polvo. Parte 7: Determinación de la pérdida de masa por curado en estufa. (ISO 8130-7:2019). (Sustituye a: UNE-EN ISO 8130-7:2011)

**Precio:** 48 EUR

#### **UNE-EN ISO 8130-11:2020**

Recubrimientos en polvo. Parte 11: Ensayo de flujo sobre plano inclinado. (ISO 8130-11:2019). (Sustituye a: UNE-EN ISO 8130-11:2011)

**Precio:** 49 EUR

#### **UNE-EN ISO 8130-12:2020**

Recubrimientos en polvo. Parte 12: Determinación de la compatibilidad. (ISO 8130-12:2019). (Sustituye a: UNE-EN ISO 8130-12:2011)

**Precio:** 50 EUR

#### **UNE-EN ISO 8130-13:2020**

Recubrimientos en polvo. Parte 13: Análisis granulométrico mediante difracción láser. (ISO 8130-13:2019). (Sustituye a: UNE-EN ISO 8130-13:2011)

**Precio:** 51 EUR

#### **UNE-EN ISO 18473-1:2020**

Pigmentos y extendedores funcionales para aplicaciones especiales. Parte 1: Carbonato de calcio a nanoescala para aplicación de sellador. (ISO 18473-1:2015)

**Precio:** 49 EUR

#### **UNE-EN ISO 18473-2:2020**

Pigmentos y extendedores funcionales para aplicaciones especiales. Parte 2: Dióxido de titanio a nanoescala para aplicación de protección solar. (ISO 18473-2: 2015)

**Precio:** 38 EUR

### **CTN 51 PRODUCTOS PETROLÍFEROS**

#### **UNE-EN 17178:2020**

Productos petrolíferos líquidos. Determinación del contenido total de azufre volátil en los gases licuados del petróleo mediante fluorescencia ultravioleta

**Precio:** 52 EUR

### **CTN 53 PLÁSTICOS Y CAUCHO**

#### **UNE-EN 12201-2:2012+A1:2020**

Sistemas de canalización en materiales plásticos para conducción de agua y saneamiento con presión. Polietileno (PE). Parte 2: Tubos. (Sustituye a: UNE-EN 12201-2:2012+A1:2014)

**Precio:** 60 EUR

#### **UNE-EN ISO 305:2020**

Plásticos. Determinación de la estabilidad térmica del poli(cloruro de vinilo), homopolímeros y copolímeros clorados relacionados y sus compuestos. Método del cambio de color. (ISO 305:2019) (Sustituye a: UNE-EN ISO 305:2001)

**Precio:** 50 EUR

#### **UNE-EN ISO 307:2020**

Plásticos. Poliamidas. Determinación del índice de viscosidad (ISO 307:2019) (Sustituye a: UNE-EN ISO 307:2007, UNE-EN ISO 307:2007/A1:2013)

**Precio:** 66 EUR

#### **UNE-EN ISO 1110:2020**

Plásticos. Poliamidas. Acondicionamiento acelerado de probetas. (ISO 1110:2019). (Sustituye a: UNE-EN ISO 1110:1998)

**Precio:** 47 EUR

#### **UNE-EN ISO 6721-1:2020**

Plásticos. Determinación de las propiedades mecano-dinámicas. Parte 1: Principios generales. (ISO 6721-1:2019) (Sustituye a: UNE-EN ISO 6721-1:2012)

**Precio:** 60 EUR

#### **UNE-EN ISO 6721-2:2020**

Plásticos. Determinación de las propiedades mecano-dinámicas. Parte 2: Método del péndulo de torsión. (ISO 6721-2:2019) (Sustituye a: UNE-EN ISO 6721-2:2009)

**Precio:** 56 EUR

#### **UNE-EN ISO 17556:2020**

Plásticos. Determinación de la biodegradabilidad aeróbica última de materiales plásticos en el suelo mediante la medición de la demanda de oxígeno en un respirómetro o la cantidad de dióxido de carbono generada. (ISO 17556:2019) (Sustituye a: UNE-EN ISO 17556:2013)

**Precio:** 63 EUR

#### **UNE-EN ISO 19062-2:2020**

Plásticos. Materiales de acrilonitrilo-butadieno-estireno (ABS) para moldeo y extrusión. Parte 2: Preparación de probetas y determinación de propiedades (ISO 19062-2:2019) (Sustituye a: UNE-EN ISO 2580-2:2004)

**Precio:** 52 EUR

#### **UNE-EN ISO 19065-2:2020**

Plásticos. Materiales de acrilonitrilo-estireno-acrilato (ASA), acrilonitrilo-(etileno-propileno-dieno)-estireno (AEPDS) y acrilonitrilo-(polietileno clorado)-estireno (ACS) para moldeo y extrusión. Parte 2: Preparación de probetas y determinación de propiedades (ISO 19065-2:2019) (Sustituye a: UNE-EN ISO 6402-2:2004)

**Precio:** 52 EUR

## CTN 54 INDUSTRIAS GRÁFICAS

### UNE-ISO 12040:2020

Tecnología gráfica. Impresos y tintas de impresión. Evaluación de la resistencia a la luz utilizando luz filtrada de arco de xenón. (Sustituye a: UNE 54106:1999)

**Precio:** 38 EUR

### UNE-ISO 20654:2020

Tecnología gráfica. Medición y cálculo del valor tonal de los colores directos

**Precio:** 47 EUR

## CTN 57 CELULOSA Y PAPEL

### UNE-EN 17163:2020

Pasta, papel y cartón. Determinación de aminas aromáticas primarias (PAA) en un extracto acuoso por un método LC-MS

**Precio:** 54 EUR

### UNE-EN ISO 12625-11:2020

Papel tisú y productos de tisú. Parte 11: Determinación de la resistencia a la rotura de la bola húmeda. (ISO 12625-11:2019). (Sustituye a: UNE-EN ISO 12625-11:2013)

**Precio:** 52 EUR

## CTN 58 MAQUINARIA DE ELEVACIÓN Y TRANSPORTE

### UNE-ISO 4306-1:2020

Aparatos de elevación. Grúas. Vocabulario. Parte 1: Generalidades

**Precio:** 88 EUR

## CTN 59 INDUSTRIAS DEL CUERO, CALZADO Y DERIVADOS

### UNE-EN ISO 5398-4:2020

Cuero. Determinación química del contenido en óxido de cromo. Parte 4: Cuantificación por plasma de acoplamiento inductivo (ICP) (ISO 5398-4:2018) (Sustituye a: UNE-EN ISO 5398-4:2008)

**Precio:** 51 EUR

### UNE-EN ISO 18218-2:2020

Cuero. Determinación de alquilfenoles etoxilados. Parte 2: Método indirecto. (ISO 18218-2:2019). (Sustituye a: UNE-EN ISO 18218-2:2015)

**Precio:** 56 EUR

### UNE-EN ISO 23910:2020

Cuero. Ensayos físicos y mecánicos. Medición de la resistencia al desgarro por puntada. (ISO 23910:2019). (Sustituye a: UNE-EN ISO 23910:2018)

**Precio:** 49 EUR

## CTN 60 COMBUSTIBLES GASEOSOS E INSTALACIONES Y APARATOS DE GAS

### UNE 60719:2017/1M:2020

Accesorios para unión de llaves y elementos de instalaciones receptoras que utilizan combustibles gaseosos

**Precio:** 23 EUR

### UNE-EN 13611:2020

Dispositivos auxiliares de control y seguridad para quemadores y aparatos que utilizan combustibles gaseosos y/o líquidos. Requisitos generales. (Sustituye a: UNE-EN 13611:2016)

**Precio:** 151 EUR

## CTN 62 BIENES DE EQUIPO INDUSTRIALES Y EQUIPOS A PRESIÓN

### UNE-EN ISO 14456:2017/A1:2020

Botellas de gas. Propiedades del gas y códigos de clasificación asociados (FTSC). Modificación 1. (ISO 14456:2015/Amd 1:2019)

**Precio:** 29 EUR

### UNE 62424:2020

Compartimentación «in situ» de tanques metálicos enterrados que almacenan productos petrolíferos líquidos

**Precio:** 56 EUR

### UNE-EN 12807:2020

Equipos y accesorios para GLP. Botellas transportables y recargables en acero soldadas por soldeo fuerte para gases licuados del petróleo (GLP). Diseño y fabricación. (Sustituye a: UNE-EN 12807:2010)

**Precio:** 62 EUR

## CTN 66 GESTIÓN DE LA CALIDAD Y EVALUACIÓN DE LA CONFORMIDAD

### UNE-ISO/IEC TR 17032:2020 IN

Evaluación de la conformidad. Directrices y ejemplos de un esquema para la certificación de procesos

**Precio:** 70 EUR

## CTN 71 TECNOLOGÍAS HABILITADORAS DIGITALES (THD)

### UNE 71362:2020

Calidad de los materiales educativos digitales (Sustituye a: UNE 71362:2017)

**Precio:** 100 EUR

## CTN 72 ILUMINACIÓN Y COLOR

### UNE-EN 17037:2020

Iluminación natural de los edificios

**Precio:** 88 EUR

## CTN 74 ACÚSTICA

### UNE-EN ISO 4869-1:2020

Acústica. Protectores auditivos contra el ruido. Parte 1: Método subjetivo para la medición de la atenuación acústica. (ISO 4869-1:2018). (Sustituye a: UNE-EN 24869-1:1994)

**Precio:** 58 EUR

## CTN 76 ESTRUCTURAS METÁLICAS PERMANENTES

### UNE-EN 13814-1:2020

Seguridad de las atracciones y de la maquinaria de entretenimiento. Parte 1: Proyecto y fabricación

**Precio:** 164 EUR

### UNE-EN 13814-2:2020

Seguridad de las atracciones y de la maquinaria de entretenimiento. Parte 2: Instalación, mantenimiento y explotación

**Precio:** 67 EUR

### UNE-EN 13814-3:2020

Seguridad de las atracciones y de la maquinaria de entretenimiento. Parte 3: Requisitos relativos a la inspección durante el proyecto, la fabricación y el funcionamiento

**Precio:** 50 EUR

**CTN 77 MEDIO AMBIENTE****UNE-EN ISO 12010:2020**

Calidad del agua. Determinación de alcanos policlorados de cadena corta (SCCP) en agua. Método por cromatografía de gases-espectrometría de masas (GC-MS) con ionización química negativa (NCI). (ISO 12010:2019). (Sustituye a: UNE-EN ISO 12010:2014)

**Precio:** 75 EUR

**CTN 78 INDUSTRIAS DE LA FUNDICIÓN****UNE-EN 1562:2020**

Fundición. Fundición maleable. (Sustituye a: UNE-EN 1562:2012)

**Precio:** 58 EUR

**CTN 83 HORMIGÓN****UNE-EN 12390-3:2020**

Ensayos de hormigón endurecido. Parte 3: Determinación de la resistencia a compresión de probetas. (Sustituye a: UNE-EN 12390-3:2009, UNE-EN 12390-3:2009/AC:2011)

**Precio:** 57 EUR

**UNE-EN 12390-5:2020**

Ensayos de hormigón endurecido. Parte 5: Resistencia a flexión de probetas. (Sustituye a: UNE-EN 12390-5:2009)

**Precio:** 50 EUR

**UNE-EN 12390-7:2020**

Ensayos de hormigón endurecido. Parte 7: Densidad del hormigón endurecido. (Sustituye a: UNE-EN 12390-7:2009)

**Precio:** 51 EUR

**CTN 86 FRÍO****UNE-EN 17032:2019/A1:2020**

Abatidores de refrigeración y congelación de uso profesional. Clasificación, requisitos y condiciones de ensayo

**Precio:** 29 EUR

**CTN 93 CONSUMIDORES****UNE-EN ISO 9202:2020**

Joyería y materiales preciosos. Ley de las aleaciones de metales preciosos. (ISO 9202:2019). (Sustituye a: UNE-EN ISO 9202:2017)

**Precio:** 38 EUR

**CTN 100 CLIMATIZACIÓN****UNE-EN 16798-1:2020**

Eficiencia energética de los edificios. Ventilación de los edificios. Parte 1: Parámetros del ambiente interior a considerar para el diseño y la evaluación de la eficiencia energética de edificios incluyendo la calidad del aire interior, condiciones térmicas, iluminación y ruido. Módulo 1-6. (Sustituye a: UNE-EN 15251:2008)

**Precio:** 101 EUR

**CTN 108 SEGURIDAD FÍSICA Y ELECTRÓNICA. SISTEMAS DE PROTECCIÓN Y ALARMA****UNE-EN 50131-4:2020**

Sistemas de alarma. Sistemas de alarma de intrusión y atraco. Parte 4: Dispositivos de advertencia

**Precio:** 66 EUR

**CTN 111 APARATOS Y DISPOSITIVOS MÉDICOS Y QUIRÚRGICOS****UNE-EN ISO 11138-7:2020**

Esterilización de productos sanitarios. Indicadores biológicos. Parte 7: Orientación para la selección, utilización e interpretación de los resultados. (ISO 11138-7:2019) (Sustituye a: UNE-EN ISO 14161:2010)

**Precio:** 99 EUR

**CTN 115 MAQUINARIA PARA LA CONSTRUCCIÓN, OBRA CIVIL Y EDIFICACIÓN****UNE-EN ISO 19014-3:2020**

Maquinaria para movimiento de tierras. Seguridad funcional. Parte 3: Prestaciones ambientales y requisitos de ensayo de los componentes electrónicos y eléctricos usados en las partes del sistema de mando relacionadas con la seguridad. (ISO 19014-3:2018)

**Precio:** 55 EUR

**CTN 123 CHIMENEAS****UNE-EN 13384-1:2016+A1:2020**

Chimeneas. Métodos de cálculo térmicos y fluidodinámicos. Parte 1: Chimeneas que prestan servicio a un único aparato de calefacción. (Sustituye a: UNE-EN 13384-1:2016)

**Precio:** 121 EUR

**CTN 131 COBRE Y SUS ALEACIONES****UNE-EN 17263:2020**

Cobre y aleaciones de cobre. Ensayo por corrientes inducidas de la superficie exterior de varillas, barras, varillas huecas y alambres para la detección de defectos con una bobina circundante

**Precio:** 50 EUR

**CTN 143 ADHESIVOS Y SELLANTES****UNE-EN ISO 10123:2020**

Adhesivos. Determinación de la resistencia a cizalla de los adhesivos anaeróbicos en probetas pasador-anillo. (ISO 10123:2013). (Sustituye a: UNE-EN 15337:2008)

**Precio:** 51 EUR

**CTN 147 DEPORTES. EQUIPAMIENTOS E INSTALACIONES DEPORTIVAS****UNE-EN 1069-1:2017+A1:2020**

Toboganes acuáticos. Parte 1: Requisitos de seguridad y métodos de ensayo. (Sustituye a: UNE-EN 1069-1:2017)

**Precio:** 82 EUR

**UNE-EN ISO 20957-9:2017/A1:2020**

Equipos fijos para entrenamiento. Parte 9: Entrenadores elípticos, requisitos específicos de seguridad y métodos de ensayo adicionales. Modificación 1 (ISO 20957-9:2016/Amd 1:2019)

**Precio:** 29 EUR

**CTN 164 BIOCMBUSTIBLES SÓLIDOS****UNE-EN ISO 20023:2020**

Biocombustibles sólidos. Seguridad de pélets de biocombustibles sólidos. Manipulación y almacenamiento seguros de pélets de madera en aplicaciones residenciales y otras aplicaciones a pequeña escala (ISO 20023:2018)

**Precio:** 83 EUR

## CTN 166 ACTIVIDADES DE INVESTIGACIÓN, DESARROLLO TECNOLÓGICO E INNOVACIÓN (I+D+I)

### UNE-ISO 56002:2020

Gestión de la innovación. Sistema de gestión de la innovación. Orientación

**Precio:** 66 EUR

## CTN 211 CABLES DE ENERGÍA ELÉCTRICA

### UNE 21150:2020

Cables flexibles con aislamiento de elastómero reticulado y cubierta reforzada de elastómero reticulado, de tensión asignada 0,6/1 kV

**Precio:** 49 EUR

## CTN 216 EFICIENCIA ENERGÉTICA, CAMBIO CLIMÁTICO Y ENERGÍAS RENOVABLES

### UNE-EN ISO 14090:2020

Adaptación al cambio climático. Principios, requisitos y directrices (ISO 14090:2019)

**Precio:** 66 EUR

## CTN 321 ASCENSORES, ESCALERAS MECÁNICAS Y ANDENES MÓVILES

### UNE 58720:2020

Mantenimiento preventivo de ascensores

**Precio:** 53 EUR

### UNE-EN 17120:2020

Fotocatálisis. Purificación del agua. Evaluación del desempeño de materiales fotocatalíticos mediante la determinación de la degradación fenólica

**Precio:** 51

## Normas Anuladas

## FEBRERO

### CTN 36 SIDERURGIA

#### UNE-EN 10330:2015

Materiales magnéticos. Método para medir la coercitividad de los materiales magnéticos en circuito magnético abierto

### CTN 53 PLÁSTICOS Y CAUCHO

#### UNE-ISO 23529:2008

Elastómeros. Procedimientos generales de preparación y acondicionamiento de probetas para ensayos físicos

### CTN 60 COMBUSTIBLES GASEOSOS E INSTALACIONES Y APARATOS DE GAS

#### UNE-EN ISO 6326-1:2010

Gas natural. Determinación de compuestos de azufre. Parte 1: Introducción general. (ISO 6326-1:2007)

#### UNE-EN ISO 6326-3:1998

Gas natural. Determinación de compuestos de azufre. Parte 3: Determinación de sulfuro de hidrógeno, tioles y sulfuro de carbonilo por potenciometría. (ISO 6326-3:1989)

#### UNE-EN ISO 6326-5:1998

Gas natural. Determinación de compuestos de azufre. Parte 5: Método de combustión de Lingener. (ISO 6326-5:1989)

### CTN 62 BIENES DE EQUIPO INDUSTRIALES Y EQUIPOS A PRESIÓN

#### UNE-EN 1919:2001

Botellas para el transporte de gas. Botellas para gases licuados (excluyendo el acetileno y el GLP). Inspección en el momento del llenado

#### UNE-EN 1920:2001

Botellas para el transporte de gas. Botellas para gases comprimidos (excluyendo el acetileno). Inspección en el momento del llenado

### CTN 81 SEGURIDAD Y SALUD EN EL TRABAJO

#### UNE 81569:1991

Calidad del aire. Atmósferas en el puesto de trabajo. Determinación de plomo metálico y sus compuestos iónicos. Método de espectrofotometría de absorción atómica de llama

#### UNE 81581:1992

Calidad del aire. Atmósferas en los puestos de trabajo. Determinación de hidrocarburos aromáticos (benceno, tolueno, etilbenceno, p-xileno, 1, 2, 4-trimetilbenceno) en aire. Método del tubo de carbón activo/desorción con disolvente/cromatografía de gases

#### UNE 81582:1991

Calidad de aire. Atmósferas en los puestos de trabajo. Determinación de hidrocarburos clorados en aire. Método del tubo de carbón activo/desorción con disolvente/cromatografía de gases

#### UNE 81583:1992

Calidad del aire. Atmósferas en los puestos de trabajo. Determinación de hidrocarburos alifáticos (n-hexano, n-heptano, n-octano, n-nonano) en aire. Método del tubo de carbón activo/desorción con disolvente/cromatografía de gases

#### UNE 81584:1992

Calidad del aire. Atmósferas en los puestos de trabajo. Determinación de alcoholes (2-propanol, 2-metil-1-propanol, 1-butanol) en aire. Método del tubo de

carbón activo/desorción con disolvente/cromatografía de gases

**UNE 81585:1992**

Calidad del aire. Atmósferas en los puestos de trabajo. Determinación de éteres de glicoles (1-metoxi-2-propanol, 2-etoxietanol) en aire. Método del tubo de carbón activo/desorción con disolvente/cromatografía de gases

**UNE 81596:1994**

Calidad del aire. Atmósferas en los puestos de trabajo. Determinación de ésteres I (acetato de etilo; acetato de 2-metilpropilo y acetato de n-butilo) en aire. Método del tubo de carbón activo/desorción con disolvente. Cromatografía de gases

**UNE 81597:1994**

Calidad del aire. Atmósferas en los puestos de trabajo. Determinación de ésteres II (acetato de 1-metoxi-2-propilo, acetato de 2-etoxietilo) en aire. Método del tubo de carbón activo/desorción con disolvente. Cromatografía de gases

**CTN 82 METROLOGÍA Y CALIBRACIÓN**

**UNE-EN 61010-2-101:2004**

Requisitos de seguridad de equipos eléctricos de medida, control y uso en laboratorio. Parte 2-101: Requisitos particulares para equipos médicos para diagnóstico in vitro (DIV)

**CTN 84 ACEITES ESENCIALES Y PRODUCTOS COSMÉTICOS**

**UNE 84047:1995**

Materias primas cosméticas. Determinación del contenido en nitrógeno. Método kjeldhal (semi-micro)

**UNE 84055:1987**

Materias primas cosméticas. Determinación de arsénico en compuestos orgánicos

**UNE 84066:1987**

Materias primas cosméticas. Separación de ácidos grasos de los estearatos metálicos

**UNE 84088:1994**

Materias primas cosméticas. Determinación de las cenizas sulfatadas. Método gravimétrico

**UNE 84094:1994**

Materias primas cosméticas. Determinación de la riqueza de fenoxietanol. Método de acetilación con anhídrido acético

**CTN 88 PRODUCTOS DE CEMENTO REFORZADO CON FIBRAS**

**UNE-EN 492:2013+A1:2017**

Plaquetas de cemento reforzado con fibras y sus piezas complementarias. Especificación de producto y métodos de ensayo

**UNE-EN 12467:2013+A1:2017**

Placas planas de cemento reforzado con fibras. Especificaciones del producto y métodos de ensayo

**CTN 103 GEOTECNIA**

**UNE 7368:1977**

Determinación con agua oxigenada del contenido de materia orgánica en los suelos

**UNE 7371:1975**

Toma de muestras superficiales de suelo de tipo inalterado

**UNE 24013:1953**

Nomenclatura de terrenos para excavaciones y materiales de construcción

**CTN 130 ENSAYOS NO DESTRUCTIVOS**

**UNE-CEN/TR 15134:2011 IN**

Ensayos no destructivos. Examen automatizado por ultrasonidos. Selección y aplicación de sistemas

**UNE-CEN/TS 15053:2006 IN**

Ensayos no destructivos. Recomendaciones sobre los tipos de discontinuidades incluidas en las probetas utilizadas en los exámenes

**CTN 202 INSTALACIONES ELÉCTRICAS**

**UNE-CLC/TS 50560:2014**

Especificación de los requisitos marco de interoperabilidad (Ratificada por AENOR en diciembre de 2014.)

**UNE-EN 50402:2006**

Material eléctrico para la detección y medida de gases o vapores combustibles o tóxicos, o de oxígeno. Requisitos de seguridad funcional para los sistemas fijos de detección de gas

**UNE-EN 50402:2006/A1:2008**

Material eléctrico para la detección y medida de gases o vapores combustibles o tóxicos, o de oxígeno. Requisitos de seguridad funcional para los sistemas fijos de detección de gas

**CTN 203 EQUIPAMIENTO ELÉCTRICO Y SISTEMAS AUTOMÁTICOS PARA LA INDUSTRIA**

**UNE-EN 50121-5:2015**

Aplicaciones ferroviarias. Compatibilidad electromagnética. Parte 5: Emisión e inmunidad de las instalaciones fijas de suministro de energía y de los equipos asociados

**UNE-EN 50124-1/A1:2004**

Aplicaciones ferroviarias. Coordinación de aislamiento. Parte 1: Requisitos fundamentales. Distancias en el aire y líneas de fugas para cualquier equipo eléctrico y electrónico

**UNE-EN 50124-1:2001**

Aplicaciones ferroviarias. Coordinación de aislamiento. Parte 1: Requisitos fundamentales. Distancias en el aire y líneas de fuga para cualquier equipo eléctrico y electrónico

**UNE-EN 50124-1:2001 CORR:2010**

Aplicaciones ferroviarias. Coordinación de aislamiento. Parte 1: Requisitos fundamentales. Distancias en el aire y líneas de fuga para cualquier equipo eléctrico y electrónico

**UNE-EN 50124-1:2001/A2:2005**

Aplicaciones ferroviarias. Coordinación de aislamiento. Parte 1: Requisitos fundamentales. Distancias en el aire y líneas de fugas para cualquier equipo eléctrico y electrónico

**UNE-EN 50124-2:2001**

Aplicaciones ferroviarias. Coordinación de aislamiento. Parte 2: Sobretensiones y protecciones asociadas

**UNE-EN 50124-2:2001 CORR:2010**

Aplicaciones ferroviarias. Coordinación de aislamiento. Parte 2: Sobretensiones y protecciones asociadas

**UNE-EN 60623:2002**

Acumuladores alcalinos y otros acumuladores con electrolito no ácido. Elementos individuales prismáticos recargables abiertos de níquel-cadmio

**UNE-EN 60623:2002 ERRATUM**

Acumuladores alcalinos y otros acumuladores con electrolito no ácido. Elementos individuales prismáticos recargables abiertos de níquel-cadmio

**CTN 204 SEGURIDAD ELÉCTRICA****UNE-EN 60855:1998**

Tubos aislantes rellenos de espuma y barras aislantes macizas para trabajos en tensión

**UNE-EN 60855:1999 ERRATUM**

Tubos aislantes rellenos de espuma y barras aislantes macizas para trabajos en tensión

**CTN 206 PRODUCCIÓN DE ENERGÍA ELÉCTRICA****UNE-EN 61215:2006**

Módulos fotovoltaicos (FV) de silicio cristalino para uso terrestre. Cualificación del diseño y homologación

**CTN 208 COMPATIBILIDAD ELECTROMAGNÉTICA****UNE-EN 61000-4-10/A1:2001**

Compatibilidad electromagnética (CEM). Parte 4: Técnicas de ensayo y de medida. Sección 10: Ensayo de inmunidad a los campos magnéticos oscilatorios amortiguados. Norma básica de CEM

**UNE-EN 61000-4-10:1996**

Compatibilidad electromagnética (CEM). Parte 4: Técnicas de ensayo y de medida. Sección 10: Ensayo de inmunidad a los campos magnéticos oscilatorios amortiguados. Norma básica de CEM

**CTN 209 EQUIPOS ELECTRÓNICOS****UNE-EN 62211:2004**

Componentes inductivos. Gestión de la fiabilidad

**CTN 212 CABLES DE TELECOMUNICACIONES Y FIBRA ÓPTICA****UNE-EN 60794-1-2:2014**

Cables de fibra óptica. Parte 1-2: Especificación genérica. Tabla de referencias cruzadas para los procedimientos de ensayo de los cables de fibra óptica

**UNE-EN 60794-1-20:2014**

Cables de fibra óptica. Parte 1-20: Especificación genérica. Procedimientos básicos de ensayo para cables ópticos. Generalidades y definiciones

**UNE-EN 61300-2-4:1998**

Dispositivos de interconexión de fibra óptica y componentes pasivos. Ensayos básicos y procedimientos de medida. Parte 2-4: Ensayos. Retención de Fibra/Cable

## Normas Ratificadas

Fecha de Disponibilidad (DAV)

\*La correspondiente versión oficial de este documento se encuentra disponible en <https://www.etsi.org>

## MARZO

**CTN 1 NORMAS GENERALES****UNE-EN ISO 6414:2020**

Documentación técnica de productos (TPD). Dibujos técnicos para utensilios de vidrio. (ISO 6414:2020) (Ratificada por la Asociación Española de Normalización en marzo de 2020.) Sustituye a: UNE-EN ISO 6414:1995

**2020-01-29**

**CTN 25 APLICACIONES FERROVIARIAS****UNE-CEN/TR 15654-3:2019**

Aplicaciones ferroviarias. Medición de las fuerzas verticales en ruedas y ejes. Parte 3: Aprobación y verificación de sitios de medición en vía para vehículos en servicio. (Ratificada por la Asociación Española de Normalización en marzo de 2020.)

**2019-05-01**

**UNE-CEN/TR 17420:2020**

Aplicaciones ferroviarias. Diseño de extremos de vehículos para tranvías y vehículos de tren ligero con respecto a la seguridad de los peatones (Ratificada por la Asociación Española de Normalización en marzo de 2020.)

**2020-01-15**

**CTN 28 MATERIAL AEROESPACIAL****UNE-EN 4855-01:2020**

Material aeroespacial. ECO eficiencia de equipos de catering. Parte 01: Condiciones generales (Ratificada por la Asociación Española de Normalización en marzo de 2020.)

**2020-02-12**

**UNE-EN 4855-02:2020**

Material aeroespacial. ECO eficiencia de equipos de catering. Parte 02: Hornos (Ratificada por la Asociación Española de Normalización en marzo de 2020.)

**2020-02-12**



**UNE-EN 4855-03:2020**

Material aeroespacial. ECO eficiencia de equipos de catering. Parte 03: Equipo de refrigeración (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-02-12**

**UNE-EN 4855-04:2020**

Material aeroespacial. ECO eficiencia de equipos de catering. Parte 04: Aparatos para preparación de bebidas (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-02-12**

**UNE-EN 16604-20:2020**

Sostenibilidad espacial. Protección planetaria (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-01-22**

**CTN 56 MADERA Y CORCHO****UNE-EN 1534:2020**

Suelos de madera y parquet. Determinación de la resistencia a la huella (Brinell). Método de ensayo. (Ratificada por la Asociación Española de Normalización en marzo de 2020.) Sustituye a: UNE-EN 1534:2011 **2020-01-08**

**CTN 73 ENERGÍA NUCLEAR, TECNOLOGÍAS NUCLEARES Y PROTECCIÓN RADIOLÓGICA****UNE-EN ISO 11665-3:2020**

Medición de la radiactividad en el ambiente. Aire: radón-222. Parte 3: Método de medición puntual de la concentración de energía potencial alfa de sus productos de desintegración de vida corta. (ISO 11665-3:2020) (Ratificada por la Asociación Española de Normalización en marzo de 2020.) Sustituye a: UNE-EN ISO 11665-3:2016 **2020-02-05**

**UNE-EN ISO 11665-5:2020**

Medición de la radiactividad en el ambiente. Aire: radón-222. Parte 5: Método de medición en continuo para la concentración de actividad. (ISO 11665-5:2020). (Ratificada por la Asociación Española de Normalización en marzo de 2020.) Sustituye a: UNE-EN ISO 11665-5:2016 **2020-02-05**

**UNE-EN ISO 11665-6:2020**

Medición de la radiactividad en el ambiente. Aire: radón-222. Parte 6: Método de medición puntual para la concentración de actividad. (ISO 11665-6:2020) (Ratificada por la Asociación Española de Normalización en marzo de 2020.) Sustituye a: UNE-EN ISO 11665-6:2016 **2020-02-05**

**UNE-EN ISO 13164-1:2020**

Calidad del agua. Radón-222. Parte 1: Principios generales (ISO 13164-1:2013) (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-02-12**

**UNE-EN ISO 13164-2:2020**

Calidad del agua. Radón-222. Parte 2: Método de ensayo por espectrometría de rayos gamma (ISO 13164-2:2013) (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-02-12**

**UNE-EN ISO 13164-3:2020**

Calidad del agua. Radón-222. Parte 3: Método de ensayo por emanometría (ISO 13164-3:2013) (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-02-12**

**UNE-EN ISO 13164-4:2020**

Calidad del agua. Radón-222. Parte 4: Método de ensayo por recuento de centelleo líquido en dos fases. (ISO 13164-4:2015) (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-02-12**

**UNE-EN ISO 13165-1:2020**

Calidad del agua. Radio-226. Parte 1: Método de ensayo por recuento de centelleo líquido (ISO 13165-1:2013) (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-02-12**

**UNE-EN ISO 13165-2:2020**

Calidad del agua. Radio-226. Parte 2: Método de ensayo por emanometría (ISO 13165-2:2014) (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-02-12**

**UNE-EN ISO 13165-3:2020**

Calidad del agua. Radio-226. Parte 3: Método de ensayo por coprecipitación y gamma-espectrometría (ISO 13165-3:2016) (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-02-12**

**UNE-EN ISO 22908:2020**

Calidad del agua. Radio 226 y radio 228. Método de ensayo utilizando recuento de centelleo líquido (ISO 22908:2020) (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-02-05**

**CTN 81 SEGURIDAD Y SALUD EN EL TRABAJO****UNE-EN 13819-3:2019**

Protectores auditivos. Ensayos. Parte 3: Métodos de ensayo acústicos suplementarios (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2019-11-27**

**CTN 100 CLIMATIZACIÓN****UNE-EN 14908-7:2019**

Comunicación de datos abierta en automatización, control y gestión de edificios. Protocolo de control de red. Parte 7: Comunicación vía protocolos de internet (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2019-12-04**

**CTN 133 TELECOMUNICACIONES****UNE-EN 303345-2 V1.1.1 \***

Receptores de sonido emitido por radio; Parte 2: Servicio de radiodifusión sonora AM; Norma armonizada para el acceso al espectro radioeléctrico. (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-02-07**

**UNE-EN 303345-5 V1.1.1 \***

Receptores de sonido emitido por radio; Parte 5: Servicio de sonido de radiodifusión DRM; Norma armonizada para el acceso al espectro radioeléctrico. (Ratificada por la Asociación Española de Normalización en marzo de 2020.) **2020-02-07**

**CTN 159 SISTEMAS INTELIGENTES DE TRANSPORTE****UNE-CEN/TR 17370:2019**

Transporte público. Datos en bruto de operación e intercambio de estadísticas (Ratificada por la Asociación Española de Normalización en marzo de 2020.)

**2019-07-03****UNE-CEN/TR 17401:2020**

Sistemas inteligentes de transporte. ITS urbanos. Guía para un entorno de proveedores mixto (Ratificada por la Asociación Española de Normalización en marzo de 2020.)

**2020-01-22****UNE-CEN/TR 17447:2020**

Espacial. Uso de posicionamiento basado en GNSS para los sistemas de transporte inteligentes por carretera (ITS). Modelo de error matemático PVT (Ratificada por la Asociación Española de Normalización en marzo de 2020.)

**2020-02-05****UNE-CEN/TS 13149-7:2020**

Transporte público. Sistemas de programación y control para vehículos de carretera. Parte 7: Arquitectura de sistemas y de redes. (Ratificada por la Asociación Española de Normalización en marzo de 2020.) Sustituye a: UNE-CEN/TS 13149-7:2015 (Ratificada)

**2020-02-12****UNE-CEN/TS 16702-1:2020**

Peaje electrónico. Control seguro para sistemas autónomos de peaje. Parte 1: Control de conformidad (Ratificada por la Asociación Española de Normalización en marzo de 2020.) Sustituye a: UNE-CEN/TS 16702-1:2014 (Ratificada)

**2020-01-22****UNE-CEN/TS 16702-2:2020**

Peaje electrónico. Control seguro para sistemas autónomos de peaje. Parte 2: Registradores de confianza. (Ratificada por la Asociación Española de Normalización en marzo de 2020.) Sustituye a: UNE-CEN/TS 16702-2:2015 (Ratificada)

**2020-01-22****CTN 201 APARAMENTA Y ACCESORIOS DE BAJA TENSIÓN****UNE-EN 62026-3:2015/A11:2020**

Aparamenta de baja tensión. Interfaces para dispositivos controladores (CDIs). Parte 3: Red de dispositivos.

(Ratificada por la Asociación Española de Normalización en marzo de 2020.)

**2020-02-07****CTN 207 TRANSPORTE Y DISTRIBUCIÓN DE ENERGÍA ELÉCTRICA****UNE-EN 62488-2:2017/AC:2020-02**

Sistemas de comunicación de corriente portadora para aplicaciones de compañías eléctricas. Parte 2: Terminales portadores analógicos. (Ratificada por la Asociación Española de Normalización en marzo de 2020.)

**2020-02-14****CTN 210 ASPECTOS ELÉCTRICOS DE LAS TELECOMUNICACIONES****UNE-EN 50310:2016/A1:2020**

Redes de enlace de telecomunicaciones para edificios y otras estructuras. (Ratificada por la Asociación Española de Normalización en marzo de 2020.)

**2020-02-07****CTN 211 CABLES DE ENERGÍA ELÉCTRICA****UNE-HD 629.1 53:2019**

Requisitos de ensayo para accesorios de utilización en cables de energía de tensión asignada desde 3,6/6(7,2) kV hasta 20,8/36(42) kV. Parte 1: Cables con aislamiento extruido. (Ratificada por la Asociación Española de Normalización en marzo de 2020.)

**2019-03-22****CTN 215 EQUIPOS Y MÉTODOS DE MEDIDA RELACIONADOS CON LOS CAMPOS ELECTROMAGNÉTICOS EN EL ENTORNO HUMANO****UNE-EN IEC 62311:2020**

Evaluación de los equipos eléctricos y electrónicos respecto de las restricciones relativas a la exposición de las personas a los campos electromagnéticos (0 Hz a 300 GHz). (Ratificada por la Asociación Española de Normalización en marzo de 2020.)

**2020-01-24****UNE-EN 234:2019**

Revestimientos decorativos en rollos. Especificación de revestimientos decorativos para decoración posterior. (Ratificada por la Asociación Española de Normalización en marzo de 2020.) Sustituye a: UNE 57162:1991 ; UNE 57162/1M:1997

**2019-12-18**

## ISO

### Committee Drafts (CD) registrados

Registrados en la Secretaría Central entre el 1 de febrero de 2020 y el 1 de marzo de 2020. Estos documentos están actualmente sometidos a consideraciones en los comités técnicos correspondientes.

#### TC 4 ROLLING BEARINGS

##### ISO/CD TS 23768

Rolling bearings — Parts library - Reference dictionary for rolling bearings

#### TC 8 SHIPS AND MARINE TECHNOLOGY

##### ISO/CD 799-3

Ships and marine technology — Pilot ladders — Part 3: Attachments and associated equipment

#### TC 10 TECHNICAL PRODUCT DOCUMENTATION

##### ISO/CD 10209.2

Technical product documentation — Vocabulary — Terms relating to technical drawings, product definition and related documentation

##### ISO/CD 29845

Technical product documentation — Document types

#### TC 17 STEEL

##### ISO/CD 23825

Method for evaluating the nodularity of spheroidal carbides — Steels for cold heading and cold extruding

#### TC 20 AIRCRAFT AND SPACE VEHICLES

##### ISO/CD 23886

Aerospace — Collar, threaded, self-locking — Test method for torque and preload

##### ISO/CD 23887

Aerospace — Blind fasteners, threaded type, self-locking — Test method for locking torque

##### ISO/CD 22181

Aerospace fluid systems and components — Variable displacement hydraulic motors

##### ISO/CD TR 18146

Space systems — Space debris mitigation design and operation guidelines for spacecraft

#### TC 22 ROAD VEHICLES

##### ISO/CD 3894

Road vehicles — Wheels/rims for commercial vehicles — Test methods

##### ISO/CD 4107

Commercial vehicles — Wheel-hub attachment dimensions

##### ISO/CD 31120-1

Road vehicles — Demineralized water — Part 1: Quality requirements

#### TC 23 TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY

##### ISO 4254-7:2017/CD Amd 1

Agricultural machinery — Safety — Part 7: Combine harvesters, forage harvesters, cotton harvesters and sugar cane harvesters — Amendment 1: Amendment 1

#### TC 27 COAL AND COKE

##### ISO/CD TR 4077

Coal preparation plant — Guide to sampling in coal preparation plants

#### TC 28 PETROLEUM AND RELATED PRODUCTS, FUELS AND LUBRICANTS FROM NATURAL OR SYNTHETIC SOURCES

##### ISO/CD 11007-1

Petroleum products and lubricants — Determination of rust-prevention characteristics of lubricating greases — Part 1: Dynamic wet conditions

##### ISO/CD 11007-2

Petroleum products and lubricants — Determination of rust-prevention characteristics of lubricating greases — Part 2: Method with water wash-out

#### TC 29 SMALL TOOLS

##### ISO/CD 9286

Abrasive grains and crude — Chemical analysis of silicon carbide

##### ISO/CD 12164-1

Hollow taper interface with flange contact surface — Part 1: Shanks of type AB, CB and EB

##### ISO/CD 12164-2

Hollow taper interface with flange contact surface — Part 2: Receivers of type A, C and E for hollow taper shanks of type AB, CB and EB

##### ISO/CD 12164-3

Hollow taper interface with flange contact surface — Part 3: Shanks of type T, TA and U

##### ISO/CD 12164-4

Hollow taper interface with flange contact surface — Part 4: Receivers of type T and U for hollow taper shanks of type T, TA and U

##### ISO/CD 12164-5

Hollow taper interface with flange contact surface — Part 5: Shanks of type AS, CS and ES

##### ISO/CD 12164-6

Hollow taper interface with flange contact surface — Part 6: Receivers of type AS, CS and ES for hollow taper shanks of type AS, CS and ES

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**ISO/CD 22402-1**

Medium-transfer units for tool interfaces — Part 1: Transfer units for hollow taper shanks in accordance with ISO 12164

**ISO/CD 22402-2**

Medium-transfer units for tool interfaces — Part 2: Transfer units for polygonal taper interfaces in accordance with ISO 26623

**TC 30 MEASUREMENT OF FLUID FLOW IN CLOSED CONDUITS****ISO/CD 9300**

Measurement of gas flow by means of critical flow nozzles

**TC 33 REFRACTORIES****ISO/CD 8840**

Refractory materials — Determination of bulk density of granular materials (grain density)

**ISO/CD 22685**

Refractory products — Determination of compressive strength at elevated temperature

**TC 34 FOOD PRODUCTS****ISO/CD 24673**

Concentrated date juice — Specifications and test methods

**TC 35 PAINTS AND VARNISHES****ISO/CD 28199-1**

Paints and varnishes — Evaluation of properties of coating systems related to the application process — Part 1: Relevant vocabulary and preparation of test panels

**ISO/CD 28199-2**

Paints and varnishes — Evaluation of properties of coating systems related to the application process — Part 2: Colour stability, process hiding power, re-dissolving, overspray absorption, wetting, surface texture and mottling

**ISO/CD 28199-3**

Paints and varnishes — Evaluation of properties of coating systems related to the application process — Part 3: Visual assessment of sagging, formation of bubbles, pinholing and hiding power

**TC 38 TEXTILES****ISO/CD 2313-1**

Textiles — Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery — Part 1: Method of the horizontally folded specimen

**ISO/CD 2313-2**

Textiles — Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery — Part 2: Method of the vertically folded specimen

**TC 46 INFORMATION AND DOCUMENTATION****ISO/CD 24229**

Information and documentation — Codes for script conversion systems

**TC 52 LIGHT GAUGE METAL CONTAINERS****ISO/CD 21985**

Light gauge metal containers — Non-refillable LPG cartridges

**TC 58 GAS CYLINDERS****ISO/CD 11114-2**

Gas cylinders — Compatibility of cylinder and valve materials with gas contents — Part 2: Non-metallic materials

**ISO/CD 11515**

Gas cylinders — Refillable composite reinforced tubes of water capacity between 450 L and 3000 L — Design, construction and testing

**TC 59 BUILDINGS AND CIVIL ENGINEERING WORKS****ISO/CD 15928-6**

Houses — Description of performance — Part 6: Contribution to sustainable development

**ISO/CD 15928-7**

Houses — Description of performance — Part 7: Accessibility and usability

**TC 61 PLASTICS****ISO/CD 11358-1**

Plastics — Thermogravimetry (TG) of polymers — Part 1: General principles

**ISO/CD 24187**

Principles for the development of standards for investigation procedures of plastics in environmental matrices and related materials

**TC 68 FINANCIAL SERVICES****ISO 9564-1:2017/CD Amd 1**

Financial services — Personal Identification Number (PIN) management and security — Part 1: Basic principles and requirements for PINs in card-based systems — Amendment 1

**TC 83 SPORTS AND OTHER RECREATIONAL FACILITIES AND EQUIPMENT****ISO/CD TS 24665**

Sports and recreational facilities — Inspection and maintenance — Best practices

**ISO/CD TS 24667**

Sports and recreational facilities — Impact surfacing testing device

**TC 85 NUCLEAR ENERGY, NUCLEAR TECHNOLOGIES, AND RADIOLOGICAL PROTECTION****ISO/CD 24459**

Determination of Uranium in Nuclear Fuel Cycle Solutions—L-absorption Edge Spectrometry

**TC 92 FIRE SAFETY****ISO/CD 21925-2**

Fire resistance tests — Fire dampers for air distribution systems — Part 2: Intumescent dampers

**ISO/CD TR 17886**

Fire safety engineering — Design of evacuation experiments

**TC 130 GRAPHIC TECHNOLOGY****ISO/CD 12647-8.2**

Graphic technology — Process control for the production of half-tone colour separations, proof and production prints — Part 8: Validation print processes working directly from digital data

**ISO/CD TS 19303-1.2**

Graphic Technology — Guidelines for Schema Writers — Part 1: Packaging printing

**ISO/CD 20616-1.3**

Graphic technology — File format for quality control and metadata — Part 1: Print Requirements eXchange (PRX)

**TC 131 FLUID POWER SYSTEMS****ISO/CD 23840**

Water hydraulics — Water-hydraulic pumps — Methods of testing and representing basic steady-state performance

**TC 138 PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS****ISO/CD 23627**

Plastics piping systems for non-pressure underground drainage and sewerage — Steel Reinforced Corrugated Polyethylene Pipes and fittings

**TC 142 CLEANING EQUIPMENT FOR AIR AND OTHER GASES****ISO/CD 10121-3**

Test method for assessing the performance of gas-phase air cleaning media and devices for general ventilation — Part 3: Classification system for treatment of make up air

**TC 146 AIR QUALITY****ISO/CD 19694-7**

Stationary source emissions — Determination of greenhouse gas (GHG) emissions in energy-intensive industries — Part 7: Part 7: Semiconductor and display industries

**TC 147 WATER QUALITY****ISO/CD 23196**

Water quality — Calculation of biological equivalence concentrations (BEQ)

**TC 150 IMPLANTS FOR SURGERY****ISO/CD TS 21560.2**

General requirements of TEMPs

**TC 159 ERGONOMICS****ISO/CD TR 23476**

Ergonomics — Application of ISO 11228-1, ISO 11228-2, ISO 11228-3 and ISO 11226 in the agricultural sector

**ISO/CD TR 9241-610**

Ergonomics of human-system interaction — Part 610: Impact of light and lighting on humans

**TC 164 MECHANICAL TESTING OF METALS****ISO/CD TR 6892-5**

Metallic materials — Tensile testing — Part 5: Guideline for testing miniaturised test pieces

**TC 172 OPTICS AND PHOTONICS****ISO/CD 9802**

Raw optical glass — Vocabulary

**ISO/CD 21395-2**

Optics and photonics — Test method for refractive index of optical glasses — Part 2: V-block Refractometer Method

**ISO/CD 14490-5**

Optics and photonics — Test methods for telescopic systems — Part 5: Test methods for transmittance

**TC 180 SOLAR ENERGY****ISO/CD 9845-1**

Solar energy — Reference solar spectral irradiance at the ground at different receiving conditions — Part 1: Direct normal and hemispherical solar irradiance for air mass 1,5

**TC 184 AUTOMATION SYSTEMS AND INTEGRATION****ISO/CD 8000-66**

Data quality — Part 66: Data quality management: Assessment indicators for data processing in manufacturing operations

**ISO/CD TS 10303-15**

Industrial automation systems and integration — Product data representation and exchange — Part 15: Description methods: SysML XMI to XSD transformation

**ISO/CD 10303-59**

Industrial automation systems and integration — Product data representation and exchange — Part 59: Integrated generic resource: Quality of product shape data

**TC 185 SAFETY DEVICES FOR PROTECTION AGAINST EXCESSIVE PRESSURE****ISO/CD 4126-10**

Safety devices for protection against excessive pressure — Part 10: Sizing of safety valves for gas/liquid two-phase flow

**TC 198 STERILIZATION OF HEALTH CARE PRODUCTS****ISO/CD 11138-8.3**

Sterilization of health care products — Biological indicators — Part 8: Method for validation of a reduced incubation time for a biological indicator

**ISO/CD 11140-6.2**

Sterilization of health care products — Chemical indicators — Part 6: Class 2 indicators and process challenge devices for use in performance testing of steam sterilizers

**ISO/CD 22441**

Sterilization of health care products — Low temperature vaporized hydrogen peroxide — Requirements for the development, validation and routine control of a sterilization process for medical devices

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## TC 199 SAFETY OF MACHINERY

### ISO/CD TR 22100-1

Safety of machinery — Relationship with ISO 12100 — Part 1: How ISO 12100 relates to type-B and type-C standards

## TC 204 INTELLIGENT TRANSPORT SYSTEMS

### ISO/CD TS 17573-2

Electronic fee collection — System architecture for vehicle related tolling — Part 2: Terminology

### ISO/CD TS 21176

Cooperative intelligent transport systems (C-ITS) — Position, velocity and time functionality in the ITS station

### ISO/CD TS 21184

Cooperative intelligent transport systems (C-ITS) — Global transport data management (GTDM) framework

### ISO/CD TR 21186-1

Cooperative intelligent transport systems (C-ITS) — Guidelines on the usage of standards — Part 1: Standardization landscape and releases

### ISO/CD TR 21186-2

Cooperative intelligent transport systems (C-ITS) — Guidelines on the usage of standards — Part 2: Hybrid communications

### ISO/CD TR 21186-3

Cooperative intelligent transport systems (C-ITS) — Guidelines on the usage of standards — Part 3: Security

## TC 212 CLINICAL LABORATORY TESTING AND IN VITRO DIAGNOSTIC TEST SYSTEMS

### ISO/CD 15189

Medical laboratories — Requirements for quality and competence

## TC 214 ELEVATING WORK PLATFORMS

### ISO/CD 16653-2

Mobile elevating work platforms — Design, calculations, safety requirements and test methods relative to special features — Part 2: MEWPs with non-conductive (insulating) components

## TC 217 COSMETICS

### ISO/CD TR 23750

Answers to frequently asked questions on ingredients and product characterization according to ISO 16128

## TC 224 SERVICE ACTIVITIES RELATING TO DRINKING WATER SUPPLY, WASTEWATER AND STORMWATER SYSTEMS

### ISO/CD 24525

Activities relating to drinking water and wastewater services — Guidelines for the management of basic onsite domestic wastewater services — Operations and maintenance activities

## TC 228 TOURISM AND RELATED SERVICES

### ISO/CD 21620

Tourism and related services- Heritage Hotels

### ISO/CD 21621

Traditional restaurants — Visual aspects, decoration and services

### ISO/CD 23405

Tourism and related services — Principles and terminology of sustainable tourism

## TC 229 NANOTECHNOLOGIES

### ISO/CD TR 22293

Evaluation of methods for assessing the release of nanomaterials from commercial, nanomaterial-containing polymer composites

## TC 238 SOLID BIOFUELS

### ISO/CD TS 20049-2

Solid biofuels — Determination of self-heating of pelletized biofuels — Part 2: Basket heating tests

## TC 260 HUMAN RESOURCE MANAGEMENT

### ISO/CD 23326

Human Resource Management — employee engagement — guidelines

### ISO/CD TS 30421

Human resource management — Turnover and retention

### ISO/CD 30428

Human resource management - Skills and capabilities metrics cluster

## TC 261 ADDITIVE MANUFACTURING

### ISO/ASTM DIS 52925

Additive manufacturing processes — Laser sintering of polymer parts/laser-based powder bed fusion of polymer parts — Qualification of materials

## TC 262 RISK MANAGEMENT

### ISO/CD 31030

Risk management — Managing travel risks — Guidance for organizations

### ISO/CD 31070

Risk Management – Guidelines on core concepts

## TC 268 SUSTAINABLE CITIES AND COMMUNITIES

### ISO/DIS 37167

Smart community infrastructures — Smart transportation for energy saving operation by slowly driving intentionally

## TC 276 BIOTECHNOLOGY

### ISO/CD TR 3985

Biotechnology - Data publication - Preliminary considerations and concepts

## TC 300 SOLID RECOVERED FUELS

### ISO/CD 21646.2

Solid recovered fuels — Sample preparation

**TC 301 ENERGY MANAGEMENT AND ENERGY SAVINGS****ISO/CD 50006**

ISO 50006 Energy management systems — Evaluating Energy Performance using Energy Baselines and Energy Performance Indicators

**JTC 1 INFORMATION TECHNOLOGY****ISO/IEC CD 4396-1**

Telecommunications and information exchange between systems — Future network recursive inter-network architecture and protocols — Part 1: Reference model

**ISO/IEC CD 4396-2**

Telecommunications and information exchange between systems — Future network recursive inter-network architecture and protocols — Part 2: Common application connection establishment protocol

**ISO/IEC CD 4396-3**

Telecommunications and information exchange between systems — Future network recursive inter-network architecture and protocols — Part 3: Common distributed application protocol

**ISO/IEC CD 4396-4**

Telecommunications and information exchange between systems — Future network recursive inter-network architecture and protocols — Part 4: Flow allocator protocol

**ISO/IEC CD 4396-5**

Telecommunications and information exchange between systems — Future network recursive inter-network architecture and protocols — Part 5: Error and flow control protocol

**ISO/IEC 20008-2:2013/CD Amd 1**

Information technology — Security techniques — Anonymous digital signatures — Part 2: Mechanisms using a group public key — Amendment 1: Information security — Anonymous digital signatures — Part 2: Mechanisms using a group public key — Amendment 1

**ISO/IEC CD 20897-2**

Information technology — Information security, cybersecurity and privacy protection — Security requirements and test methods for physically unclonable functions for generating non-stored security parameters — Part 2: Test and evaluation methods

**ISO/IEC 13818-1:2019/CD Amd 2**

Information technology — Generic coding of moving pictures and associated audio information — Part 1: Systems — Amendment 2: Carriage of VVC in MPEG-2 Systems

**ISO/IEC CD 15444-16**

Information technology — JPEG 2000 image coding system — Part 16: Encapsulation of JPEG 2000 Images into ISO/IEC 23008-12

**ISO/IEC 19566-5:2019/CD Amd 1**

Information technologies — JPEG systems — Part 5: JPEG universal metadata box format (JUMBF) — Amendment 1: Support for embedding mixed code streams

**ISO/IEC 19566-6:2019/CD Amd 1**

Information technologies — JPEG systems — Part 6: JPEG 360 — Amendment 1: Addition of new JPEG 360 image types and accelerated ROI rendering

**ISO/IEC FDIS 23000-19/CD Amd 1**

Information technology — Multimedia application format (MPEG-A) — Part 19: Common media application format (CMAF) for segmented media — Amendment 1: Additional CMAF HEVC Media Profiles

**ISO/IEC 23000-22:2019/CD Amd 1**

Information technology — Multimedia application format (MPEG-A) — Part 22: Multi-image application format (MIAF) — Amendment 1: Reference Software and Conformance for Multi Image Application Format

**ISO/IEC FDIS 23001-10/CD Amd 1**

Information technology — MPEG systems technologies — Part 10: Carriage of timed metadata metrics of media in ISO base media file format — Amendment 1: Support for Content-Guided Transcoding and Spatial Relationship of Immersive Media

**ISO/IEC DIS 23008-1/CD Amd 1**

Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 1: MPEG media transport (MMT) — Amendment 1: Support of FCAST

**ISO/IEC DIS 23008-2/CD Amd 2**

Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 2: High efficiency video coding — Amendment 2: Additional Supplemental Enhancement Information

**ISO/IEC CD 23090-17**

Information technology — Coded representation of immersive media — Part 17: Reference Software and Conformance for OMAF

**ISO/IEC CD 11179-1**

Information technology — Metadata registries (MDR) — Part 1: Framework

**ISO/IEC CD 19075-1**

Information technology — Guidance for the use of database language SQL — Part 1: XQuery regular expressions

**ISO/IEC CD 19075-2**

Information technology — Guidance for the use of database language SQL — Part 2: Time-related information

**ISO/IEC CD 19075-3**

Information technology — Guidance for the use of database language SQL — Part 3: SQL embedded in programs using the JavaTM programming language

**ISO/IEC CD 19075-4**

Information technology — Guidance for the use of database language — Part 4: Routines and types using the JavaTM programming language

**ISO/IEC CD 19075-5**

Information technology — Guidance for the use of database language SQL — Part 5: Row pattern recognition

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## ISO/IEC CD 19075-6

Information technology — Guidance for the use of database language SQL — Part 6: Support for JSON

## ISO/IEC CD 19075-7

Information technology — Guidance for the use of database language SQL — Part 7: Polymorphic table functions

## ISO/IEC CD 19075-8

Information technology — Guidance for the use of database language SQL — Part 8: Multidimensional arrays

## ISO/IEC CD 29120-1.2

Information technology — Machine readable test data for biometric testing and reporting — Part 1: Test reports

## Draft International Standards (DIS) circulados

Periodo comprendido entre el 1 de febrero de 2020 y 1 de marzo de 2020. Estos documentos han obtenido un consenso en el seno de sus comités correspondientes y están sometidos a los organismos miembros para su votación hasta la fecha indicada.

(\*) Actualmente disponibles solo en inglés  
Fecha límite de voto

## CIE INTERNATIONAL COMMISSION ON ILLUMINATION

### ISO/CIE DIS 11664-2

Colorimetry — Part 2: CIE standard illuminants (Revision of ISO 11664-2:2007) **2020-05-07**

## PC 310 WHEELED CHILD CONVEYANCES

### ISO/DIS 31110

Wheeled child conveyances — Pushchairs and prams — Requirements and test methods **2020-05-01**

## TC 2 FASTENERS

### ISO 898-3:2018/DAmD 1

Mechanical properties of fasteners made of carbon steel and alloy steel — Part 3: Flat washers with specified property classes — Amendment 1 **2020-05-04**

### ISO 1891-2:2014/DAmD 1

Fasteners — Terminology — Part 2: Vocabulary and definitions for coatings — Amendment 1 **2020-05-15**

## TC 6 PAPER, BOARD AND PULPES

### ISO/DIS 12625-17

Tissue paper and tissue products — Part 17: Determination of disintegration in water **2020-05-13**

## TC 8 SHIPS AND MARINE TECHNOLOGY

### ISO/DIS 15364

Ships and marine technology — Pressure-vacuum valves for cargo tanks and devices to prevent the passage of flame into cargo tanks (Revision of ISO 15364:2016) **2020-04-27**

## TC 10 TECHNICAL PRODUCT DOCUMENTATION

### ISO/DIS 16792

Technical product documentation — Digital product definition data practices (Revision of ISO 16792:2015) **2020-05-13**

## TC 17 STEEL

### ISO/DIS 630-1

Structural steels — Part 1: General technical delivery conditions for hot-rolled products (Revision of ISO 630-1:2011) **2020-05-18**

### ISO/DIS 630-3

Structural steels — Part 3: Technical delivery conditions for fine-grain structural steels (Revision of ISO 630-3:2012) **2020-05-18**

### ISO/DIS 630-4

Structural steels — Part 4: Technical delivery conditions for high-yield-strength quenched and tempered structural steel plates (Revision of ISO 630-4:2012) **2020-05-18**

## TC 20 AIRCRAFT AND SPACE VEHICLES

### ISO/DIS 24567

Aerospace series — Pipe coupling 8°30' in titanium alloy — Thrust wire nuts **2020-05-07**

### ISO/DIS 24568

Aerospace series — Pipe coupling 8°30' up to 28 000 kPa Dynamic beam seal — Metric series — Technical specification **2020-05-07**

## TC 22 ROAD VEHICLES

### ISO/SAE DIS 21434

Road vehicles — Cybersecurity engineering **2020-05-06**

## TC 23 TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY

### ISO/DIS 17567

Agricultural and forestry tractors and implements — Hydraulic power beyond (Revision of ISO 17567:2005) **2020-04-28**

### ISO/DIS 19472-2

Machinery for forestry — Winches — Dimensions, performance and safety — Part 2: Traction aid winches **2020-04-27**

### ISO/DIS 11680-1

Machinery for forestry — Safety requirements and testing for pole-mounted powered pruners — Part 1: Machines fitted with an integral combustion engine (Revision of ISO 11680-1:2011) **2020-05-12**

### ISO/DIS 11680-2

Machinery for forestry — Safety requirements and testing for pole-mounted powered pruners — Part 2:



Machines for use with back-pack power source (Revision of ISO 11680-2:2011) **2020-05-12**

## **TC 28 PETROLEUM AND RELATED PRODUCTS, FUELS AND LUBRICANTS FROM NATURAL OR SYNTHETIC SOURCES**

### **ISO/DIS 12925-2**

Lubricants, industrial oils and related products (class L) — Family C (Gears) — Part 2: Specifications of categories CKH, CKJ and CKM (lubricants open and semi-enclosed gear systems) **2020-05-05**

## **TC 33 REFRACTORIES**

### **ISO/DIS 23071**

Refractory products — Determination of reduced species in carbon containing refractories by XRD **2020-04-30**

## **TC 34 FOOD PRODUCTS**

### **ISO/DIS 7970**

Wheat (*Triticum aestivum* L.) — Specification (Revision of ISO 7970:2011) **2020-05-15**

## **TC 37 LANGUAGE AND TERMINOLOGY**

### **ISO/DIS 12616-1**

Terminology work in support of multilingual communication — Part 1: Fundamentals of translation-oriented terminography (Revision of ISO 12616:2002) **2020-05-12**

### **ISO/DIS 24613-3**

Language resource management — Lexical markup framework (LMF) — Part 3: Etymological extension (Revision of ISO 24613:2008) **2020-05-11**

### **ISO/DIS 24613-4**

Language resource management — Lexical markup framework (LMF) — Part 4: TEI serialization (Revision of ISO 24613:2008) **2020-05-11**

## **TC 38 TEXTILES**

### **ISO/DIS 105-X19**

Textiles — Tests for colour fastness — Part X19: Colour fastness to rubbing (Gakushin test method) **2020-05-13**

## **TC 43 ACOUSTICS**

### **ISO 389-3:2016/DAmD 1**

Acoustics — Reference zero for the calibration of audiometric equipment — Part 3: Reference equivalent threshold vibratory force levels for pure tones and bone vibrators — Amendment 1 **2020-05-04**

## **TC 44 WELDING AND ALLIED PROCESSES**

### **ISO/DIS 18595**

Resistance welding — Spot welding of aluminium and aluminium alloys — Weldability, welding and testing (Revision of ISO 18595:2007) **2020-04-27**

### **ISO/DIS 17279-3**

Welding — Micro joining of 2nd generation high temperature superconductors — Part 3: Test methods for joints **2020-05-13**

## **TC 45 RUBBER AND RUBBER PRODUCTS**

### **ISO/DIS 8066-3**

Rubber and plastics hoses and hose assemblies for automotive air conditioning — Specification — Part 3: Refrigerant 1234yf **2020-05-01**

### **ISO/DIS 14557**

Fire-fighting hoses — Rubber and plastics suction hoses and hose assemblies (Revision of ISO 14557:2002, ISO 14557:2002/Amd 1:2007) **2020-05-01**

### **ISO/DIS 248-1**

Rubber, raw — Determination of volatile-matter content — Part 1: Hot-mill method and oven method (Revision of ISO 248-1:2011) **2020-05-06**

### **ISO/DIS 2302**

Isobutene-isoprene rubber (IIR) — Evaluation procedure (Revision of ISO 2302:2014) **2020-05-01**

### **ISO/DIS 4097**

Rubber, ethylene-propylene-diene (EPDM) — Evaluation procedure (Revision of ISO 4097:2014) **2020-05-05**

### **ISO/DIS 4659**

Styrene-butadiene rubber (carbon black or carbon black and oil masterbatches) — Evaluation procedure (Revision of ISO 4659:2014) **2020-05-05**

## **TC 46 INFORMATION AND DOCUMENTATION**

### **ISO/DIS 690**

Information and documentation — Guidelines for bibliographic references and citations to information resources (Revision of ISO 690:2010) **2020-05-13**

## **TC 58 GAS CYLINDERS**

### **ISO/DIS 407**

Small medical gas cylinders — Pin-index yoke-type valve connections (Revision of ISO 407:2004) **2020-04-30**

### **ISO 13088:2011/DAmD 1**

Gas cylinders — Acetylene cylinder bundles — Filling conditions and filling inspection — Amendment 1 **2020-05-12**

## **TC 59 BUILDINGS AND CIVIL ENGINEERING WORKS**

### **ISO/DIS 21542**

Building construction — Accessibility and usability of the built environment (Revision of ISO 21542:2011) **2020-05-14**

### **ISO/DIS 10845-1**

Construction procurement — Part 1: Processes, methods and procedures (Revision of ISO 10845-1:2010) **2020-05-04**

### **ISO/DIS 10845-2**

Construction procurement — Part 2: Formatting and compilation of procurement documentation (Revision of ISO 10845-2:2011) **2020-05-04**

## **TC 61 PLASTICS**

### **ISO/DIS 17088**

Plastics — Organic recycling — Specifications for compostable plastics (Revision of ISO 17088:2012) **2020-05-06**

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## TC 67 MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM, PETROCHEMICAL AND NATURAL GAS INDUSTRIES

### ISO/DIS 19901-2

Petroleum and natural gas industries — Specific requirements for offshore structures — Part 2: Seismic design procedures and criteria (Revision of ISO 19901-2:2017) **2020-04-30**

## TC 76 TRANSFUSION, INFUSION AND INJECTION, AND BLOOD PROCESSING EQUIPMENT FOR MEDICAL AND PHARMACEUTICAL USE

### ISO/DIS 8536-12

Infusion equipment for medical use — Part 12: Check valves for single use (Revision of ISO 8536-12:2007) **2020-04-30**

## TC 84 DEVICES FOR ADMINISTRATION OF MEDICINAL PRODUCTS AND CATHETERS

### ISO/DIS 11608-1

Needle-based injection systems for medical use — Requirements and test methods — Part 1: Needle-based injection systems (Revision of ISO 11608-1:2014) **2020-05-12**

### ISO/DIS 11608-2

Needle-based injection systems for medical use — Requirements and test methods — Part 2: Double-ended needles (Revision of ISO 11608-2:2012) **2020-05-12**

### ISO/DIS 11608-3

Needle-based injection systems for medical use — Requirements and test methods — Part 3: NIS containers and integrated fluid paths (Revision of ISO 11608-3:2012) **2020-05-12**

### ISO/DIS 11608-4

Needle-based injection systems for medical use — Requirements and test methods — Part 4: Needle-based injection systems containing electronics (Revision of ISO 11608-4:2006) **2020-05-12**

### ISO/DIS 11608-5

Needle-based injection systems for medical use — Requirements and test methods — Part 5: Automated functions (Revision of ISO 11608-5:2012) **2020-05-12**

### ISO/DIS 11608-6

Needle-based injection systems for medical use — Requirements and test methods — Part 6: On-body delivery systems **2020-05-12**

## TC 85 NUCLEAR ENERGY, NUCLEAR TECHNOLOGIES, AND RADIOLOGICAL PROTECTION

### ISO/DIS 20041-1

Tritium and carbon-14 activity in gaseous effluents and gas discharges of nuclear installations — Part 1: Sampling of tritium and carbon-14 **2020-04-29**

### ISO/DIS 21909-1

Passive neutron dosimetry systems — Part 1: Performance and test requirements for personal dosimetry (Revision of ISO 21909-1:2015) **2020-05-11**

### ISO/DIS 21909-2

Passive neutron dosimetry systems — Part 2: Methodology and criteria for the qualification of personal dosimetry systems in workplaces **2020-05-11**

## TC 86 REFRIGERATION AND AIR-CONDITIONING

### ISO/DIS 13256-1

Water-source heat pumps — Testing and rating for performance — Part 1: Water-to-air and brine-to-air heat pumps (Revision of ISO 13256-1:1998) **2020-05-06**

### ISO/DIS 13256-2

Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps (Revision of ISO 13256-2:1998) **2020-05-06**

## TC 87 CORK

### ISO/DIS 2385

Packed cork — Virgin cork, raw reproduction cork, burnt cork, boiled reproduction cork and raw cork waste — Sampling to determine moisture content (Revision of ISO 2385:2015) **2020-04-29**

### ISO/DIS 22308-1

Cork bark selected as bottling product — Part 1: Sensory analysis (Revision of ISO 22308:2005) **2020-04-29**

## TC 91 SURFACE ACTIVE AGENTS

### ISO/DIS 23324

Surface active agents — Fabric conditioners — Determination of antistatic performance **2020-05-08**

## TC 113 HYDROMETRY

### ISO/DIS 3455

Hydrometry — Calibration of current-meters in straight open tanks (Revision of ISO 3455:2007) **2020-04-29**

## TC 127 EARTH-MOVING MACHINERY

### ISO 12511:1997/DAMd 1

Earth-moving machinery — Hour meters — Amendment 1 **2020-05-11**

## TC 130 GRAPHIC TECHNOLOGY

### ISO/DIS 2834-1

Graphic technology paper and ink — Laboratory preparation of test prints — Part 1: Paste inks (Revision of ISO 2834-1:2006) **2020-05-06**

### ISO/DIS 12643-3

Graphic technology — Safety requirements for graphic technology equipment and systems — Part 3: Binding and finishing equipment and systems (Revision of ISO 12643-3:2010) **2020-05-05**

### ISO/DIS 12643-4

Graphic technology — Safety requirements for graphic technology equipment and systems — Part 4: Converting equipment and systems (Revision of ISO 12643-4:2010) **2020-05-05**

**TC 131 FLUID POWER SYSTEMS****ISO/DIS 10094-2**

Pneumatic fluid power — Electro-pneumatic pressure control valves — Part 2: Test methods to determine main characteristics to include in the supplier's literature (Revision of ISO 10094-2:2010) **2020-05-07**

**TC 134 FERTILIZERS, SOIL CONDITIONERS AND BENEFICIAL SUBSTANCES****ISO/DIS 22887**

Determination of total sulphur in fertilizers by high temperature combustion **2020-05-06**

**TC 138 PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS****ISO 15875-2:2003/DAMd 2**

Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 2: Pipes — Amendment 2 **2020-05-13**

**ISO 15875-3:2003/DAMd 1**

Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 3: Fittings — Amendment 1 **2020-05-13**

**ISO 15875-5:2003/DAMd 1**

Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 5: Fitness for purpose of the system — Amendment 1 **2020-05-13**

**ISO 15876-2:2017/DAMd 1**

Plastics piping systems for hot and cold water installations — Polybutene (PB) — Part 2: Pipes — Amendment 1 **2020-05-13**

**ISO 15876-3:2017/DAMd 1**

Plastics piping systems for hot and cold water installations — Polybutene (PB) — Part 3: Fittings — Amendment 1 **2020-05-13**

**ISO 15876-5:2017/DAMd 1**

Plastics piping systems for hot and cold water installations — Polybutene (PB) — Part 5: Fitness for purpose of the system — Amendment 1 **2020-05-13**

**ISO 15877-2:2009/DAMd 2**

Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C) — Part 2: Pipes — Amendment 2 **2020-05-13**

**ISO 15877-5:2009/DAMd 2**

Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C) — Part 5: Fitness for purpose of the system — Amendment 2 **2020-05-13**

**ISO 22391-2:2009/DAMd 1**

Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) — Part 2: Pipes — Amendment 1 **2020-05-13**

**ISO 22391-3:2009/DAMd 1**

Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) — Part 3: Fittings — Amendment 1 **2020-05-13**

**ISO 22391-5:2009/DAMd 1**

Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) — Part 5: Fitness for purpose of the system — Amendment 1 **2020-05-13**

**TC 147 WATER QUALITY****ISO/DIS 21863**

Water quality — Determination of alkylmercury compounds in water — Method using gas chromatography-mass spectrometry (GC-MS) after phenylation and solvent extraction **2020-04-29**

**ISO/DIS 10703**

Water quality — Gamma-ray emitting radionuclides — Text method using gamma-ray spectrometry (Revision of ISO 10703:2007) **2020-05-18**

**ISO/DIS 13160**

Water quality — Strontium 90 and strontium 89 — Test methods using liquid scintillation counting or proportional counting (Revision of ISO 13160:2012) **2020-05-18**

**TC 153 Valves****ISO/DIS 10631**

Industrial valves - Metallic butterfly valves (Revision of ISO 10631:2013) **2020-05-12**

**TC 156 CORROSION OF METALS AND ALLOYS****ISO/DIS 22848**

Test method for measuring stress corrosion crack growth rate of steels and alloys under static-load condition in high-temperature water **2020-05-13**

**ISO/DIS 23123**

Corrosion control engineering life cycle—General requirements **2020-05-08**

**ISO/DIS 23221**

General requirements for pipeline corrosion control engineering life cycle **2020-05-08**

**ISO/DIS 23222**

Corrosion control engineering life cycle — Risk assessment **2020-05-08**

**TC 159 ERGONOMICS****ISO/DIS 9241-971**

Ergonomics of human-system interaction — Part 971: Guidance on physical (tactile/haptic) accessibility **2020-05-05**

**TC 161 CONTROLS AND PROTECTIVE DEVICES FOR GAS AND/OR OIL****ISO/DIS 23551-1**

Safety and control devices for gas burners and gas-burning appliances — Particular requirements — Part 1: Automatic and semi-automatic valves (Revision of ISO 23551-1:2012) **2020-04-29**

**ISO/DIS 23551-6**

Safety and control devices for gas burners and gas-burning appliances — Particular requirements — Part 6: Thermoelectric flame supervision controls (Revision of ISO 23551-6:2014) **2020-05-05**

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## ISO/DIS 23551-9

Safety and control devices for gas burners and gas-burning appliances — Particular requirements — Part 9: Mechanical gas thermostats (Revision of ISO 23551-9:2015) **2020-05-12**

## ISO/DIS 23551-11

Safety and control devices for gas burners and gas-burning appliances — Particular requirements — Part 11: Automatic shut-off valves for operating pressure of above 500 kPa up to and including 6300 kPa **2020-05-12**

## TC 168 PROSTHETICS AND ORTHOTICS

### ISO/DIS 8549-1

Prosthetics and orthotics — Vocabulary — Part 1: General terms for external limb prostheses and external orthoses (Revision of ISO 8549-1:1989) **2020-05-07**

### ISO/DIS 8549-2

Prosthetics and orthotics — Vocabulary — Part 2: Terms relating to external limb prostheses and wearers of these prostheses (Revision of ISO 8549-2:1989) **2020-05-07**

### ISO/DIS 8549-3

Prosthetics and orthotics — Vocabulary — Part 3: Terms relating to orthoses (Revision of ISO 8549-3:1989) **2020-05-07**

## TC 184 AUTOMATION SYSTEMS AND INTEGRATION

### ISO/DIS 22549-1.2

Automation systems and integration — Assessment on convergence of informatization and industrialization for industrial enterprises — Part 1: Framework and reference model **2020-04-10**

## TC 188 SMALL CRAFT

### ISO/DIS 8469

Small craft — Non-fire-resistant fuel hoses (Revision of ISO 8469:2013) **2020-05-13**

## TC 190 SOIL QUALITY

### ISO/DIS 11916-3

Soil quality — Determination of selected explosives and related compounds — Part 3: Method using liquid chromatography-tandem mass spectrometry (LC-MS/MS) **2020-05-12**

### ISO 23753-1:2019/DAMd 1

Soil quality — Determination of dehydrogenases activity in soils — Part 1: Method using triphenyltetrazolium chloride (TTC) — Amendment 1: Soil quality — Determination of dehydrogenases activity in soils — Part 1: Method using triphenyltetrazolium chloride (TTC) - Amendment 1 **2020-05-18**

### ISO 23753-2:2019/DAMd 1

Soil quality — Determination of dehydrogenases activity in soils — Part 2: Method using iodotetrazolium chloride (INT) — Amendment 1: Soil quality — Determination of dehydrogenases activity in soils — Part 2: Method using iodotetrazolium chloride (INT) - Amendment 1 **2020-05-18**

## TC 194 BIOLOGICAL AND CLINICAL EVALUATION OF MEDICAL DEVICES

### ISO/DIS 10993-2

Biological evaluation of medical devices — Part 2: Animal welfare requirements (Revision of ISO 10993-2:2006) **2020-05-07**

### ISO/DIS 10993-10

Biological evaluation of medical devices — Part 10: Tests for skin sensitization (Revision of ISO 10993-10:2010) **2020-05-08**

## TC 204 INTELLIGENT TRANSPORT SYSTEMS

### ISO/DIS 18561-1

Intelligent transport systems (ITS) — Urban mobility applications via nomadic device for green transport management — Part 1: General requirements for data exchange between ITS stations **2020-05-13**

### ISO/DIS 24014-1

Public transport — Interoperable fare management system — Part 1: Architecture (Revision of ISO 24014-1:2015) **2020-05-15**

## TC 210 QUALITY MANAGEMENT AND CORRESPONDING GENERAL ASPECTS FOR MEDICAL DEVICES

### ISO/DIS 15223-1

Medical devices — Symbols to be used with medical device labels, labelling and information to be supplied — Part 1: General requirements (Revision of ISO 15223-1:2016) **2020-05-14**

## TC 213 DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION

### ISO/DIS 8062-4

Geometrical product specifications — Dimensional and geometrical tolerances for moulded parts — Part 4: Rules and general tolerances for castings using profile tolerancing in a general datum system (Revision of ISO 8062-4:2017) **2020-05-12**

### ISO/DIS 12179

Geometrical product specifications (GPS) — Surface texture: Profile method — Calibration of contact (stylus) instruments (Revision of ISO 12179:2000, ISO 12179:2000/Cor 1:2003) **2020-04-27**

### ISO/DIS 21920-1

Geometrical product specifications (GPS) — Surface texture: Profile — Part 1: Indication of surface texture (Revision of ISO 1302:2002) **2020-05-13**

### ISO/DIS 21920-2

Geometrical product specifications (GPS) — Surface texture: Profile — Part 2: Terms, definitions and surface texture parameters (Revision of ISO 12085:1996/Cor 1:1998, ISO 4287:1997/Cor 1:1998, ISO 4287:1997/Cor 2:2005, ISO 4287:1997/Amd 1:2009, ISO 4287:1997, ISO 12085:1996, ISO 13565-2:1996, ISO 13565-2:1996/Cor 1:1998, ISO 13565-3:1998) **2020-05-13**

### ISO/DIS 21920-3

Geometrical product specifications (GPS) — Surface texture: Profile — Part 3: Specification operators **2020-05-13**

**TC 216 FOOTWEAR****ISO/DIS 16186**

Footwear — Critical substances potentially present in footwear and footwear components — Determination of Dimethylformamide (DMF) in footwear materials (Revision of ISO/TS 16186:2012) **2020-05-13**

**TC 224 SERVICE ACTIVITIES RELATING TO DRINKING WATER SUPPLY, WASTEWATER AND STORMWATER SYSTEMS****ISO/DIS 24528**

Service activities relating to drinking water systems and wastewater systems — Guideline for a water loss investigation of drinking water distribution networks **2020-05-04**

**TC 226 MATERIALS FOR THE PRODUCTION OF PRIMARY ALUMINIUM****ISO/DIS 22731**

Carbonaceous materials used in the production of aluminium — Cathode — Cathode abrasion testing **2020-05-06**

**TC 238 SOLID BIOFUELS****ISO/DIS 17225-1**

Solid biofuels — Fuel specifications and classes — Part 1: General requirements (Revision of ISO 17225-1:2014) **2020-05-13**

**ISO/DIS 17225-2**

Solid biofuels — Fuel specifications and classes — Part 2: Graded wood pellets (Revision of ISO 17225-2:2014) **2020-05-07**

**ISO/DIS 17225-3**

Solid biofuels — Fuel specifications and classes — Part 3: Graded wood briquettes (Revision of ISO 17225-3:2014) **2020-05-07**

**ISO/DIS 17225-4**

Solid biofuels — Fuel specifications and classes — Part 4: Graded wood chips (Revision of ISO 17225-4:2014) **2020-04-28**

**TC 256 PIGMENTS, DYESTUFFS AND EXTENDERS****ISO/DIS 1247-1**

Aluminium pigments for paints — Part 1: General aluminium pigments (Revision of ISO 1247:1974, ISO 1247:1974/Amd 1:1982) **2020-04-28**

**ISO/DIS 1247-2**

Aluminium pigments for paints — Part 2: Vacuum metallized aluminium paste (Revision of ISO 1247:1974) **2020-04-28**

**TC 282 WATER REUSE****ISO/DIS 23043**

Evaluation methods for industrial wastewater treatment reuse processes **2020-05-13**

**TC 299 ROBOTICS****ISO/DIS 10218-1**

Robotics — Safety requirements for robot systems in an industrial environment — Part 1: Robots (Revision of ISO 10218-1:2011) **2020-04-27**

**TC 300 SOLID RECOVERED FUELS****ISO/DIS 21645**

Solid recovered fuels — Methods for sampling **2020-05-19**

**ISO/DIS 21912**

Solid recovered fuels — Safe handling and storage of solid recovered fuels **2020-05-06**

**TC 306 FOUNDRY MACHINERY****ISO/DIS 23472-2**

Foundry machinery — Terminology — Part 2: Molding & coremaking machines and other equipment related to non-permanent mold casting process **2020-05-12**

**JTC 1 INFORMATION TECHNOLOGY****ISO/IEC DIS 10646**

Information technology — Universal coded character set (UCS) (Revision of ISO/IEC 10646:2017/Amd 1:2019, ISO/IEC 10646:2017, ISO/IEC 10646:2017/Amd 2:2019) **2020-05-12**

**ISO/IEC DIS 18013-5**

Personal identification — ISO-compliant driving licence — Part 5: Mobile driving licence (mDL) application **2020-04-29**

**ISO/IEC DIS 23360-1-1**

Linux Standard Base (LSB) — Part 1-1: Common definitions (Revision of ISO/IEC 23360-1:2006) **2020-05-08**

**ISO/IEC DIS 23360-1-2**

Linux Standard Base (LSB) — Part 1-2: Core specification generic part (Revision of ISO/IEC 23360-1:2006) **2020-05-08**

**ISO/IEC DIS 23360-1-3**

Linux Standard Base (LSB) — Part 1-3: Desktop specification generic part (Revision of ISO/IEC 23360-1:2006) **2020-05-08**

**ISO/IEC DIS 23360-1-4**

Linux Standard Base (LSB) — Part 1-4: Languages specification (Revision of ISO/IEC 23360-1:2006) **2020-05-08**

**ISO/IEC DIS 23360-1-5**

Linux Standard Base (LSB) — Part 1-5: Imaging specification (Revision of ISO/IEC 23360-1:2006) **2020-05-08**

**ISO/IEC DIS 23360-2-2**

Linux Standard Base (LSB) — Part 2-2: Core specification for X86-32 architecture (Revision of ISO/IEC 23360-2:2006) **2020-05-08**

**ISO/IEC DIS 23360-2-3**

Linux Standard Base (LSB) — Part 2-3: Desktop specification for X86-32 architecture (Revision of ISO/IEC 23360-2:2006) **2020-05-08**

**ISO/IEC DIS 23360-3-2**

Linux Standard Base (LSB) — Part 3-2: Core specification for IA64 (Itanium™) architecture (Revision of ISO/IEC 23360-3:2006) **2020-05-08**

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## ISO/IEC DIS 23360-3-3

Linux Standard Base (LSB) — Part 3-3: Desktop specification for IA64 (Itanium) architecture (Revision of ISO/IEC 23360-3:2006) **2020-05-08**

## ISO/IEC DIS 23360-4-2

Linux Standard Base (LSB) — Part 4-2: Core specification for AMD64 (X86-64) architecture (Revision of ISO/IEC 23360-4:2006) **2020-05-08**

## ISO/IEC DIS 23360-4-3

Linux Standard Base (LSB) — Part 4-3: Desktop specification for AMD64 (X86-64) architecture (Revision of ISO/IEC 23360-4:2006) **2020-05-08**

## ISO/IEC DIS 23360-5-2

Linux Standard Base (LSB) — Part 5-2: Core specification for PowerPC 32 architecture (Revision of ISO/IEC 23360-5:2006) **2020-05-08**

## ISO/IEC DIS 23360-5-3

Linux Standard Base (LSB) — Part 5-3: Desktop specification for PowerPC 32 architecture (Revision of ISO/IEC 23360-5:2006) **2020-05-08**

## ISO/IEC DIS 23360-6-2

Linux Standard Base (LSB) — Part 6-2: Core specification for PowerPC 64 architecture (Revision of ISO/IEC 23360-6:2006) **2020-05-08**

## ISO/IEC DIS 23360-6-3

Linux Standard Base (LSB) — Part 6-3: Desktop specification for PowerPC 64 architecture (Revision of ISO/IEC 23360-6:2006) **2020-05-08**

## ISO/IEC DIS 23360-7-2

Linux Standard Base (LSB) — Part 7-2: Core specification for S390 architecture (Revision of ISO/IEC 23360-7:2006) **2020-05-08**

## ISO/IEC DIS 23360-7-3

Linux Standard Base (LSB) — Part 7-3: Desktop specification for S390 architecture (Revision of ISO/IEC 23360-7:2006) **2020-05-08**

## ISO/IEC DIS 23360-8-2

Linux Standard Base (LSB) — Part 8-2: Core specification for S390X architecture (Revision of ISO/IEC 23360-8:2006) **2020-05-08**

## ISO/IEC DIS 23360-8-3

Linux Standard Base (LSB) — Part 8-3: Desktop specification for S390X architecture (Revision of ISO/IEC 23360-8:2006) **2020-05-08**

## ISO/IEC 11770-4:2017/DAmD 2

Information technology — Security techniques — Key management — Part 4: Mechanisms based on weak secrets — Amendment 2: Leakage-resilient password-authenticated key agreement with additional stored secrets **2020-05-06**

## ISO/IEC DIS 11770-5

Information technology — Security techniques — Key management — Part 5: Group key management (Revision of ISO/IEC 11770-5:2011) **2020-05-11**

## ISO/IEC DIS 27551

Information technology — Requirements for attribute-based unlinkable entity authentication **2020-04-29**

## ISO/IEC DIS 17991

Information technology — Office equipment — Method for measuring scanning productivity of digital scanning devices (Revision of ISO/IEC 17991:2015) **2020-05-12**

## ISO/IEC DIS 29500-2

Document description and processing languages — Office Open XML file formats — Part 2: Open packaging conventions (Revision of ISO/IEC 29500-2:2012) **2020-05-19**

## ISO/IEC 20000-2:2019/DAmD 1

Information technology — Service management — Part 2: Guidance on the application of service management systems — Amendment 1 **2020-05-06**

## Final Draft International Standards (FDIS) circulados

Periodo comprendido entre el 1 de febrero de 2020 y 1 de marzo de 2020. Estos proyectos de normas internacionales finales están sometidos a la aprobación formal de los organismos miembros hasta la fecha indicada.

(\*) Actualmente disponibles solo en inglés  
Fecha límite de voto

## PC 315 INDIRECT, TEMPERATURE-CONTROLLED REFRIGERATED DELIVERY SERVICES – LAND TRANSPORT OF PARCELS WITH INTERMEDIATE TRANSFER

### ISO/FDIS 23412

Indirect, temperature-controlled refrigerated delivery services — Land transport of parcels with intermediate transfer **2020-04-16**

## TC 5 FERROUS METAL PIPES AND METALLIC FITTINGS

### ISO/FDIS 16134

Earthquake-resistant and subsidence-resistant design of ductile iron pipelines (Revision of ISO 16134:2006) **2020-04-23**

## TC 6 PAPER, BOARD AND PULPS

### ISO/FDIS 8791-5

Paper and board — Determination of roughness/smoothness (air leak methods) — Part 5: Oken method **2020-04-10**

## TC 8 SHIPS AND MARINE TECHNOLOGY

### ISO/PAS 23678-1

Service personnel for the maintenance, thorough examination, operational testing, overhaul and repair of lifeboats (including free-fall lifeboats) and rescue boats

(including fast rescue boats), launching appliances and release gear — Part 1: General requirements for training providers

**ISO/PAS 23678-2**

Service personnel for the maintenance, thorough examination, operational testing, overhaul and repair of lifeboats (including free-fall lifeboats) and rescue boats (including fast rescue boats), launching appliances and release gear — Part 2: Service personnel initial training

**ISO/PAS 23678-3**

Service personnel for the maintenance, thorough examination, operational testing, overhaul and repair of lifeboats (including free-fall lifeboats) and rescue boats (including fast rescue boats), launching appliances and release gear — Part 3: Level 1 technician training

**ISO/PAS 23678-4**

Service personnel for the maintenance, thorough examination, operational testing, overhaul and repair of lifeboats (including free-fall lifeboats) and rescue boats (including fast rescue boats), launching appliances and release gear — Part 4: Level 2 in-field competence

**TC 10 TECHNICAL PRODUCT DOCUMENTATION**

**ISO/FDIS 128-1**

Technical product documentation (TPD) — General principles of representation — Part 1: Introduction and fundamental requirements (Revision of ISO 128-1:2003)  
**2020-04-17**

**TC 17 STEEL**

**ISO/FDIS 4947**

Steel and cast iron — Determination of vanadium content — Potentiometric titration method (Revision of ISO 4947:1986)  
**2020-04-08**

**ISO/FDIS 16573-1**

Steel — Measurement method for the evaluation of hydrogen embrittlement resistance of high strength steels — Part 1: Constant load test (Revision of ISO 16573:2015)  
**2020-04-12**

**TC 20 AIRCRAFT AND SPACE VEHICLES**

**ISO/FDIS 8788**

Aerospace — Nuts, metric — Tolerances of form and position (Revision of ISO 8788:2000)  
**2020-04-16**

**ISO/FDIS 16404**

Space systems — Programme management — Requirements management (Revision of ISO 16404:2013)  
**2020-04-15**

**ISO/FDIS 21384-4**

Unmanned aircraft systems — Part 4: Vocabulary  
**2020-04-23**

**TC 21 EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING**

**ISO/FDIS 21927-3**

Smoke and heat control systems — Part 3: Specifications for powered smoke and heat exhaust ventilators (Revision of ISO 21927-3:2006, ISO 21927-3:2006/Amd 1:2010)  
**2020-04-25**

**TC 22 ROAD VEHICLES**

**ISO/FDIS 8820-11**

Road vehicles — Fuse-links — Part 11: Fuse-links with tabs (blade type) Type M (medium-high current)  
**2020-04-15**

**ISO/FDIS 18669-2**

Internal combustion engines — Piston pins — Part 2: Inspection measuring principles (Revision of ISO 18669-2:2004)  
**2020-03-30**

**ISO/PRF TR 27957**

Road vehicles — Temperature measurement in anthropomorphic test devices — Definition of the temperature sensor locations (Revision of ISO/TR 27957:2008)

**TC 23 TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY**

**ISO/FDIS 4254-17**

Agricultural machinery — Safety — Part 17: Root crop harvesters  
**2020-04-20**

**ISO/FDIS 10726**

Portable chain saws — Chain catcher — Dimensions and mechanical strength (Revision of ISO 10726:1992)  
**2020-04-17**

**ISO 13772:2018/PRF Amd 1**

Forestry machinery — Portable chain-saws — Non-manually actuated chain brake performance — Amendment 1

**TC 24 PARTICLE CHARACTERIZATION INCLUDING SIEVING**

**ISO/PRF TR 22814**

Good practice for dynamic light scattering (DLS) measurements

**TC 25 CAST IRONS AND PIG IRONS**

**ISO/FDIS 185**

Grey cast irons — Classification (Revision of ISO 185:2019)  
**2020-04-22**

**TC 28 PETROLEUM AND RELATED PRODUCTS, FUELS AND LUBRICANTS FROM NATURAL OR SYNTHETIC SOURCES**

**ISO 12925-1:2018/FDAmd 1**

Lubricants, industrial oils and related products (class L) — Family C (gears) — Part 1: Specifications for lubricants for enclosed gear systems — Amendment 1: Pour point, according to ISO 3016, of categories CKTG, CKES, CKPG and CKPR — Change of limits  
**2020-04-14**

**TC 34 FOOD PRODUCTS**

**ISO/PRF 23305**

Fortified milk powders, infant formula and adult nutritionals — Determination of total biotin by liquid chromatography coupled with immunoaffinity column clean-up extraction

**ISO/FDIS 16140-4.2**

Microbiology of the food chain — Method validation — Part 4: Protocol for method validation in a single laboratory  
**2020-04-24**

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## ISO/FDIS 16140-5.2

Microbiology of the food chain — Method validation — Part 5: Protocol for factorial interlaboratory validation for non-proprietary methods **2020-04-24**

## ISO/PRF 660

Animal and vegetable fats and oils — Determination of acid value and acidity (Revision of ISO 660:2009)

## TC 35 PAINTS AND VARNISHES

### ISO/PRF 22553-7

Paints and varnishes — Electro-deposition coatings — Part 7: Electrical wet-film resistance

### ISO/PRF 22553-9

Paints and varnishes — Electro-deposition coatings — Part 9: Stoving loss

### ISO/PRF 22553-11

Paints and varnishes — Electro-deposition coatings — Part 11: Bath stability

### ISO/PRF 22553-12

Paints and varnishes — Electro-deposition coatings — Part 12: Sedimentation on horizontal areas

### ISO/FDIS 8502-6

Preparation of steel substrates before application of paints and related products — Tests for the assessment of surface cleanliness — Part 6: Extraction of water soluble contaminants for analysis (Bresle method) (Revision of ISO 8502-6:2006) **2020-03-31**

## TC 38 TEXTILES

### ISO/FDIS 1833-29

Textiles — Quantitative chemical analysis — Part 29: Mixtures of polyamide with polypropylene/polyamide bicomponent (method using sulfuric acid) **2020-04-21**

## TC 39 MACHINE TOOLS

### ISO/FDIS 19085-12.2

Woodworking machines — Safety — Part 12: Tenoning/profiling machines **2020-04-14**

## TC 43 ACOUSTICS

### ISO/PRF 12999-1

Acoustics — Determination and application of measurement uncertainties in building acoustics — Part 1: Sound insulation (Revision of ISO 12999-1:2014)

## TC 44 WELDING AND ALLIED PROCESSES

### ISO/FDIS 10863

Non-destructive testing of welds — Ultrasonic testing — Use of time-of-flight diffraction technique (TOFD) (Revision of ISO 10863:2011) **2020-04-18**

### ISO/PRF TR 20174

Welding — Grouping systems for materials — Japanese materials (Revision of ISO/TR 20174:2005)

## TC 45 RUBBER AND RUBBER PRODUCTS

### ISO/FDIS 8031

Rubber and plastics hoses and hose assemblies — Determination of electrical resistance and conductivity (Revision of ISO 8031:2009) **2020-05-11**

## ISO 289-2

Rubber, unvulcanized — Determinations using a shearing-disc viscometer — Part 2: Determination of pre-vulcanization characteristics (Revision of ISO 289-2:2016)

## ISO/FDIS 4660

Rubber, raw natural — Colour index test (Revision of ISO 4660:2011) **2020-04-01**

## TC 58 GAS CYLINDERS

### ISO/FDIS 11114-1

Gas cylinders — Compatibility of cylinder and valve materials with gas contents — Part 1: Metallic materials (Revision of ISO 11114-1:2012, ISO 11114-1:2012/Amd 1:2017) **2020-04-10**

## TC 60 GEARS

### ISO/PRF TS 14521

Gears — Calculation of load capacity of worm gears (Revision of ISO/TR 14521:2010)

## TC 61 PLASTICS

### ISO/FDIS 179-2

Plastics — Determination of Charpy impact properties — Part 2: Instrumented impact test (Revision of ISO 179-2:1997, ISO 179-2:1997/Cor 1:1998, ISO 179-2:1997/Amd 1:2011) **2020-04-09**

### ISO/FDIS 1628-2

Plastics — Determination of the viscosity of polymers in dilute solution using capillary viscometers — Part 2: Poly(vinyl chloride) resins (Revision of ISO 1628-2:1998) **2020-05-08**

### ISO/FDIS 24022-2

Plastics — Polystyrene (PS) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties (Revision of ISO 1622-2:1995) **2020-04-20**

### ISO/FDIS 24023-1

Plastics — Plasticized poly(vinyl chloride) (PVC-P) moulding and extrusion materials — Part 1: Designation system and basis for specifications (Revision of ISO 2898-1:1996) **2020-04-14**

### ISO/FDIS 24023-2

Plastics — Plasticized poly(vinyl chloride) (PVC-P) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties (Revision of ISO 2898-2:2008) **2020-04-14**

### ISO/FDIS 24025-1

Plastics — Sulfone polymer moulding and extrusion materials — Part 1: Designation system and basis for specifications (Revision of ISO 25137-1:2009) **2020-04-15**

### ISO/FDIS 24025-2

Plastics — Sulfone polymer moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties (Revision of ISO 25137-2:2009) **2020-04-15**



**ISO/FDIS 24026-1**

Plastics — Poly(methyl methacrylate) (PMMA) moulding and extrusion materials — Part 1: Designation system and basis for specifications (Revision of ISO 8257-1:1998) **2020-04-20**

**ISO/FDIS 24026-2**

Plastics — Poly(methyl methacrylate) (PMMA) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties (Revision of ISO 8257-2:2001) **2020-04-20**

**TC 69 APPLICATIONS OF STATISTICAL METHODS****ISO/FDIS 7870-3**

Control charts — Part 3: Acceptance control charts (Revision of ISO 7870-3:2012) **2020-03-31**

**TC 85 NUCLEAR ENERGY, NUCLEAR TECHNOLOGIES, AND RADIOLOGICAL PROTECTION****ISO/FDIS 12749-1**

Nuclear energy — Vocabulary — Part 1: General terminology **2020-04-13**

**ISO/ASTM PRF 52628**

Standard practice for dosimetry in radiation processing (Revision of ISO/ASTM 52628:2013)

**TC 89 WOOD-BASED PANELS****ISO/PRF 2426-1**

Plywood — Classification by surface appearance — Part 1: General (Revision of ISO 2426-1:2000)

**ISO/PRF 2426-2**

Plywood — Classification by surface appearance — Part 2: Hardwood (Revision of ISO 2426-2:2000)

**TC 92 FIRE SAFETY****ISO/FDIS 1182**

Reaction to fire tests for products — Non-combustibility test (Revision of ISO 1182:2010) **2020-03-30**

**TC 94 PERSONAL SAFETY -- PERSONAL PROTECTIVE EQUIPMENT****ISO/FDIS 16900-7**

Respiratory protective devices — Methods of test and test equipment — Part 7: Practical performance test methods (Revision of ISO 16900-7:2015) **2020-04-17**

**ISO/FDIS 16900-14**

Respiratory protective devices — Methods of test and test equipment — Part 14: Measurement of sound pressure level (Revision of ISO 16900-14:2015)

**2020-04-17****TC 96 CRANES****ISO/FDIS 12480-3**

Cranes — Safe use — Part 3: Tower cranes (Revision of ISO 12480-3:2016) **2020-04-06**

**TC 106 DENTISTRY****ISO/FDIS 22569**

Dentistry — Multifunction handpieces **2020-04-08**

**ISO/FDIS 22052**

Dentistry — Central compressed air source equipment (Revision of ISO/TS 22595-2:2008) **2020-04-22**

**TC 107 METALLIC AND OTHER INORGANIC COATINGS****ISO/FDIS 22680**

Metallic and other inorganic coatings — Measurement of the linear thermal expansion coefficient of thermal barrier coatings **2020-04-24**

**TC 110 INDUSTRIAL TRUCKS****ISO/FDIS 21262**

Industrial trucks — Safety rules for application, operation and maintenance **2020-04-16**

**ISO/FDIS 23676**

Rough-terrain trucks — Operator training — Content and methods **2020-04-21**

**TC 112 VACUUM TECHNOLOGY****ISO/FDIS 21360-1**

Vacuum technology — Standard methods for measuring vacuum-pump performance — Part 1: General description (Revision of ISO 21360-1:2012) **2020-04-21**

**ISO/FDIS 21360-2**

Vacuum technology — Standard methods for measuring vacuum-pump performance — Part 2: Positive displacement vacuum pumps (Revision of ISO 21360-2:2012) **2020-04-21**

**TC 113 HYDROMETRY****ISO/FDIS 18320**

Hydrometry — Measurement of liquid flow in open channels — Determination of the stage–discharge relationship (Revision of ISO 1100-2:2010) **2020-04-22**

**TC 119 POWDER METALLURGY****ISO/FDIS 4497**

Metallic powders — Determination of particle size by dry sieving (Revision of ISO 4497:1983) **2020-04-06**

**ISO/FDIS 13517**

Metallic powders — Determination of flow rate by means of a calibrated funnel (Gustavsson flowmeter) (Revision of ISO 13517:2013) **2020-03-31**

**TC 123 PLAIN BEARINGS****ISO/FDIS 2795**

Plain bearings — Sintered bushes — Dimensions and tolerances (Revision of ISO 2795:2014) **2020-04-15**

**ISO/FDIS 7902-1**

Hydrodynamic plain journal bearings under steady-state conditions — Circular cylindrical bearings — Part 1: Calculation procedure (Revision of ISO 7902-1:2013)

**2020-04-16****ISO/FDIS 7902-2**

Hydrodynamic plain journal bearings under steady-state conditions — Circular cylindrical bearings — Part 2: Functions used in the calculation procedure (Revision of ISO 7902-2:1998) **2020-04-15**

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## ISO/FDIS 7902-3

Hydrodynamic plain journal bearings under steady-state conditions — Circular cylindrical bearings — Part 3: Permissible operational parameters (Revision of ISO 7902-3:1998) **2020-04-15**

## TC 127 EARTH-MOVING MACHINERY

### ISO/FDIS 10968

Earth-moving machinery — Operator's controls (Revision of ISO 10968:2004) **2020-04-07**

## TC 131 FLUID POWER SYSTEMS

### ISO/FDIS 23309

Hydraulic fluid power systems — Assembled systems — Methods of cleaning lines by flushing (Revision of ISO 23309:2007) **2020-04-15**

### ISO/FDIS 9110-1

Hydraulic fluid power — Measurement techniques — Part 1: General measurement principles (Revision of ISO 9110-1:1990) **2020-04-15**

### ISO/FDIS 9110-2

Hydraulic fluid power — Measurement techniques — Part 2: Measurement of average steady-state pressure in a closed conduit (Revision of ISO 9110-2:1990) **2020-04-16**

## TC 146 AIR QUALITY

### ISO/FDIS 15202-1

Workplace air — Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma atomic emission spectrometry — Part 1: Sampling (Revision of ISO 15202-1:2012) **2020-04-24**

### ISO/PRF 15202-2

Workplace air — Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma atomic emission spectrometry — Part 2: Sample preparation (Revision of ISO 15202-2:2012)

### ISO/FDIS 4225

Air quality — General aspects — Vocabulary (Revision of ISO 4225:1994) **2020-04-06**

## TC 147 WATER QUALITY

### ISO/FDIS 10872

Water and soil quality — Determination of the toxic effect of sediment and soil samples on growth, fertility and reproduction of *Caenorhabditis elegans* (Nematoda) (Revision of ISO 10872:2010) **2020-04-08**

## TC 154 PROCESSES, DATA ELEMENTS AND DOCUMENTS IN COMMERCE, INDUSTRY AND ADMINISTRATION

### ISO/PRF 19626-1

Processes, data elements and documents in commerce, industry and administration — Trusted communication platforms for electronic documents — Part 1: Fundamentals

### ISO/PRF 22468

Value stream management (VSM)

## TC 156 CORROSION OF METALS AND ALLOYS

### ISO/FDIS 7539-10

Corrosion of metals and alloys — Stress corrosion testing — Part 10: Reverse U-bend method (Revision of ISO 7539-10:2013) **2020-04-09**

### ISO/FDIS 11844-1

Corrosion of metals and alloys — Classification of low corrosivity of indoor atmospheres — Part 1: Determination and estimation of indoor corrosivity (Revision of ISO 11844-1:2006) **2020-04-24**

### ISO/FDIS 21062.2

Corrosion of metals and alloys — Determination of the corrosion rates of embedded steel reinforcement in concrete exposed to simulated marine environments **2020-04-24**

## TC 157 NON-SYSTEMIC CONTRACEPTIVES AND STI BARRIER PROPHYLACTICS

### ISO 25841:2017/PRF Amd 1

Female condoms — Requirements and test methods — Amendment 1

## TC 159 ERGONOMICS

### ISO/FDIS 9241-110

Ergonomics of human-system interaction — Part 110: Interaction principles (Revision of ISO 9241-110:2006) **2020-04-22**

### ISO/FDIS 9241-394

Ergonomics of human-system interaction — Part 394: Ergonomic requirements for reducing undesirable biomedical effects of visually induced motion sickness during watching electronic images **2020-04-13**

## TC 182 GEOTECHNICS

### ISO/FDIS 22475-1

Geotechnical investigation and testing — Sampling methods and groundwater measurements — Part 1: Technical principles for the sampling of soil, rock and groundwater (Revision of ISO 22475-1:2006) **2020-04-21**

## TC 184 AUTOMATION SYSTEMS AND INTEGRATION

### ISO/PRF 10303-242

Industrial automation systems and integration — Product data representation and exchange — Part 242: Application protocol: Managed model-based 3D engineering (Revision of ISO 10303-242:2014, ISO 10303-242:2014/Cor 1:2016)

### ISO/FDIS 19440

Enterprise modelling and architecture — Constructs for enterprise modelling (Revision of ISO 19440:2007) **2020-04-01**

## TC 188 SMALL CRAFT

### ISO/FDIS 8849

Small craft — Electrically operated bilge pumps (Revision of ISO 8849:2003) **2020-04-15**

**TC 194 BIOLOGICAL AND CLINICAL EVALUATION OF MEDICAL DEVICES****ISO/FDIS 14155**

Clinical investigation of medical devices for human subjects — Good clinical practice (Revision of ISO 14155:2011, ISO 14155:2011/Cor 1:2011) **2020-04-01**

**ISO/FDIS 22442-1**

Medical devices utilizing animal tissues and their derivatives — Part 1: Application of risk management (Revision of ISO 22442-1:2015) **2020-04-06**

**TC 204 INTELLIGENT TRANSPORT SYSTEMS****ISO/FDIS 13185-4**

Intelligent transport systems — Vehicle interface for provisioning and support of ITS Services — Part 4: Unified vehicle interface protocol (UVIP) conformance test specification **2020-04-06**

**ISO/PRF 17572-4**

Intelligent transport systems (ITS) — Location referencing for geographic databases — Part 4: Precise relative location references (precise relative profile)

**ISO/PRF 21202**

Intelligent transport systems — Partially automated lane change systems (PALS) — Functional / operational requirements and test procedures

**TC 205 BUILDING ENVIRONMENT DESIGN****ISO/PRF TR 52120-2**

Energy performance of buildings — Contribution of building automation, controls and building management — Part 2: Explanation and justification of ISO 52120-1

**ISO/PRF TR 52127-2**

Energy performance of buildings — Building automation, controls and building management — Part 2: Explanation and justification of ISO 52127-1

**TC 210 QUALITY MANAGEMENT AND CORRESPONDING GENERAL ASPECTS FOR MEDICAL DEVICES****IEC 62366-1:2015/FDAmD 1**

Medical devices — Part 1: Application of usability engineering to medical devices — Amendment 1

**2020-04-24****TC 217 COSMETICS****ISO/FDIS 21322**

Cosmetics — Microbiology — Testing of impregnated or coated wipes and masks **2020-04-09**

**TC 219 FLOOR COVERINGS****ISO/FDIS 2551**

Textile floor coverings and textile floor coverings in tile form — Determination of dimensional changes due to the effects of varied water and heat conditions and distortion out of plane (Revision of ISO 2551:1981) **2020-04-02**

**ISO 11638**

Resilient floor coverings — Heterogeneous poly(vinyl chloride) flooring on foam — Specification (Revision of ISO 11638:2012)

**ISO/FDIS 12951**

Textile floor coverings — Determination of mass loss, fibre bind and stair nosing appearance change using the Lisson Tretrad machine (Revision of ISO 12951:2015)

**2020-04-13****TC 221 GEOSYNTHETICS****ISO/FDIS 12960**

Geotextiles and geotextile-related products — Screening test methods for determining the resistance to acid and alkaline liquids (Revision of ISO/TR 12960:1998)

**2020-04-02****ISO/PRF TR 18228-1**

Design using geosynthetics — Part 1: General

**TC 229 NANOTECHNOLOGIES****ISO/PRF TS 11308**

Nanotechnologies — Characterization of carbon nanotube samples using thermogravimetric analysis (Revision of ISO/TS 11308:2011)

**TC 238 SOLID BIOFUELS****ISO/PRF TS 20048-1**

Solid biofuels — Determination of off-gassing and oxygen depletion characteristics — Part 1: Laboratory method for the determination of off-gassing and oxygen depletion using closed containers

**ISO/FDIS 20049-1**

Solid biofuels — Determination of self-heating of pelletized biofuels — Part 1: Isothermal calorimetry

**2020-03-31****TC 241 ROAD TRAFFIC SAFETY MANAGEMENT SYSTEMS****ISO/PRF 39002**

Road traffic safety — Good practices for implementing commuting safety management

**TC 249 TRADITIONAL CHINESE MEDICINE****ISO/PRF TS 20498-3**

Traditional Chinese medicine — Computerized tongue image analysis system — Part 3: Colour chart

**ISO/FDIS 22236**

Traditional Chinese medicine — Thread-embedding acupuncture needle for single use **2020-04-21**

**TC 255 BIOGAS****ISO/FDIS 22580**

Flares for combustion of biogas **2020-04-13**

**TC 262 RISK MANAGEMENT****PRF IWA 31**

Risk management — Guidelines on using ISO 31000 in management systems

**ISO/FDIS 31022**

Risk management — Guidelines for the management of legal risk **2020-04-06**

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## TC 264 FIREWORKS

### ISO/FDIS 22863-3

Fireworks — Test methods for determination of specific chemical substances — Part 3: Lead and lead compounds by atomic absorption **2020-04-16**

## TC 266 BIOMIMETICS

### ISO/PRF TR 23845

Biomimetics — Ontology-Enhanced Thesaurus (OET) for biomimetics

## TC 269 RAILWAY APPLICATIONS

### ISO/FDIS 22888

Railway applications — Concepts and basic requirements for the planning of railway operation in the event of earthquakes **2020-04-06**

## TC 282 WATER REUSE

### ISO/FDIS 22449-2

Use of reclaimed water in industrial cooling systems — Part 2: Guidelines for cost analysis **2020-04-10**

### ISO/FDIS 22524

Pilot plan for industrial wastewater treatment facilities in the objective of water reuse **2020-04-13**

## TC 301 ENERGY MANAGEMENT AND ENERGY SAVINGS

### ISO/FDIS 50004

Energy management systems — Guidance for the implementation, maintenance and improvement of an ISO 50001 energy management system (Revision of ISO 50004:2014) **2020-04-24**

## JTC 1 INFORMATION TECHNOLOGY

### ISO/IEC/IEEE 8802-1X:2013/FDAmd 2

Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Part 1X: Port-based network access control — Amendment 2: YANG data model **2020-06-26**

### ISO/IEC/IEEE FDIS 8802-1AE

Telecommunications and exchange between information technology systems — Requirements for local and metropolitan area networks — Part 1AE: Media access control (MAC) security (Revision of ISO/IEC/IEEE 8802-1AE:2013, ISO/IEC/IEEE 8802-1AE:2013/Amd 1:2015, ISO/IEC/IEEE 8802-1AE:2013/Amd 3:2018, ISO/IEC/IEEE 8802-1AE:2013/Amd 2:2015) **2020-06-26**

### ISO/IEC/IEEE 8802-11:2018/FDAmd 3

Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements — Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications — Amendment 3: Enhancements for very high throughput to support Chinese millimeter wave frequency bands (60 GHz and 45 GHz) **2020-06-26**

### ISO/IEC/IEEE 8802-11:2018/FDAmd 4

Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements — Part 11: Wireless LAN medium access control (MAC)

and physical layer (PHY) specifications — Amendment 4: Enhancements for transit links within bridged network **2020-06-26**

### ISO/IEC/IEEE 8802-11:2018/FDAmd 5

Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements — Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications — Amendment 5: Preassociation discovery **2020-06-26**

### ISO/IEC PRF TS 33060

Information technology — Process assessment — Process assessment model for system life cycle processes (Revision of ISO/IEC 15504-6:2013)

### ISO/IEC PRF TR 24772-2

Programming languages — Guidance to avoiding vulnerabilities in programming languages — Part 2: Ada

### ISO 9660:1988/PRF Amd 2

Information processing — Volume and file structure of CD-ROM for information interchange — Amendment 2

### ISO/IEC PRF 18038

Information technology — Computer graphics, image processing and environmental representation — Sensor representation in mixed and augmented reality

### ISO/IEC 19566-4

Information technologies — JPEG systems — Part 4: Privacy and security

### ISO/IEC 21838-1

Information technology — Top-level ontologies (TLO) — Part 1: Requirements

### ISO/IEC 21838-2

Information technology — Top-level ontologies (TLO) — Part 2: Basic Formal Ontology (BFO)

## Normas Publicadas

Normas publicadas entre el 1 de febrero de 2020 y el 1 de marzo de 2020.

<sup>1</sup> Edición de la versión en idioma adicional

<sup>2</sup> Versión corregida

<sup>3</sup> Documento multilingüe

## TC 4 ROLLING BEARINGS

### ISO 7063:2018 en fr

Rolling bearings — Needle roller bearing track rollers — Boundary dimensions, geometrical product specifications (GPS) and tolerance values

**TC 6 PAPER, BOARD AND PULPS****ISO 6588-1:2020 en**

Paper, board and pulps — Determination of pH of aqueous extracts — Part 1: Cold extraction

**ISO 2493-2:2020 en**

Paper and board — Determination of resistance to bending — Part 2: Taber-type tester

**TC 8 SHIPS AND MARINE TECHNOLOGY****ISO 5480:2020 en**

Ships and marine technology — Guardrails for cargo ships

**TC 10 TECHNICAL PRODUCT DOCUMENTATION****ISO 21143:2020 en**

Technical product documentation — Requirements for digital mock-up virtual assembly test for mechanical products

**TC 17 STEEL****ISO 439:2020 en fr**

Steel and cast iron — Determination of silicon content — Gravimetric method

**ISO 9647:2020 en fr**

Steel — Determination of vanadium content — Flame atomic absorption spectrometric method (FAAS)

**ISO 4986:2020 en**

Steel and iron castings — Magnetic particle testing

**TC 20 AIRCRAFT AND SPACE VEHICLES****ISO 21785:2020 en**

Air cargo unit load devices — Load distribution model

**ISO 21894:2020 en**

Air cargo — Cargo stopper devices — Design and testing

**ISO 22137:2020 en**

Space systems — Program management — Test reviews

**ISO 21895:2020 en**

Categorization and classification of civil unmanned aircraft systems

**TC 21 EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING****ISO 7240-17:2020 en**

Fire detection and fire alarm systems — Part 17: Transmission path isolators

**TC 22 ROAD VEHICLES****ISO 14229-1:2020 en**

Road vehicles — Unified diagnostic services (UDS) — Part 1: Application layer

**ISO 14229-8:2020 en**

Road vehicles — Unified diagnostic services (UDS) — Part 8: UDS on Clock eXtension Peripheral Interface (UDSonCXPI)

**ISO 20794-2:2020 en**

Road vehicles — Clock extension peripheral interface (CXPI) — Part 2: Application layer

**ISO 20794-3:2020 en**

Road vehicles — Clock extension peripheral interface (CXPI) — Part 3: Transport and network layer

**ISO 20794-4:2020 en**

Road vehicles — Clock extension peripheral interface (CXPI) — Part 4: Data link layer and physical layer

**ISO 8820-12:2020 en**

Road vehicles — Fuse-links — Part 12: Fuse-links with tabs (blade type) Type N (sub miniature)

**ISO 8820-13:2020 en**

Road vehicles — Fuse-links — Part 13: Fuse-links with tabs (blade type) Type P (sub miniature three tabs)

**ISO 17409:2020 en**

Electrically propelled road vehicles — Conductive power transfer — Safety requirements

**ISO 21755-2:2020 en**

Motorcycles — Measurement method for evaporative emissions — Part 2: Permeation test procedure

**ISO/TR 21959-2:2020 en**

Road vehicles — Human performance and state in the context of automated driving — Part 2: Considerations in designing experiments to investigate transition processes

**ISO 3584:2020 en**

Road vehicles — Clevis couplings — Interchangeability

**TC 23 TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY****ISO 4254-11:2010/Amd 1:2020 en fr**

Agricultural machinery — Safety — Part 11: Pick-up balers — Amendment 1

**TC 27 COAL AND COKE****ISO 20904:2020 en**

Hard coal — Sampling of slurries

**TC 28 PETROLEUM AND RELATED PRODUCTS, FUELS AND LUBRICANTS FROM NATURAL OR SYNTHETIC SOURCES****ISO 6246:2017/Amd 1:2019 fr**

Petroleum products — Gum content of fuels — Jet evaporation method — Amendment 1: Purity requirement for n-heptane

**ISO 21493:2019 fr**

Petroleum products — Determination of turbidity point and aniline point equivalent

**ISO 21903:2020 en**

Refrigerated hydrocarbon fluids — Dynamic measurement — Requirements and guidelines for the calibration and installation of flowmeters used for liquefied natural gas (LNG) and other refrigerated hydrocarbon fluids

**ISO 13739:2020 en**

Petroleum products — Procedures for the transfer of bunkers to vessels

**ISO 12922:2020 en fr**

Lubricants, industrial oils and related products (class L) — Family H (hydraulic systems) — Specifications

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for hydraulic fluids in categories HFAE, HFAS, HFB, HFC, HFDR and HFDU

## TC 34 FOOD PRODUCTS

### ISO 665:2020 en fr

Oilseeds — Determination of moisture and volatile matter content

### ISO 23291:2020 fr

Milk and milk products — Guidelines for the application of in-line and on-line infrared spectrometry

### ISO 23293:2020 en fr

Milk-based infant formula powders — Quantification of whey protein content by sodium dodecyl sulfate-capillary gel electrophoresis (SDS-CGE)

## TC 35 PAINTS AND VARNISHES

### ISO 3668:2017 fr

Paints and varnishes — Visual comparison of colour of paints

### ISO 19403-1:2017 fr

Paints and varnishes — Wettability — Part 1: Terminology and general principles

### ISO 19403-2:2017 fr

Paints and varnishes — Wettability — Part 2: Determination of the surface free energy of solid surfaces by measuring the contact angle

## TC 36 CINEMATOGRAPHY

### ISO 9642:2020 en

Cinematography — Time and control code for 24, 25 and 30 frames per second motion-picture film systems — Specifications

## TC 39 MACHINE TOOLS

### ISO/TR 17243-3:2020 en

Machine tool spindles — Evaluation of machine tool spindle vibrations by measurements on spindle housing — Part 3: Gear-driven spindles with rolling bearings operating at speeds between 600 r/min and 12 000 r/min

### ISO 19744:2020 en

Test conditions for numerically controlled broaching machines — Testing of accuracy — Vertical surface type broaching machines

## TC 41 PULLEYS AND BELTS (INCLUDING VEEBELTS)

### ISO 21178:2020 en fr

Light conveyor belts — Determination of electrical resistances

## TC 44 WELDING AND ALLIED PROCESSES

### ISO 21904-1:2020 en fr

Health and safety in welding and allied processes — Equipment for capture and separation of welding fume — Part 1: General requirements

### ISO 21904-2:2020 en fr

Health and safety in welding and allied processes — Equipment for capture and separation of welding fume — Part 2: Requirements for testing and marking of separation efficiency

### ISO 21904-4:2020 en fr

Health and safety in welding and allied processes — Equipment for capture and separation of welding fume — Part 4: Determination of the minimum air volume flow rate of capture devices

## TC 45 RUBBER AND RUBBER PRODUCTS

### ISO 3862:2020 en

Rubber hoses and hose assemblies — Rubber-covered spiral-wire-reinforced hydraulic types for oil-based or water-based fluids — Specification

### ISO 7270-1:2020 en

Rubber — Analysis by pyrolytic gas-chromatographic methods — Part 1: Identification of polymers (single polymers and polymer blends)

### ISO 125:2020 en fr

Natural rubber latex concentrate — Determination of alkalinity

## TC 54 ESSENTIAL OILS

### ISO 3475:2020 en fr

Essential oil of aniseed (*Pimpinella anisum* L.)

### ISO 21631:2020 en fr

Essential oil of clementine (*Citrus clementina* hort. ex Tanaka syn. *Citrus reticulata* Blanco x *Citrus sinensis* (L.) Osbeck), Spanish type

## TC 58 GAS CYLINDERS

### ISO 23088:2020 en

Gas cylinders — Periodic inspection and testing of welded steel pressure drums — Capacities up to 1 000 l

## TC 59 BUILDINGS AND CIVIL ENGINEERING WORKS

### ISO 12006-2:2015 fr

Building construction — Organization of information about construction works — Part 2: Framework for classification

## TC 60 GEARS

### ISO 1328-2:2020 en

Cylindrical gears — ISO system of flank tolerance classification — Part 2: Definitions and allowable values of double flank radial composite deviations

## TC 61 PLASTICS

### ISO 75-1:2020 en fr

Plastics — Determination of temperature of deflection under load — Part 1: General test method

### ISO 22636:2020 en

Adhesives — Adhesives for floor coverings — Requirements for mechanical and electrical performance

### ISO 11567:2018 en

Carbon fibre — Determination of filament diameter and cross-sectional area

### ISO/TR 21960:2020 en

Plastics — Environmental aspects — State of knowledge and methodologies

**TC 67 MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM, PETROCHEMICAL AND NATURAL GAS INDUSTRIES****ISO 21809-11:2019 fr**

Petroleum and natural gas industries — External coatings for buried or submerged pipelines used in pipeline transportation systems — Part 11: Coatings for in-field application, coating repairs and rehabilitation

**TC 68 FINANCIAL SERVICES****ISO/TS 23029:2020 en**

Web-service-based application programming interface (WAPI) in financial services

**TC 69 APPLICATIONS OF STATISTICAL METHODS****ISO 7870-7:2020 en**

Control charts — Part 7: Multivariate control charts

**ISO 2859-2:2020 en**

Sampling procedures for inspection by attributes — Part 2: Sampling plans indexed by limiting quality (LQ) for isolated lot inspection

**TC 70 INTERNAL COMBUSTION ENGINES****ISO 3046-6:2020 en fr**

Reciprocating internal combustion engines — Performance — Part 6: Overspeed protection

**ISO 6798-1:2020 en fr**

Reciprocating internal combustion engines — Measurement of sound power level using sound pressure — Part 1: Engineering method

**ISO 6798-2:2020 en fr**

Reciprocating internal combustion engines — Measurement of sound power level using sound pressure — Part 2: Survey method

**TC 76 TRANSFUSION, INFUSION AND INJECTION, AND BLOOD PROCESSING EQUIPMENT FOR MEDICAL AND PHARMACEUTICAL USE****ISO 11040-4:2015/Amd 1:2020 en fr**

Prefilled syringes — Part 4: Glass barrels for injectables and sterilized subassembled syringes ready for filling — Amendment 1

**TC 83 SPORTS AND OTHER RECREATIONAL FACILITIES AND EQUIPMENT****ISO 21853:2020 en fr**

Kite boarding — Release system — Safety requirements and test methods

**TC 85 NUCLEAR ENERGY, NUCLEAR TECHNOLOGIES, AND RADIOLOGICAL PROTECTION****ISO/ASTM 51631:2020 en**

Practice for use of calorimetric dosimetry systems for dose measurements and dosimetry system calibration in electron beams

**ISO 18589-1:2019 fr**

Measurement of radioactivity in the environment — Soil — Part 1: General guidelines and definitions

**ISO 20031:2020 en fr**

Radiological protection — Monitoring and dosimetry for internal exposures due to wound contamination with radionuclides

**TC 86 REFRIGERATION AND AIR-CONDITIONING****ISO 916:2020 en**

Testing of refrigerating systems

**TC 91 SURFACE ACTIVE AGENTS****ISO 685:2020 en fr**

Analysis of soaps — Determination of total alkali content and total fatty matter content

**TC 92 FIRE SAFETY****ISO 11925-2:2020 en fr**

Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test

**ISO/TS 12828-3:2020 en**

Validation method for fire gas analysis — Part 3: Considerations related to interlaboratory trials

**TC 94 PERSONAL SAFETY -- PERSONAL PROTECTIVE EQUIPMENT****ISO 18526-2:2020 en fr**

Eye and face protection — Test methods — Part 2: Physical optical properties

**ISO 18526-4:2020 en fr**

Eye and face protection — Test methods — Part 4: Headforms

**ISO 21420:2020 en fr**

Protective gloves — General requirements and test methods

**TC 96 CRANES****ISO 9942-3:2020 en fr**

Cranes — Information labels — Part 3: Tower cranes

**TC 106 DENTISTRY****ISO 15098:2020 en fr**

Dentistry — Dental tweezers

**ISO 22570:2020 en fr**

Dentistry — Spoons and bone curettes

**TC 107 METALLIC AND OTHER INORGANIC COATINGS****ISO 6370-2:2020 en**

Vitreous and porcelain enamels — Determination of the resistance to abrasion — Part 2: Loss in mass after sub-surface abrasion

**ISO 8289-1:2020 en fr**

Vitreous and porcelain enamels — Low-voltage test for detecting and locating defects — Part 1: Swab test for non-profiled surfaces

**TC 110 INDUSTRIAL TRUCKS****ISO 3691-1:2011/Amd 1:2020 en fr**

Industrial trucks — Safety requirements and verification — Part 1: Self-propelled industrial trucks, other

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than driverless trucks, variable-reach trucks and burden-carrier trucks — Amendment 1

**ISO 3691-4:2020 en fr**

Industrial trucks — Safety requirements and verification — Part 4: Driverless industrial trucks and their systems

**ISO 3691-5:2014/Amd 1:2020 en fr**

Industrial trucks — Safety requirements and verification — Part 5: Pedestrian-propelled trucks — Amendment 1

**TC 112 VACUUM TECHNOLOGY****ISO 2861:2020 en**

Vacuum technology — Dimensions of clamped-type quick-release couplings

**ISO 3529-2:2020 en**

Vacuum technology — Vocabulary — Part 2: Vacuum pumps and related terms

**ISO 3669:2020 en**

Vacuum technology — Dimensions of knife-edge flanges

**TC 114 HOROLOGY****ISO 18684:2020 en fr**

Timekeeping instruments — Watch external parts made of hard material — General requirements and test methods

**ISO 764:2020 en fr**

Horology — Magnetic resistant watches

**TC 121 ANAESTHETIC AND RESPIRATORY EQUIPMENT****ISO 80601-2-12:2020 en fr**

Medical electrical equipment — Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators

**ISO/TS 81060-5:2020 en**

Non-invasive sphygmomanometers — Part 5: Requirements for the repeatability and reproducibility of NIBP simulators for testing of automated non-invasive sphygmomanometers

**TC 122 PACKAGING****ISO 16106:2020 en fr**

Transport packages for dangerous goods — Dangerous goods packagings, intermediate bulk containers (IBCs) and large packagings — Guidelines for the application of ISO 9001

**TC 123 PLAIN BEARINGS****ISO 6281:2020 en**

Plain bearings — Testing under conditions of hydrodynamic and mixed lubrication in test rigs

**ISO 12130-2:2020 en**

Plain bearings — Hydrodynamic plain tilting pad thrust bearings under steady-state conditions — Part 2: Functions for calculation of tilting pad thrust bearings

**ISO 12130-3:2020 en**

Plain bearings — Hydrodynamic plain tilting pad thrust bearings under steady-state conditions — Part 3: Guide values for the calculation of tilting pad thrust bearings

**TC 127 EARTH-MOVING MACHINERY****ISO 7096:2020 en fr**

Earth-moving machinery — Laboratory evaluation of operator seat vibration

**TC 131 FLUID POWER SYSTEMS****ISO/TR 22164:2020 en**

Hydraulic fluid power — Application notes for the optimization of the energy efficiency of hydraulic systems

**TC 138 PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS****ISO/TS 23818-1:2020 en**

Assessment of conformity of plastics piping systems for the rehabilitation of existing pipelines — Part 1: Polyethylene (PE) material

**TC 150 IMPLANTS FOR SURGERY****ISO 15674:2016/Amd 1:2020 en**

Cardiovascular implants and artificial organs — Hard-shell cardiotomy/venous reservoir systems (with/without filter) and soft venous reservoir bags — Amendment 1: Connectors

**ISO 15675:2016/Amd 1:2020 en**

Cardiovascular implants and artificial organs — Cardiopulmonary bypass systems — Arterial blood line filters — Amendment 1: Connectors

**ISO 14243-3:2014/Amd 1:2020 fr**

Implants for surgery — Wear of total knee-joint prostheses — Part 3: Loading and displacement parameters for wear-testing machines with displacement control and corresponding environmental conditions for test — Amendment 1

**TC 156 CORROSION OF METALS AND ALLOYS****ISO 8044:2020 en fr**

Corrosion of metals and alloys — Vocabulary

**ISO 22426:2020 en**

Assessment of the effectiveness of cathodic protection based on coupon measurements

**TC 157 NON-SYSTEMIC CONTRACEPTIVES AND STI BARRIER PROPHYLACTICS****ISO 19671:2018 en**

Additional lubricants for male natural rubber latex condoms — Effect on condom strength

**TC 158 ANALYSIS OF GASES****ISO 6141:2015/Amd 1:2020 en fr**

Gas analysis — Contents of certificates for calibration gas mixtures — Amendment 1: Cross reference list to ISO Guide 31:2015 and ISO/IEC 17025:2017



**TC 159 ERGONOMICS****ISO/TS 9241-126:2019 fr**

Ergonomics of human-system interaction — Part 126: Guidance on the presentation of auditory information

**ISO/TR 9241-312:2020 en**

Ergonomics of human-system interaction — Part 312: Readability of electrophoretic displays

**TC 160 GLASS IN BUILDING****ISO 16932:2020 en**

Glass in building — Destructive-windstorm-resistant security glazing — Test and classification

**ISO 16936-1:2020 en**

Glass in building — Forced-entry security glazing — Part 1: Test and classification by repetitive ball drop

**TC 163 THERMAL PERFORMANCE AND ENERGY USE IN THE BUILT ENVIRONMENT****ISO 10077-1:2017 en fr**

Thermal performance of windows, doors and shutters — Calculation of thermal transmittance — Part 1: General

**TC 172 OPTICS AND PHOTONICS****ISO 8596:2017/Amd 1:2019 fr**

Ophthalmic optics — Visual acuity testing — Standard and clinical optotypes and their presentation — Amendment 1

**ISO 24157:2008/Amd 1:2020 en**

Ophthalmic optics and instruments — Reporting aberrations of the human eye — Amendment 1

**TC 174 JEWELLERY AND PRECIOUS METALS****ISO 15093:2020 en fr**

Jewellery and precious metals — Determination of high purity gold, platinum and palladium — Difference method using ICP-OES

**ISO 15096:2020 en fr**

Jewellery and precious metals — Determination of high purity silver — Difference method using ICP-OES

**TC 182 GEOTECHNICS****ISO 22476-14:2020 en**

Geotechnical investigation and testing — Field testing — Part 14: Borehole dynamic probing

**TC 184 AUTOMATION SYSTEMS AND INTEGRATION****ISO 15746-3:2020 en**

Automation systems and integration — Integration of advanced process control and optimization capabilities for manufacturing systems — Part 3: Verification and validation

**TC 190 SOIL QUALITY****ISO 11074:2015/Amd 1:2020 en fr**

Soil quality — Vocabulary — Amendment 1

**ISO 16558-1:2015/Amd 1:2020 en**

Soil quality — Risk-based petroleum hydrocarbons — Part 1: Determination of aliphatic and aromatic fractions of volatile petroleum hydrocarbons using

gas chromatography (static headspace method) — Amendment 1

**TC 197 HYDROGEN TECHNOLOGIES****ISO 17268:2020 en fr**

Gaseous hydrogen land vehicle refuelling connection devices

**TC 204 INTELLIGENT TRANSPORT SYSTEMS****ISO/TS 15638-4:2020 en**

Intelligent transport systems — Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV) — Part 4: System security requirements

**ISO 15784-2:2015/Amd 1:2020 en**

Intelligent transport systems (ITS) — Data exchange involving roadside modules communication — Part 2: Centre to field device communications using SNMP — Amendment 1: Support for SHA2 encryption

**ISO 22078:2020 en**

Intelligent transport systems — Bicyclist detection and collision mitigation systems (BDCMS) — Performance requirements and test procedures

**TC 206 FINE CERAMICS****ISO 23242:2020 en**

Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for flexural strength of monolithic ceramic thin plates at room temperature by three-point or four-point bending

**TC 207 ENVIRONMENTAL MANAGEMENT****ISO 14008:2019 es**

Monetary valuation of environmental impacts and related environmental aspects

**TC 211 GEOGRAPHIC INFORMATION/GEOMATICS****ISO 19150-2:2015/Amd 1:2019 fr**

Geographic information — Ontology — Part 2: Rules for developing ontologies in the Web Ontology Language (OWL) — Amendment 1

**ISO 19160-3:2020 en fr**

Addressing — Part 3: Address data quality

**TC 212 CLINICAL LABORATORY TESTING AND IN VITRO DIAGNOSTIC TEST SYSTEMS****ISO 15190:2020 en**

Medical laboratories — Requirements for safety

**ISO 22367:2020 en fr**

Medical laboratories — Application of risk management to medical laboratories

**TC 213 DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION****ISO 21204:2020 en fr**

Geometrical product specifications (GPS) — Transition specification

**TC 219 FLOOR COVERINGS****ISO 4919:2012 fr**

Carpets — Determination of tuft withdrawal force

## TC 238 SOLID BIOFUELS

### ISO 20024:2020 en fr

Solid biofuels — Safe handling and storage of solid bio-fuel pellets in commercial and industrial applications

### ISO 21945:2020 en

Solid biofuels — Simplified sampling method for small scale applications

## TC 264 FIREWORKS

### ISO 22863-1:2020 en fr

Fireworks — Test methods for determination of specific chemical substances — Part 1: General

### ISO 22863-2:2020 en fr

Fireworks — Test methods for determination of specific chemical substances — Part 2: Hexachlorobenzene by gas chromatography

## TC 268 SUSTAINABLE CITIES AND COMMUNITIES

### ISO 37156:2020 en

Smart community infrastructures — Guidelines on data exchange and sharing for smart community infrastructures

### ISO 37161:2020 en

Smart community infrastructures — Guidance on smart transportation for energy saving in transportation services

### ISO 37162:2020 en

Smart community infrastructures — Smart transportation for newly developing areas

## TC 276 BIOTECHNOLOGY

### ISO 20688-1:2020 en

Biotechnology — Nucleic acid synthesis — Part 1: Requirements for the production and quality control of synthesized oligonucleotides

## TC 279 INNOVATION MANAGEMENT

### ISO 56000:2020 en

Innovation management — Fundamentals and vocabulary

## TC 292 SECURITY AND RESILIENCE

### ISO 22313:2020 en fr

Security and resilience — Business continuity management systems — Guidance on the use of ISO 22301

### ISO 22392:2020 en

Security and resilience — Community resilience — Guidelines for conducting peer reviews

### ISO 22396:2020 en fr

Security and resilience — Community resilience — Guidelines for information exchange between organizations

## TC 299 ROBOTICS

### ISO/TR 23482-1:2020 en

Robotics — Application of ISO 13482 — Part 1: Safety-related test methods

## JTC 1 INFORMATION TECHNOLOGY

### ISO/IEC 19516:2020 en

Information technology — Object management group — Interface definition language (IDL) 4.2

### ISO/IEC 23736-1:2020 en

Information technology — Digital publishing — EPUB 3.0.1 — Part 1: Overview

### ISO/IEC 23736-2:2020 en

Information technology — Digital publishing — EPUB 3.0.1 — Part 2: Publications

### ISO/IEC 23736-3:2020 en

Information technology — Digital publishing — EPUB 3.0.1 — Part 3: Content documents

### ISO/IEC 23736-4:2020 en

Information technology — Digital publishing — EPUB 3.0.1 — Part 4: Open container format

### ISO/IEC 23736-5:2020 en

Information technology — Digital publishing — EPUB 3.0.1 — Part 5: Media overlays

### ISO/IEC 23736-6:2020 en

Information technology — Digital publishing — EPUB 3.0.1 — Part 6: Canonical fragment identifiers

### ISO/IEC TR 11801-9906:2020 en

Information technology — Generic cabling for customer premises — Part 9906: Title missing

### ISO/IEC 14543-5-102:2020 en

Information technology — Home electronic system (HES) architecture — Part 5-102: Intelligent grouping and resource sharing — Remote universal management profile

### ISO/IEC 9797-3:2011/Amd 1:2020 en

Information technology — Security techniques — Message Authentication Codes (MACs) — Part 3: Mechanisms using a universal hash-function — Amendment 1

### ISO/IEC 21118:2020 en

Information technology — Office equipment — Information to be included in specification sheets for data projectors

### ISO/IEC 23009-5:2017/Amd 1:2020 en

Information technology — Dynamic adaptive streaming over HTTP (DASH) — Part 5: Server and network assisted DASH (SAND) — Amendment 1: Improvements on SAND messages

### ISO/IEC 21471:2020 en

Information technology — Automatic identification and data capture techniques — Extended rectangular data matrix (DMRE) bar code symbology specification

### ISO/IEC 17549-2:2020 en

Information technology — User interface guidelines on menu navigation — Part 2: Navigation with 4-direction devices

### ISO/IEC 2382-36:2019 ru

Information technology — Vocabulary — Part 36: Learning, education and training

**ISO/IEC 22624:2020 en**

Information technology — Cloud computing — Taxonomy based data handling for cloud services

**ISO/IEC TS 23167:2020 en**

Information technology — Cloud computing — Common technologies and techniques

**ISO/IEC TR 23188:2020 en**

Information technology — Cloud computing — Edge computing landscape

**ISO/IEC 38506:2020 en**

Information technology — Governance of IT — Application of ISO/IEC 38500 to the governance of IT enabled investments

**IEC****Committee Draft for Vote (CDV)**

Estos documentos están sometidos a la aprobación por parte de los comités nacionales hasta la fecha indicada

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**FEBRERO****CIS/B/737/CDV**

CISPR 11/AMD3/FRAG1 ED6: Amendment 3/Fragment 1: Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement - Requirements for air-gap wireless power transfer (WPT) **2020-05-15**

**8A/66/CDV**

IEC 62934 ED1: Grid integration of renewable energy generation - Terms, definitions and symbols **2020-05-15**

**17C/739/CDV**

IEC 62271-200 ED3: High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV **2020-05-01**

**21A/722/CDV**

IEC 62619 ED2: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications **2020-05-22**

**21A/724/CDV**

IEC 63218 ED1: Secondary cells and batteries containing alkaline and other non-acid electrolyte - Secondary Lithium ion, Nickel Cadmium, and Nickel Metal

Hydride cells and batteries for portable applications - Guidance on environmental aspects **2020-05-22**

**23E/1177/CDV**

IEC 62873-3-1/AMD1 ED1: Amendment 1 - Residual current operated circuit-breakers for household and similar use - Part 3-1: Particular requirements for RCDs with screwless-type terminals for external copper conductors **2020-05-22**

**23H/464/CDV**

IEC 62196-6 ED1: Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 6: Dimensional compatibility requirements for DC pin and contact-tube vehicle couplers for DC EV supply equipment where protection relies on electrical separation **2020-05-01**

**46/764/CDV**

IEC 62037-2 ED2: Passive RF and microwave devices, intermodulation level measurement - Part 2: Measurement of passive intermodulation in coaxial cable assemblies **2020-05-15**

**46/765/CDV**

IEC 62037-3 ED2: Passive RF and microwave devices, intermodulation level measurement - Part 3: Measurement of passive intermodulation in coaxial connectors **2020-05-22**

**46/766/CDV**

IEC 62037-5 ED2: Passive RF and microwave devices, intermodulation level measurement - Part 5: Measurement of passive intermodulation in filters **2020-05-22**

**46/767/CDV**

IEC 62037-6 ED2: Passive RF and microwave devices, intermodulation level measurement - Part 6: Measurement of passive intermodulation in antennas **2020-05-22**

**46/768/CDV**

IEC 62037-1 ED2: Passive RF and microwave devices, intermodulation level measurement - Part 1: General requirements and measuring methods **2020-05-22**

**48B/2786/CDV**

IEC 63171-2/ED1: Connectors for electrical and electronic equipment - Part 2: Detail specification for 2-way, shielded or unshielded, free and fixed connectors: mechanical mating information, pin assignment and additional requirements for type 2 **2020-05-22**

**51/1328/CDV**

IEC 63182-2 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Ring-cores **2020-05-22**

**59F/391/CDV**

IEC 62885-2 ED2: Surface cleaning appliances - Part 2: Dry vacuum cleaners for household or similar use - Methods for measuring the performance **2020-05-22**

**62D/1753/CDV**

ISO 80601-2-87 ED1: Medical electrical equipment - Part 2-87: Particular requirements for the basic safety and

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essential performance of high frequency critical care ventilators **2020-05-01**

## 62D/1754/CDV

ISO 81060-3 ED1: Non-invasive sphygmomanometers - Part 3: Clinical investigation of continuous non-invasive automated measurement type **2020-05-01**

## 69/701(F)/CDV

IEC 61851-24 ED2: Electric vehicle conductive charging system - Part 24: Digital communication between a DC EV charging station and an electric vehicle for control of DC charging **2020-05-01**

## 69/701/CDV

IEC 61851-24 ED2: Electric vehicle conductive charging system - Part 24: Digital communication between a DC EV charging station and an electric vehicle for control of DC charging **2020-05-01**

## 69/702/CDV

IEC 61851-23 ED2: Electric vehicle conductive charging system - Part 23: DC electric vehicle supply equipment **2020-05-01**

## 79/630/CDV

IEC 60839-11-33 ED1: Alarm and electronic security systems - Part 11-33: Electronic access control systems - Access control configuration based on web services **2020-05-01**

## 91/1636/CDV

IEC 61188-6-1 ED1: Circuit boards and circuit board assemblies – Design and use – Part 6-1: Land pattern design - Generic requirements for land pattern on circuit boards **2020-05-22**

## 91/1637/CDV

IEC 61188-6-2 ED1: Circuit boards and circuit board assemblies - Design and use - Part 6-2: Land pattern design - Description of land pattern for the most common surface mounted components (SMD) **2020-05-22**

## 119/298/CDV

IEC 62899-402-3 ED1: Printed Electronics – Part 402-3: Printability – Measurement of qualities – Voids in printed pattern using two-dimensional optical image **2020-05-15**

## 119/299/CDV

IEC 62899-503-3 ED1: Printed electronics- Part 503-3 : Quality assessment - Measuring method of contact resistance for the printed thin film transistor by transfer length method **2020-05-15**

## 121A/334(F)/CDV

IEC 60947-6-1 ED3: Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment **2020-05-01**

## 121A/334/CDV

IEC 60947-6-1 ED3: Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment **2020-05-01**

## 121A/338/CDV

IEC 60947-9-2 ED1: Low-voltage switchgear and controlgear - Active arc-fault mitigation systems - Part 9-2: Optical-based internal arc-detection and mitigation devices **2020-05-22**

## Final Draft International Standards (FDIS)

Estos documentos están sometidos a la aprobación por parte de los comités nacionales hasta la fecha indicada.  
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## FEBRERO

### JTC1-SC41/138/FDIS

ISO/IEC 21823-2 ED1: Internet of Things (IoT) - Interoperability for IoT systems - Part 2: Transport interoperability **2020-03-20**

### 9/2585/FDIS

IEC 62973-2 ED1: Railway applications - Rolling stock - Batteries for auxiliary power supply systems - Part 2: Nickel Cadmium (NiCd) batteries **2020-04-03**

### 14/1044/FDIS

IEC 60076-22-7 ED1: Power transformers - Part 22-7: Power transformer and reactor fittings - Accessories and fittings **2020-04-03**

### 20/1908/FDIS

IEC 62893-4-1 ED1: Charging cables for electric vehicles of rated voltages up to and including 0,6/1 kV - Part 4-1: Cables for DC charging according to mode 4 of IEC 61851-1 - DC charging without use of a thermal management system **2020-04-10**

### 20/1909/FDIS

IEC 60840 ED5: Power cables with extruded insulation and their accessories for rated voltages above 30 kV (Um = 36 kV) up to 150 kV (Um = 170 kV) - Test methods and requirements **2020-04-10**

### 21/1040(F)/FDIS

IEC 62984-3 ED1: High-temperature secondary batteries – Part 3: Sodium-based batteries - Performance requirements and tests **2020-03-20**

**21/1040/FDIS**

IEC 62984-3 ED1: High-temperature secondary batteries – Part 3: Sodium-based batteries - Performance requirements and tests **2020-03-20**

**23E/1180/FDIS**

IEC 62020-1 ED1: Electrical accessories - Residual current monitors for household and similar uses (RCMs) **2020-03-20**

**34B/2077/FDIS**

IEC 60061-1/AMD60 ED3: Amendment 60 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamps Caps **2020-03-20**

**37B/218/FDIS**

IEC 61643-341 ED2: Components for low-voltage surge protection -Part 341: Performance requirements and test circuits for thyristor surge suppressors (TSS) **2020-04-10**

**45B/958/FDIS**

IEC 62963 ED1: Radiation protection instrumentation – X-ray computed tomography (CT) inspection systems of bottled/canned liquids **2020-04-10**

**46A/1402/FDIS**

IEC 61196-6-2 ED2: Coaxial communication cables - Part 6-2: Detail specification for 75-4 type CATV drop cables **2020-04-03**

**46A/1403/FDIS**

IEC 61196-6-3 ED2: Coaxial communication cables - Part 6-3: Detail specification for 75-5 type CATV drop cables **2020-04-03**

**46A/1404/FDIS**

IEC 61196-6-4 ED2: Coaxial communication cables - Part 6-4: Detail specification for 75-7 type CATV drop cables **2020-04-03**

**46F/501/FDIS**

IEC 61169-63 ED1: Radio frequency connectors – Part 63: Sectional specification – RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with bayonet lock – Characteristic impedance 75 ohms (type BNC 75) **2020-04-03**

**47F/355/FDIS**

IEC 62047-37 ED1: Semiconductor devices - Micro-electromechanical devices - Part 37: Environmental test methods of MEMS piezoelectric thin films for sensor application **2020-04-03**

**49/1339/FDIS**

IEC 63155 ED1: Guidelines for the measurement method of power durability for surface acoustic wave (SAW) and bulk acoustic wave (BAW) devices in radio frequency (RF) applications **2020-04-10**

**55/1835A/FDIS**

IEC 60317-0-4 ED4: Specifications for particular types of winding wires - Part 0-4: General requirements - Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire **2020-04-03**

**59/722(F)/FDIS**

IEC 63086-1 ED1: Household and similar electrical air cleaning appliances - Methods for measuring the performance - Part 1: General requirements **2020-03-20**

**59/722/FDIS**

IEC 63086-1 ED1: Household and similar electrical air cleaning appliances - Methods for measuring the performance - Part 1: General requirements **2020-03-20**

**62A/1386/FDIS**

IEC 62366-1/AMD1 ED1: Amendment 1 - Medical devices - Part 1: Application of usability engineering to medical devices **2020-04-10**

**65E/697/FDIS**

IEC 62541-13 ED2: OPC Unified Architecture - Part 13: Aggregates **2020-04-03**

**72/1225(F)/FDIS**

IEC 60730-2-9/AMD2 ED4: Amendment 2 - Automatic electrical controls - Part 2-9: Particular requirements for temperature sensing control **2020-03-06**

**82/1691/FDIS**

IEC 62788-1-6/AMD1 ED1: Amendment 1 - Measurement procedures for materials used in photovoltaic modules - Part 1-6: Encapsulants - Test methods for determining the degree of cure in Ethylene-Vinyl Acetate **2020-03-27**

**82/1693/FDIS**

IEC 61701 ED3: Photovoltaic (PV) modules - Salt mist corrosion testing **2020-04-03**

**86B/4270/FDIS**

IEC 61753-061-2 ED2: Fibre optic interconnecting devices and passive components - Performance standard - Part 061-2: Single-mode fibre optic pigtailed style polarization independent isolators for category C – Controlled environments **2020-03-20**

**86B/4271(F)/FDIS**

IEC 61754-35 ED1: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 35: Type LSHE connector family for harsh environments **2020-03-20**

**86B/4271/FDIS**

IEC 61754-35 ED1: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 35: Type LSHE connector family for harsh environments **2020-03-20**

**86B/4276/FDIS**

IEC 61300-3-55 ED1: Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-55: Examinations and measurements – Polarisation extinction ratio and keying accuracy of polarisation maintaining, passive, optical components **2020-04-10**

**104/864/FDIS**

IEC 60721-3-0 ED2: Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Introduction **2020-04-10**

# Normalización Internacional

## 109/183/FDIS

IEC 60664-1 ED3: Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests **2020-04-10**

## 110/1187/FDIS

IEC 62906-5-6 ED1: Laser displays – Part 5-6: Measuring methods for optical performance of projection screens **2020-04-03**

## 111/573/FDIS

IEC 62321-3-2 ED2: Determination of certain substances in electrotechnical products - Part 3-2: Screening - Fluorine, bromine and chlorine in polymer and electronics by combustion-ion chromatography (C-IC) **2020-04-10**

## 120/173/FDIS

IEC 62933-5-2 ED1: Electrical energy storage (EES) systems Part 5-2: Safety requirements for grid integrated EES systems - electrochemical based systems **2020-03-20**

## 121A/340/FDIS

IEC 60947-3 ED4: Low-voltage switchgear and control-gear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units **2020-03-20**

## 121B/99/FDIS

IEC 61439-1 ED3: Low-voltage switchgear and control-gear assemblies - Part 1: General rules **2020-03-20**

## IEC 60079-6:2015/AMD1:2020 Edition 4.0

Amendment 1 - Explosive atmospheres - Part 6: Equipment protection by liquid immersion “o”

## IEC 60086:2020 SER Edition 1.0

Primary batteries - all parts

## IEC 60086-6:2020 Edition 1.0

Primary batteries - Part 6: Guidance on environmental aspects

## IEC 60092:2020 SER Edition 1.0

Electrical installations in ships - all parts

## IEC 60092-354:2020 Edition 4.0

Electrical installations in ships – Part 354: Single- and three-core power cables with extruded solid insulation for rated voltages 6 kV ( $U_m = 7,2$  kV) up to 30 kV ( $U_m = 36$  kV)

## IEC 60092-354:2020 RLV Edition 4.0

Electrical installations in ships – Part 354: Single- and three-core power cables with extruded solid insulation for rated voltages 6 kV ( $U_m = 7,2$  kV) up to 30 kV ( $U_m = 36$  kV)

## IEC 60191-2:1966/AMD21:2020 Edition 1.0

Amendment 21 - Mechanical standardization of semiconductor devices - Part 2: Dimensions

## IEC 60317-0-4:2020 PRV Edition 4.0

Specifications for particular types of winding wires - Part 0-4: General requirements - Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire

## IEC 60335-2-107:2017+AMD1:2020 CSV Edition 2.1

Household and similar electrical appliances - Safety - Part 2-107: Particular requirements for robotic battery powered electrical lawnmowers

## IEC 60335-2-107:2017/AMD1:2020 Edition 2.0

Amendment 1 - Household and similar electrical appliances - Safety - Part 2-107: Particular requirements for robotic battery powered electrical lawnmowers

## IEC 60400:2017+AMD1:2020 CSV Edition 8.1

Lampholders for tubular fluorescent lamps and starterholders

## IEC 60400:2017/AMD1:2020 Edition 8.0

Amendment 1 - Lampholders for tubular fluorescent lamps and starterholders

## IEC TR 60479-4:2020 Edition 3.0

Effects of current on human beings and livestock - Part 4: Effects of lightning strokes

## IEC 60633:2019/COR1:2020 Edition 3.0

Corrigendum 1 - High-voltage direct current (HVDC) transmission - Vocabulary

## IEC 60664-1:2020 PRV Edition 3.0

Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests

## Normas Publicadas

Normas publicadas entre el 3 y el 28 de febrero

### IEC 60050-485:2020 Edition 1.0

International Electrotechnical Vocabulary (IEV) - Part 485: Fuel cell technologies

### IEC 60076-22-7:2020 PRV Edition 1.0

Power transformers - Part 22-7: Power transformer and reactor fittings - Accessories and fittings

### IEC 60079:2020 SER Edition 1.0

Explosive atmospheres - all parts

### IEC 60079-6:2015+AMD1:2020 CSV Edition 4.1

Explosive atmospheres - Part 6: Equipment protection by liquid immersion “o”

**IEC 60721-3-0:2020 PRV Edition 2.0**

Classification of environmental conditions - Part 3-0: Classification of groups of environmental parameters and their severities - Introduction

**IEC 60747-18-2:2020 Edition 1.0**

Semiconductor devices - Part 18-2: Semiconductor bio sensors - Evaluation process of lens-free CMOS photonic array sensor package modules

**IEC 60838-1:2016+AMD1:2017+AMD2:2020 CSV Edition 5.2**

Miscellaneous lampholders - Part 1: General requirements and tests

**IEC 60838-1:2016/AMD2:2020 Edition 5.0**

Amendment 2 - Miscellaneous lampholders - Part 1: General requirements and tests

**IEC 60840:2020 PRV Edition 5.0**

Power cables with extruded insulation and their accessories for rated voltages above 30 kV ( $U_m = 36$  kV) up to 150 kV ( $U_m = 170$  kV) - Test methods and requirements

**IEC 60947-3:2020 PRV Edition 4.0**

Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units

**IEC 61010-2-032:2019/COR1:2020 Edition 4.0**

Corrigendum 1 - Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement

**IEC 61169-63:2020 PRV Edition 1.0**

Radio frequency connectors - Part 63: Sectional specification - RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with bayonet lock - Characteristic impedance 75 ohms (type BNC 75)

**IEC 61189-5-504:2020 PRV Edition 1.0**

Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-504: General test methods for materials and assemblies - Process ionic contamination testing (PICT)

**IEC 61196-6-2:2020 PRV Edition 2.0**

Coaxial communication cables - Part 6-2: Detail specification for 75-4 type CATV drop cables

**IEC 61196-6-3:2020 PRV Edition 2.0**

Coaxial communication cables - Part 6-3: Detail specification for 75-5 type CATV drop cables

**IEC 61196-6-4:2020 PRV Edition 2.0**

Coaxial communication cables - Part 6-4: Detail specification for 75-7 type CATV drop cables

**IEC 61223-3-6:2020 Edition 1.0**

Evaluation and routine testing in medical imaging departments - Part 3-6: Acceptance and constancy tests - Imaging performance of mammographic X-ray equipment used in a mammographic tomosynthesis mode of operation

**IEC 61300-3-55:2020 PRV Edition 1.0**

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-55: Examinations and measurements - Polarisation extinction ratio and keying accuracy of polarisation maintaining, passive, optical components

**IEC 61439-1:2020 PRV Edition 3.0**

Low-voltage switchgear and controlgear assemblies - Part 1: General rules

**IEC 61511:2020 SER Edition 1.0**

Functional safety - Safety instrumented systems for the process industry sector - all parts

**IEC TR 61511-4:2020 Edition 1.0**

Functional safety - Safety instrumented systems for the process industry sector - Part 4: Explanation and rationale for changes in IEC 61511-1 from Edition 1 to Edition 2

**IEC 61643-341:2020 PRV Edition 2.0**

Components for low-voltage surge protection - Part 341: Performance requirements and test circuits for thyristor surge suppressors (TSS)

**IEC 61701:2020 PRV Edition 3.0**

Photovoltaic (PV) modules - Salt mist corrosion testing

**IEC 61753-061-2:2020 PRV Edition 2.0**

Fibre optic interconnecting devices and passive components - Performance standard - Part 061-2: Single-mode fibre optic pigtailed style polarization independent isolators for category C - Controlled environments

**IEC 61754-35:2020 PRV Edition 1.0**

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 35: Type LSHE connector family for harsh environments

**IEC 61850:2020 SER Edition 1.0**

Communication networks and systems for power utility automation - ALL PARTS

**IEC 61850-7-2:2010+AMD1:2020 CSV Edition 2.1**

Communication networks and systems for power utility automation - Part 7-2: Basic information and communication structure - Abstract communication service interface (ACSI)

**IEC 61850-7-2:2010/AMD1:2020 Edition 2.0**

Amendment 1 - Communication networks and systems for power utility automation - Part 7-2: Basic information and communication structure - Abstract communication service interface (ACSI)

**IEC 61850-7-3:2010+AMD1:2020 CSV Edition 2.1**

Communication networks and systems for power utility automation - Part 7-3: Basic communication structure - Common data classes

**IEC 61850-7-3:2010/AMD1:2020 Edition 2.0**

Amendment 1 - Communication networks and systems for power utility automation - Part 7-3: Basic communication structure - Common data classes

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**IEC 61850-7-4:2010+AMD1:2020 CSV Edition 2.1**

Communication networks and systems for power utility automation - Part 7-4: Basic communication structure - Compatible logical node classes and data object classes

**IEC 61850-7-4:2010/AMD1:2020 Edition 2.0**

Amendment 1 - Communication networks and systems for power utility automation - Part 7-4: Basic communication structure - Compatible logical node classes and data object classes

**IEC 61850-8-1:2011+AMD1:2020 CSV Edition 2.1**

Communication networks and systems for power utility automation - Part 8-1: Specific communication service mapping (SCSM) - Mappings to MMS (ISO 9506-1 and ISO 9506-2) and to ISO/IEC 8802-3

**IEC 61850-8-1:2011/AMD1:2020 Edition 2.0**

Amendment 1 - Communication networks and systems for power utility automation - Part 8-1: Specific communication service mapping (SCSM) - Mappings to MMS (ISO 9506-1 and ISO 9506-2) and to ISO/IEC 8802-3

**IEC 61850-9-2:2011+AMD1:2020 CSV Edition 2.1**

Communication networks and systems for power utility automation - Part 9-2: Specific communication service mapping (SCSM) - Sampled values over ISO/IEC 8802-3

**IEC 61850-9-2:2011/AMD1:2020 Edition 2.0**

Amendment 1 - Communication networks and systems for power utility automation - Part 9-2: Specific communication service mapping (SCSM) - Sampled values over ISO/IEC 8802-3

**IEC 61854:2020 RLV Edition 2.0**

Overhead lines - Requirements and tests for spacers

**IEC 61854:2020 Edition 2.0**

Overhead lines - Requirements and tests for spacers

**IEC 62020-1:2020 PRV Edition 1.0**

Electrical accessories - Residual current monitors (RCMs) - Part 1: RCMs for household and similar uses

**IEC 62047-37:2020 PRV Edition 1.0**

Semiconductor devices - Micro-electromechanical devices - Part 37: Environmental test methods of MEMS piezoelectric thin films for sensor application

**IEC 62148-6:2020 Edition 2.0**

Fibre optic active components and devices - Package and interface standards - Part 6: ATM-PON transceivers

**IEC 62148-6:2020 RLV Edition 2.0**

Fibre optic active components and devices - Package and interface standards - Part 6: ATM-PON transceivers

**IEC 62282-8-101:2020 Edition 1.0**

Fuel cell technologies - Part 8-101: Energy storage systems using fuel cell modules in reverse mode - Test procedures for the performance of solid oxide single cells and stacks, including reversible operation

**IEC 62321-3-2:2020 PRV Edition 2.0**

Determination of certain substances in electrotechnical products - Part 3-2: Screening - Fluorine, chlorine and bromine in polymers and electronics by combustion-ion chromatography (C-IC)

**IEC 62351:2020 SER Edition 1.0**

Power systems management and associated information exchange - Data and communications security - ALL PARTS

**IEC 62351-3:2014+AMD1:2018+AMD2:2020 CSV Edition 1.2**

Power systems management and associated information exchange - Data and communications security - Part 3: Communication network and system security - Profiles including TCP/IP

**IEC 62351-3:2014/AMD2:2020 Edition 1.0**

Amendment 2 - Power systems management and associated information exchange - Data and communications security - Part 3: Communication network and system security - Profiles including TCP/IP

**IEC 62366-1/AMD1:2020 PRV Edition 1.0**

Amendment 1 - Medical devices - Part 1: Application of usability engineering to medical devices

**IEC 62435-3:2020 Edition 1.0**

Electronic components - Long-term storage of electronic semiconductor devices - Part 3: Data

**IEC 62541-13:2020 PRV Edition 2.0**

OPC Unified Architecture - Part 13: Aggregates

**IEC TR 62544:2011+AMD1:2016+AMD2:2020 CSV Edition 1.2**

High-voltage direct current (HVDC) systems - Application of active filters

**IEC TR 62544:2011/AMD2:2020 Edition 1.0**

Amendment 2 - High-voltage direct current (HVDC) systems - Application of active filters

**IEC TS 62607-4-8:2020 Edition 1.0**

Nanomanufacturing - Key control characteristics - Part 4-8: Nano-enabled electrical energy storage - Determination of water content in electrode nanomaterials, Karl Fischer method

**IEC TS 62749:2020 Edition 2.0**

Assessment of power quality - Characteristics of electricity supplied by public networks

**IEC TS 62749:2020 RLV Edition 2.0**

Assessment of power quality - Characteristics of electricity supplied by public networks

**IEC 62779-4:2020 Edition 1.0**

Semiconductor devices - Semiconductor interface for human body communication - Part 4: Capsule endoscope

**IEC 62788-1-6/AMD1:2020 PRV Edition 1.0**

Amendment 1 - Measurement procedures for materials used in photovoltaic modules - Part 1-6: Encapsulants



- Test methods for determining the degree of cure in Ethylene-Vinyl Acetate

**IEC 62841-3-9:2020 Edition 2.0**

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-9: Particular requirements for transportable mitre saws

**IEC 62841-3-9:2020 RLV Edition 2.0**

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-9: Particular requirements for transportable mitre saws

**IEC TS 62862-3-3:2020 Edition 1.0**

Solar thermal electric plants - Part 3-3: Systems and components - General requirements and test methods for solar receivers

**IEC 62893-4-1:2020 PRV Edition 1.0**

Charging cables for electric vehicles of rated voltages up to and including 0,6/1 kV - Part 4-1: Cables for DC charging according to mode 4 of IEC 61851-1 - DC charging without use of a thermal management system

**IEC 62906-5-6:2020 PRV Edition 1.0**

Laser displays - Part 5-6: Measuring methods for optical performance of projection screens

**IEC 62932-1:2020 Edition 1.0**

Flow battery energy systems for stationary applications - Part 1: Terminology and general aspects

**IEC 62932-2-1:2020 Edition 1.0**

Flow battery energy systems for stationary applications - Part 2-1: Performance general requirements and test methods

**IEC 62932-2-2:2020 Edition 1.0**

Flow battery energy systems for stationary applications - Part 2-2 Safety requirements

**IEC 62933-5-2:2020 PRV Edition 1.0**

Electrical energy storage (EES) systems - Part 5-2: Safety requirements for grid integrated EES systems - Electrochemical based systems

**IEC 62963:2020 PRV Edition 1.0**

Radiation protection instrumentation – X-ray computed tomography (CT) inspection systems of bottled/canned liquids

**IEC 62973-2:2020 PRV Edition 1.0**

Railway applications - Rolling stock - Batteries for auxiliary power supply systems - Part 2: Nickel Cadmium (NiCd) batteries

**IEC 62984-3:2020 PRV Edition 1.0**

High-temperature secondary batteries - Part 3: Sodium-based batteries - Performance requirements and tests

**IEC TR 63082-1:2020 Edition 1.0**

Intelligent device management - Part 1: Concepts and terminology

**IEC 63086-1:2020 PRV Edition 1.0**

Household and similar electrical air cleaning appliances - Methods for measuring the performance - Part 1: General requirements

**IEC 63155:2020 PRV Edition 1.0**

Guidelines for the measurement method of power durability for surface acoustic wave (SAW) and bulk acoustic wave (BAW) devices in radio frequency (RF) applications

**IEC TS 63164-1:2020 Edition 1.0**

Reliability of industrial automation devices and systems - Part 1: Assurance of automation devices reliability data and specification of their source

**IEC TR 63211-2-12:2020 Edition 1.0**

Durability test methods for electronic displays - Part 2-12: Environmental tests - Environmental conditions of use, storage and transportation of electronic displays

**IEC SRD 63234-1:2020 Edition 1.0**

Economic evaluation of active assisted living services - Part 1: Framework

**IEC SRD 63234-2:2020 Edition 1.0**

Economic evaluation of active assisted living services - Part 2: Example of use - Monitoring patients with chronic diseases

**IEC TR 63239:2020 Edition 1.0**

Radio frequency beam wireless power transfer (WPT) for mobile devices

**IEC PAS 63267-3-31:2020 Edition 1.0**

Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces - Part 3-31: End face geometry - Flat PC PPS rectangular ferrule multimode fibres

**IECEE TRF 60335-2-55F:2020 Edition 6.0**

This Test Report Form applies to: IEC 60335-2-55:2002, AMD1:2008 in conjunction with IEC 60335-1:2010, AMD1:2013, AMD2:2016

**IECEE TRF 60335-2-97F:2020 Edition 6.0**

This Test Report Form applies to: IEC 60335-2-97:2016, AMD1:2019 in conjunction with IEC 60335-1:2010, COR1:2010, COR2:2010, AMD1:2013, COR1:2014, AMD2:2016, COR1:2016

**IECEE TRF 60335-2-3,85D:2020 Edition 4.0**

This Test Report Form applies to: IEC 60335-2-3:2012, AMD1:2015 and IEC 60335-2-85:2002, AMD1:2008, AMD2:2017 in conjunction with IEC 60335-1:2010, AMD1:2013, AMD2:2016

**IECEE TRF 60335-2-7,11I:2020 Edition 7.0**

This Test Report Form applies to: IEC 60335-2-7:2019, IEC 60335-2-11:2019 in conjunction with IEC 60335-1:2010, AMD1:2013, AMD2:2016

**IECEE TRF 60335-2-9,78B:2020 Edition 2.0**

This Test Report Form applies to: IEC 60335-2-9:2008, AMD1:2012, AMD2:2016 IEC 60335-2-78:2002,

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AMD1:2008, AMD2:2019 in conjunction with IEC 60335-1:2010, COR1:2010, COR2:2011, AMD1:2013, COR1:2014, AMD2:2016, COR1:2016

## **IECEE TRF 60598-2-4H:2020 Edition 8.0**

This Test Report Form applies to: IEC 60598-2-4:2017 used in conjunction with IEC 60598-1:2014, AMD1:2017

## **IECEE TRF 61558-2-16G:2020 Edition 7.0**

This Test Report Form applies to: IEC 61558-2-16:2009, AMD1:2013 used in conjunction with IEC 61558-1:2017

## **IECEE TRF 61770D:2020 Edition 4.0**

This Test Report Form applies to: IEC 61770:2008, AMD1:2015

## **IECEE TRF 80601-2-26A:2020 Edition 1.0**

This Test Report Form applies to: IEC 80601-2-26:2019 for use in conjunction with IEC 60601-1:2005, AMD1:2012

## **ISO/IEC 9797-3:2011/AMD1:2020**

Edition 1.0

Amendment 1 - Information technology - Security techniques - Message Authentication Codes (MACs) - Part 3: Mechanisms using a universal hash-function

## **ISO/IEC TR 11801-9906:2020 Edition 1.0**

Information technology - Generic cabling for customer premises - Part 9906: Balanced 1-pair cabling channels up to 600 MHz for single pair Ethernet (SPE)

## **ISO/IEC 14543-5-102:2020 Edition 1.0**

Information technology - Home electronic system (HES) architecture - Part 5-102: Intelligent grouping and resource sharing for HES Class 2 and Class 3 - Remote universal management profile

## **ISO/IEC 17549-2:2020 Edition 2.0**

Information technology - User interface guidelines on menu navigation - Part 2: Navigation with 4-direction devices

## **ISO/IEC 19516:2020 Edition 1.0**

Information technology - Object management group - Interface definition language (IDL) 4.2

## **ISO/IEC 21118:2020 Edition 3.0**

Information technology - Office equipment - Information to be included in specification sheets for data projectors

## **ISO/IEC 21471:2020 Edition 1.0**

Information technology - Automatic identification and data capture techniques - Extended rectangular data matrix (DMRE) bar code symbology specification

## **ISO/IEC 21823-2:2020 PRV Edition 1.0**

Internet of Things (IoT) - Interoperability for IoT systems - Part 2: Transport interoperability

## **ISO/IEC 22624:2020 Edition 1.0**

Information technology - Cloud computing - Taxonomy based data handling for cloud services

## **ISO/IEC 23009-5:2017/AMD1:2020 Edition 1.0**

Amendment 1 - Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 5: Server and network assisted DASH (SAND) - Improvements on SAND messages

## **ISO/IEC TS 23167:2020 Edition 1.0**

Information technology - Cloud computing - Common technologies and techniques

## **ISO/IEC TR 23188:2020 Edition 1.0**

Information technology - Cloud computing - Edge computing landscape

## **ISO/IEC 23736-1:2020 Edition 1.0**

Information technology - Digital publishing - EPUB 3.0.1 - Part 1: Overview

## **ISO/IEC 23736-2:2020 Edition 1.0**

Information technology - Digital publishing - EPUB 3.0.1 - Part 2: Publications

## **ISO/IEC 23736-3:2020 Edition 1.0**

Information technology - Digital publishing - EPUB 3.0.1 - Part 3: Content documents

## **ISO/IEC 23736-4:2020 Edition 1.0**

Information technology - Digital publishing - EPUB 3.0.1 - Part 4: Open container format

## **ISO/IEC 23736-5:2020 Edition 1.0**

Information technology - Digital publishing - EPUB 3.0.1 - Part 5: Media overlays

## **ISO/IEC 23736-6:2020 Edition 1.0**

Information technology - Digital publishing - EPUB 3.0.1 - Part 6: Canonical fragment identifiers

## **ISO/IEC 38506:2020 Edition 1.0**

Information technology - Governance of IT - Application of ISO/IEC 38500 to the governance of IT enabled investments

## **ISO TS 81060-5:2020 Edition 1.0**

Non-invasive sphygmomanometers - Part 5: Requirements for the repeatability and reproducibility of NIBP simulators for testing of automated non-invasive sphygmomanometers

## CEN/CENELEC

### Enquiry (Encuesta, prEN)

Estos documentos están sometidos a votación hasta la fecha indicada

## FEBRERO

### prEN ISO 19901-2

Petroleum and natural gas industries - Specific requirements for offshore structures - Part 2: Seismic design procedures and criteria (ISO/DIS 19901-2:2020)

**Fecha Límite:** 2020-04-30

## CEN/TC 23 TRANSPORTABLE GAS CYLINDERS

### EN ISO 13088:2011/prA1

Gas cylinders - Acetylene cylinder bundles - Filling conditions and filling inspection - Amendment 1 (ISO 13088:2011/DAM 1:2020)

**Fecha Límite:** 2020-05-12

### prEN ISO 407

Small medical gas cylinders - Pin-index yoke-type valve connections (ISO/DIS 407:2020)

**Fecha Límite:** 2020-04-30

## CEN/TC 121 WELDING AND ALLIED PROCESSES

### prEN ISO 18595

Resistance welding - Spot welding of aluminium and aluminium alloys - Weldability, welding and testing (ISO/DIS 18595:2020)

**Fecha Límite:** 2020-04-27

## CEN/TC 129 GLASS IN BUILDING

### prEN ISO 12543-2

Glass in building - Laminated glass and laminated safety glass - Part 2: Laminated safety glass (ISO/DIS 12543-2:2020)

**Fecha Límite:** 2020-04-30

## CEN/TC 139 PAINTS AND VARNISHES

### prEN ISO 3219-1

Rheology - Part 1: General terms and definitions for rotational and oscillatory rheometry (ISO/DIS 3219-1:2020)

**Fecha Límite:** 2020-05-07

### prEN ISO/CIE 11664-2

Colorimetry - Part 2: CIE standard illuminants (ISO/CIE DIS 11664-2:2020)

**Fecha Límite:** 2020-05-07

## CEN/TC 144 TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY

### prEN ISO 11680-1

Machinery for forestry - Safety requirements and testing for pole-mounted powered pruners - Part 1: Machines fitted with an integral combustion engine (ISO/DIS 11680-1:2020)

**Fecha Límite:** 2020-05-12

### prEN ISO 11680-2

Machinery for forestry - Safety requirements and testing for pole-mounted powered pruners - Part 2: Machines for use with back-pack power source (ISO/DIS 11680-2:2020)

**Fecha Límite:** 2020-05-12

### prEN ISO 19472-2

Machinery for forestry - Winches - Dimensions, performance and safety - Part 2: Traction aid winches (ISO/DIS 19472-2:2020)

**Fecha Límite:** 2020-04-27

## CEN/TC 155 PLASTICS PIPING SYSTEMS AND DUCTING SYSTEMS

### EN ISO 15875-2:2003/prA2

Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 2: Pipes - Amendment 2 (ISO 15875-2:2003/DAM 2:2020)

**Fecha Límite:** 2020-05-13

### EN ISO 15875-3:2003/prA1

Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 3: Fittings - Amendment 1 (ISO 15875-3:2003/DAM 1:2020)

**Fecha Límite:** 2020-05-13

### EN ISO 15875-5:2003/prA1

Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 5: Fitness for purpose of the system - Amendment 1 (ISO 15875-5:2003/DAM 1:2020)

**Fecha Límite:** 2020-05-13

### EN ISO 15876-2:2017/prA1

Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 2: Pipes - Amendment 1 (ISO 15876-2:2017/DAM 1:2020)

**Fecha Límite:** 2020-05-13

### EN ISO 15876-3:2017/prA1

Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 3: Fittings - Amendment 1 (ISO 15876-3:2017/DAM 1:2020)

**Fecha Límite:** 2020-05-13

### EN ISO 15876-5:2017/prA1

Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 5: Fitness for purpose of the system - Amendment 1 (ISO 15876-5:2017/DAM 1:2020)

**Fecha Límite:** 2020-05-13

### EN ISO 15877-2:2009/prA2

Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 2: Pipes - Amendment 2 (ISO 15877-2:2009/DAM 2:2020)

**Fecha Límite:** 2020-05-13

# Normalización Europea

## EN ISO 15877-5:2009/prA2

Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 5: Fitness for purpose of the system - Amendment 2 (ISO 15877-5:2009/DAM 2:2020)

**Fecha Límite:** 2020-05-13

## EN ISO 22391-2:2009/prA1

Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 2: Pipes - Amendment 1 (ISO 22391-2:2009/DAM 1:2020)

**Fecha Límite:** 2020-05-13

## EN ISO 22391-3:2009/prA1

Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 3: Fittings - Amendment 1 (ISO 22391-3:2009/DAM 1:2020)

**Fecha Límite:** 2020-05-13

## EN ISO 22391-5:2009/prA1

Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 5: Fitness for purpose of the system - Amendment 1 (ISO 22391-5:2009/DAM 1:2020)

**Fecha Límite:** 2020-05-13

## CEN/TC 172 PULP, PAPER AND BOARD

### prEN ISO 12625-17

Tissue paper and tissue products - Part 17: Determination of disintegration in water (ISO/DIS 12625-17:2020)

**Fecha Límite:** 2020-05-13

## CEN/TC 185 FASTENERS

### EN ISO 898-3:2018/prA1

Mechanical properties of fasteners made of carbon steel and alloy steel - Part 3: Flat washers with specified property classes - Amendment 1 (ISO 898-3:2018/DAM 1:2020)

**Fecha Límite:** 2020-05-04

### EN ISO 1891-2:2014/prA1

Fasteners - Terminology - Part 2: Vocabulary and definitions for coatings - Amendment 1 (ISO 1891-2:2014/DAM 1:2020)

**Fecha Límite:** 2020-05-15

## CEN/TC 192 FIRE AND RESCUE SERVICE EQUIPMENT

### prEN ISO 14557

Fire-fighting hoses - Rubber and plastics suction hoses and hose assemblies (ISO/DIS 14557:2020)

**Fecha Límite:** 2020-05-01

## CEN/TC 198 PRINTING AND PAPER MACHINERY - SAFETY

### prEN ISO 12643-3

Graphic technology - Safety requirements for graphic technology equipment and systems - Part 3: Binding and finishing equipment and systems (ISO/DIS 12643-3:2020)

**Fecha Límite:** 2020-05-05

### prEN ISO 12643-4

Graphic technology - Safety requirements for graphic technology equipment and systems - Part 4: Converting equipment and systems (ISO/DIS 12643-4:2020)

**Fecha Límite:** 2020-05-05

## CEN/TC 205 NON-ACTIVE MEDICAL DEVICES

### prEN ISO 8536-12

Infusion equipment for medical use - Part 12: Check valves for single use (ISO/DIS 8536-12:2020)

**Fecha Límite:** 2020-04-30

### prEN ISO 11608-1

Needle-based injection systems for medical use - Requirements and test methods - Part 1: Needle-based injection systems (ISO/DIS 11608-1:2020)

**Fecha Límite:** 2020-05-12

### prEN ISO 11608-2

Needle-based injection systems for medical use - Requirements and test methods - Part 2: Needles (ISO/DIS 11608-2:2020)

**Fecha Límite:** 2020-05-12

### prEN ISO 11608-3

Needle-based injection systems for medical use - Requirements and test methods - Part 3: NIS containers and integrated fluid paths (ISO/DIS 11608-3:2020)

**Fecha Límite:** 2020-05-12

### prEN ISO 11608-4

Needle-based injection systems for medical use - Requirements and test methods - Part 4: Needle-based injection systems containing electronics (ISO/DIS 11608-4:2020)

**Fecha Límite:** 2020-05-12

### prEN ISO 11608-5

Needle-based injection systems for medical use - Requirements and test methods - Part 5: Automated functions (ISO/DIS 11608-5:2020)

**Fecha Límite:** 2020-05-12

## CEN/TC 206 BIOLOGICAL AND CLINICAL EVALUATION OF MEDICAL DEVICES

### prEN ISO 10993-2

Biological evaluation of medical devices - Part 2: Animal welfare requirements (ISO/DIS 10993-2:2020)

**Fecha Límite:** 2020-05-07

### prEN ISO 10993-10

Biological evaluation of medical devices - Part 10: Tests for skin sensitization (ISO/DIS 10993-10:2020)

**Fecha Límite:** 2020-05-08

## CEN/TC 211 ACOUSTICS

### EN ISO 389-3:2016/prA1

Acoustics - Reference zero for the calibration of audiometric equipment - Part 3: Reference equivalent threshold vibratory force levels for pure tones and bone vibrators - Amendment 1 (ISO 389-3:2016/DAM 1:2020)

**Fecha Límite:** 2020-05-04

## CEN/TC 218 RUBBER AND PLASTICS HOSES AND HOSE ASSEMBLIES

### prEN ISO 8031

Rubber and plastics hoses and hose assemblies - Determination of electrical resistance and conductivity (ISO/FDIS 8031:2020)

**Fecha Límite:** 2020-05-11

**CEN/TC 230 WATER ANALYSIS****prEN ISO 10703**

Water quality - Gamma-ray emitting radionuclides - Text method using gamma-ray spectrometry (ISO/DIS 10703:2020)

**Fecha Límite:** 2020-05-18

**prEN ISO 13160**

Water quality - Strontium 90 and strontium 89 - Test methods using liquid scintillation counting or proportional counting (ISO/DIS 13160:2020)

**Fecha Límite:** 2020-05-18

**CEN/TC 249 PLASTICS****prEN ISO 1628-2**

Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscometers - Part 2: Poly(vinyl chloride) resins (ISO/DIS 1628-2:2020)

**Fecha Límite:** 2020-05-08

**prEN ISO 6721-3**

Plastics - Determination of dynamic mechanical properties - Part 3: Flexural vibration - Resonance-curve method (ISO/DIS 6721-3:2020)

**Fecha Límite:** 2020-05-18

**CEN/TC 278 INTELLIGENT TRANSPORT SYSTEMS****prEN ISO 24014-1**

Public transport - Interoperable fare management system - Part 1: Architecture (ISO/DIS 24014-1:2020)

**Fecha Límite:** 2020-05-15

**CEN/TC 290 DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATION AND VERIFICATION****prEN ISO 12179**

Geometrical product specifications (GPS) - Surface texture: Profile method - Calibration of contact (stylus) instruments (ISO/DIS 12179:2020)

**Fecha Límite:** 2020-04-27

**prEN ISO 21920-1**

Geometrical product specifications (GPS) - Surface texture: Profile - Part 1: Indication of surface texture (ISO/DIS 21920-1:2020)

**Fecha Límite:** 2020-05-13

**prEN ISO 21920-2**

Geometrical product specifications (GPS) - Surface texture: Profile - Part 2: Terms, definitions and surface texture parameters (ISO/DIS 21920-2:2020)

**Fecha Límite:** 2020-05-13

**prEN ISO 21920-3**

Geometrical product specifications (GPS) - Surface texture: Profile - Part 3: Specification operators (ISO/DIS 21920-3:2020)

**Fecha Límite:** 2020-05-13

**CEN/TC 309 FOOTWEAR****prEN ISO 16186**

Footwear - Critical substances potentially present in footwear and footwear components - Determination of dimethyl fumarate (DMFU) in footwear materials (ISO/DIS 16186:2020)

**Fecha Límite:** 2020-05-13

**CEN/TC 310 ADVANCED AUTOMATION TECHNOLOGIES AND THEIR APPLICATIONS****prEN ISO 10218-1**

Robotics - Safety requirements for robot systems in an industrial environment - Part 1: Robots (ISO/DIS 10218-1:2020)

**Fecha Límite:** 2020-05-07

**CEN/TC 335 SOLID BIOFUELS****prEN ISO 17225-1**

Solid biofuels - Fuel specifications and classes - Part 1: General requirements (ISO/DIS 17225-1:2020)

**Fecha Límite:** 2020-05-13

**prEN ISO 17225-2**

Solid biofuels - Fuel specifications and classes - Part 2: Graded wood pellets (ISO/DIS 17225-2:2020)

**Fecha Límite:** 2020-05-07

**prEN ISO 17225-3**

Solid biofuels - Fuel specifications and classes - Part 3: Graded wood briquettes (ISO/DIS 17225-3:2020)

**Fecha Límite:** 2020-05-07

**prEN ISO 17225-4**

Solid biofuels - Fuel specifications and classes - Part 4: Graded wood chips (ISO/DIS 17225-4:2020)

**Fecha Límite:** 2020-04-28

**CEN/TC 343 SOLID RECOVERED FUELS****prEN ISO 21645**

Solid recovered fuels - Methods for sampling (ISO/DIS 21645:2020)

**Fecha Límite:** 2020-05-19

**prEN ISO 21912**

Solid recovered fuels - Safe handling and storage of solid recovered fuels (ISO/DIS 21912:2020)

**Fecha Límite:** 2020-05-06

**CEN/TC 444 ENVIRONMENTAL CHARACTERIZATION OF SOLID MATRICES****EN ISO 23753-1:2019/prA1**

Soil quality - Determination of dehydrogenases activity in soils - Part 1: Method using triphenyltetrazolium chloride (TTC) - Amendment 1 (ISO 23753-1:2019/DAM 1:2020)

**Fecha Límite:** 2020-05-18

**EN ISO 23753-2:2019/prA1**

Soil quality - Determination of dehydrogenases activity in soils - Part 2: Method using iodotetrazolium chloride (INT) - Amendment 1 (ISO 23753-2:2019/DAM 1:2020)

**Fecha Límite:** 2020-05-18

**prEN ISO 11916-3**

Soil quality - Determination of selected explosives and related compounds - Part 3: Method using liquid chromatography-tandem mass spectrometry (LC-MS/MS) (ISO/DIS 11916-3:2020)

**Fecha Límite:** 2020-05-12

**CEN/SS T01 SHIPBUILDING AND MARITIME STRUCTURES****prEN ISO 8469**

Small craft - Non-fire-resistant fuel hoses (ISO/DIS 8469:2020)

**Fecha Límite:** 2020-05-13

## CEN/CLC/JTC 3 QUALITY MANAGEMENT AND CORRESPONDING GENERAL ASPECTS FOR MEDICAL DEVICES

### prEN ISO 15223-1

Medical devices - Symbols to be used with medical device labels, labelling and information to be supplied - Part 1: General requirements (ISO/DIS 15223-1:2020)

**Fecha Límite:** 2020-05-14

## CLC/TC 2 ROTATING MACHINERY

### prEN IEC 60034-11:2020

Rotating electrical machines - Part 11: Thermal protection

**Fecha Límite:** 2020-04-24

## CLC/TC 8X SYSTEM ASPECTS OF ELECTRICAL ENERGY SUPPLY

### prEN IEC 62934:2020

Grid integration of renewable energy generation - Terms, definitions and symbols

**Fecha Límite:** 2020-05-15

## CLC/TC 17AC HIGH-VOLTAGE SWITCHGEAR AND CONTROLGEAR

### prEN IEC 62271-200:2020

High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV

**Fecha Límite:** 2020-05-01

## CLC/TC 22X POWER ELECTRONICS

### prEN IEC 62040-3:2020

Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements

**Fecha Límite:** 2020-04-24

## CLC/TC 23H PLUGS, SOCKET-OUTLETS AND COUPLERS FOR INDUSTRIAL AND SIMILAR APPLICATIONS, AND FOR ELECTRIC VEHICLES

### prEN IEC 62196-6:2020

Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 6: Dimensional compatibility requirements for DC pin and contact-tube vehicle couplers for DC EV supply equipment where protection relies on electrical separation

**Fecha Límite:** 2020-05-01

## CLC/TC 46X COMMUNICATION CABLES

### prEN IEC 62037-2:2020

Passive RF and microwave devices, intermodulation level measurement - Part 2: Measurement of passive intermodulation in coaxial cable assemblies

**Fecha Límite:** 2020-05-15

## CLC/TC 57 POWER SYSTEM MANAGEMENT AND ASSOCIATED INFORMATION EXCHANGE

### prEN IEC 62325-451-10:2020

Framework for energy market communications - Part 451-10: Profiles for energy market consumption data ("My Energy Data")

**Fecha Límite:** 2020-04-24

## CLC/TC 59X PERFORMANCE OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

### prEN IEC 60704-1:2020

Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 1: General requirements

**Fecha Límite:** 2020-04-24

## CLC/TC 61 SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

### EN 60335-2-2:2010/prAC

Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances

**Fecha Límite:** 2020-04-24

### EN 60335-2-5:2015/prA1

Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers

**Fecha Límite:** 2020-04-24

### prEN IEC 60335-2-40

Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

**Fecha Límite:** 2020-04-24

## CLC/TC 62 ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE

### prEN IEC 63120:2020

Refurbishment of medical electrical equipment, medical electrical systems and sub-assemblies and reuse of components as part of the extended life-cycle

**Fecha Límite:** 2020-04-24

## CLC/TC 64 ELECTRICAL INSTALLATIONS AND PROTECTION AGAINST ELECTRIC SHOCK

### HD 60364-5-52:2011/prAB

Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems

**Fecha Límite:** 2020-05-01

### HD 60364-7-708:2017/prAA:2020

Low-voltage electrical installations - Part 7-708: Requirements for special installations or locations - Caravan parks, camping parks and similar locations

**Fecha Límite:** 2020-05-08

## CLC/TC 65X INDUSTRIAL-PROCESS MEASUREMENT, CONTROL AND AUTOMATION

### prEN IEC 61010-2-202:2020

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-202: Particular requirements for electrically operated valve actuators

**Fecha Límite:** 2020-04-24

## CLC/TC 69X ELECTRICAL SYSTEMS FOR ELECTRIC ROAD VEHICLES

### prEN IEC 61851-23:2020

Electric vehicle conductive charging system - Part 23: DC electric vehicle supply equipment

**Fecha Límite:** 2020-05-01

**prEN IEC 61851-24:2020**

Electric vehicle conductive charging system - Part 24: Digital communication between a DC EV charging station and an electric vehicle for control of DC charging

**Fecha Límite:** 2020-05-01

**CLC/TC 79 ALARM SYSTEMS****prEN 50134-5:2020**

Alarm systems - Social alarm systems - Part 5: Interconnections and communications

**Fecha Límite:** 2020-05-08

**prEN IEC 60839-11-33:2020**

Alarm and electronic security systems - Part 11-33: Electronic access control systems - Access control configuration based on web services

**Fecha Límite:** 2020-05-01

**CLC/SR 89 FIRE HAZARD TESTING****prEN IEC 60695-2-12:2020**

Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials

**Fecha Límite:** 2020-04-24

**CLC/SR 91 ELECTRONICS ASSEMBLY TECHNOLOGY****prEN IEC 61760-3:2020**

Surface mounting technology - Part 3: Standard method for the specification of components for through hole reflow (THR) soldering

**Fecha Límite:** 2020-04-24

**CLC/TC 121A LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR****prEN IEC 60947-6-1:2020**

Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment

**Fecha Límite:** 2020-05-01

**CLC/TC 210 ELECTROMAGNETIC COMPATIBILITY (EMC)****EN 55011:2016/prA3:2020 {fragment 1}**

Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement - Requirements for air-gap wireless power transfer (WPT)

**Fecha Límite:** 2020-05-15

## Formal vote (Voto formal, FprEN) y UAP (Procedimiento de Aceptación Unica, FprEN)

Estos documentos están sometidos a votación hasta la fecha indicada.

**FEBRERO****CEN/TC 23 TRANSPORTABLE GAS CYLINDERS****FprEN 17339**

Transportable gas cylinders - Fully wrapped carbon composite cylinders and tubes for hydrogen

**Fecha Límite:** 2020-04-09

**FprEN ISO 11114-1**

Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 1: Metallic materials (ISO/FDIS 11114-1:2020)

**Fecha Límite:** 2020-04-10

**CEN/TC 55 DENTISTRY****FprEN ISO 22052**

Dentistry - Central compressed air source equipment (ISO/FDIS 22052:2020)

**Fecha Límite:** 2020-04-22

**FprEN ISO 22569**

Dentistry - Multifunction handpieces (ISO/FDIS 22569:2020)

**Fecha Límite:** 2020-04-08

CEN/TC 119 Intermodal Loading Units and Cargo Securing (ILUCS)

**FprEN 17321**

Intermodal loading units and commercial vehicles - Transport stability of packages - Minimum requirements and tests

**Fecha Límite:** 2020-04-02

**CEN/TC 121 WELDING AND ALLIED PROCESSES****FprCEN ISO/TR 20174**

Welding - Grouping systems for materials - Japanese materials (ISO/DTR 20174:2020)

**Fecha Límite:** 2020-05-20

**FprEN ISO 10863**

Non-destructive testing of welds - Ultrasonic testing - Use of time-of-flight diffraction technique (TOFD) (ISO/FDIS 10863:2020)

**Fecha Límite:** 2020-04-18

## CEN/TC 122 ERGONOMICS

### FprEN ISO 9241-110

Ergonomics of human-system interaction - Part 110: Interaction principles (ISO/FDIS 9241-110:2020)

**Fecha Límite:** 2020-04-22

## CEN/TC 125 MASONRY

### FprEN 1745

Masonry and masonry products - Methods for determining thermal properties

**Fecha Límite:** 2020-04-16

## CEN/TC 127 FIRE SAFETY IN BUILDINGS

### FprEN ISO 1182

Reaction to fire tests for products - Non-combustibility test (ISO/FDIS 1182:2020)

**Fecha Límite:** 2020-03-30

## CEN/TC 134 RESILIENT, TEXTILE AND LAMINATE FLOOR COVERINGS

### FprEN 17396

Resilient floor coverings - Quartz vinyl tiles - Specification

**Fecha Límite:** 2020-04-02

### FprEN ISO 12951

Textile floor coverings - Determination of mass loss, fibre bind and stair nosing appearance change using the Lisson Tretrad machine (ISO/FDIS 12951:2020)

**Fecha Límite:** 2020-04-13

## CEN/TC 136 SPORTS, PLAYGROUND AND OTHER RECREATIONAL FACILITIES AND EQUIPMENT

### EN 13451-2:2015/FprA1

Swimming pool equipment - Part 2: Additional specific safety requirements and test methods for ladders, stepladders and handle bends

**Fecha Límite:** 2020-04-16

## CEN/TC 139 PAINTS AND VARNISHES

### FprEN 13523-6

Coil coated metals - Test methods - Part 6: Adhesion after indentation (cupping test)

**Fecha Límite:** 2020-04-02

### FprEN 13523-18

Coil coated metals - Test methods - Part 18: Resistance to staining

**Fecha Límite:** 2020-04-02

### FprEN 13523-20

Coil coated metals - Test methods - Part 20: Foam adhesion

**Fecha Límite:** 2020-04-02

### FprEN ISO 8502-6

Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 6: Extraction of water soluble contaminants for analysis -- The Bresle method (ISO/FDIS 8502-6:2020)

**Fecha Límite:** 2020-03-31

## CEN/TC 142 WOODWORKING MACHINES - SAFETY

### FprEN ISO 19085-12

Woodworking machines - Safety - Part 12: Tenoning/profile machines (ISO/FDIS 19085-12:2020)

**Fecha Límite:** 2020-04-14

## CEN/TC 144 TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY

### FprEN ISO 4254-17

Agricultural machinery - Safety - Part 17: Root crop harvesters (ISO/FDIS 4254-17:2020)

**Fecha Límite:** 2020-04-20

## CEN/TC 154 AGGREGATES

### FprEN 933-2

Tests for geometrical properties of aggregates - Part 2: Determination of particle size distribution - Test sieves, nominal size of apertures

**Fecha Límite:** 2020-04-16

## CEN/TC 162 PROTECTIVE CLOTHING INCLUDING HAND AND ARM PROTECTION AND LIFEJACKETS

### FprCEN/TR 17512

Personal protective equipment - Smart garments - Terms and Definitions

**Fecha Límite:** 2020-04-23

## CEN/TC 164 WATER SUPPLY

### FprEN 14451

Devices to prevent pollution by backflow of potable water - In-line anti-vacuum valves DN 10 to DN 50 inclusive - Family D, type A

**Fecha Límite:** 2020-04-23

### FprEN 15096

Devices to prevent pollution by backflow of potable water - Hose Union anti-vacuum valves - DN 15 to DN 25 inclusive Family H, type B and type D - General technical specification

**Fecha Límite:** 2020-04-23

## CEN/TC 189 GEOSYNTHETICS

### FprEN ISO 12960

Geotextiles and geotextile-related products - Screening test method for determining the resistance to acid and alkaline liquids (ISO/FDIS 12960:2020)

**Fecha Límite:** 2020-04-02

## CEN/TC 206 BIOLOGICAL AND CLINICAL EVALUATION OF MEDICAL DEVICES

### FprEN ISO 14155

Clinical investigation of medical devices for human subjects - Good clinical practice (ISO/FDIS 14155:2020)

**Fecha Límite:** 2020-04-01

### FprEN ISO 22442-1

Medical devices utilizing animal tissues and their derivatives - Part 1: Application of risk management (ISO/FDIS 22442-1:2020)

**Fecha Límite:** 2020-04-06



**CEN/TC 226 ROAD EQUIPMENT****FprEN 12414**

Vehicle parking control equipment - Requirements and test methods for a parking terminal

**Fecha Límite:** 2020-04-02

**FprEN 16303**

Road restraint systems - Validation and verification process for the use of virtual testing in crash testing against vehicle restraint system

**Fecha Límite:** 2020-04-23

**CEN/TC 230 WATER ANALYSIS****FprEN 14614**

Water Quality - Guidance standard for assessing the hydromorphological features of rivers

**Fecha Límite:** 2020-04-16

**CEN/TC 240 THERMAL SPRAYING AND THERMALLY SPRAYED COATINGS****FprEN 17393**

Thermal spraying - Tubular coating tensile test

**Fecha Límite:** 2020-04-16

**CEN/TC 247 BUILDING AUTOMATION, CONTROLS AND BUILDING MANAGEMENT****FprCEN ISO/TR 52120-2**

Energy performance of buildings - Contribution of building automation, controls and building management - Part 2: Explanation and justification of ISO 52120-1 (ISO/DTR 52120-2:2020)

**Fecha Límite:** 2020-05-22

**FprCEN ISO/TR 52127-2**

Energy performance of buildings - Building automation, controls and building management - Part 2: Explanation and justification of ISO 52127-1 (ISO/DTR 52127-2:2020)

**Fecha Límite:** 2020-05-22

**CEN/TC 248 TEXTILES AND TEXTILE PRODUCTS****FprEN ISO 1833-29**

Textiles - Quantitative chemical analysis - Part 29: Mixtures of polyamide with polypropylene/polyamide bicomponent (method using sulfuric acid) (ISO/FDIS 1833-29:2020)

**Fecha Límite:** 2020-04-21

**CEN/TC 249 PLASTICS****FprEN ISO 179-2**

Plastics - Determination of Charpy impact properties - Part 2: Instrumented impact test (ISO/FDIS 179-2:2020)

**Fecha Límite:** 2020-04-09

**FprEN ISO 24022-2**

Plastics - Polystyrene (PS) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO/FDIS 24022-2:2020)

**Fecha Límite:** 2020-04-20

**FprEN ISO 24023-1**

Plastics - Plasticized poly(vinyl chloride) (PVC-P) moulding and extrusion materials - Part 1:

Designation system and basis for specifications (ISO/FDIS 24023-1:2020)

**Fecha Límite:** 2020-04-14

**FprEN ISO 24023-2**

Plastics - Plasticized poly(vinyl chloride) (PVC-P) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO/FDIS 24023-2:2020)

**Fecha Límite:** 2020-04-14

**FprEN ISO 24025-1**

Plastics - Sulfone polymer moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO/FDIS 24025-1:2020)

**Fecha Límite:** 2020-04-15

**FprEN ISO 24025-2**

Plastics - Sulfone polymer moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO/FDIS 24025-2:2020)

**Fecha Límite:** 2020-04-15

**FprEN ISO 24026-1**

Plastics - Poly(methyl methacrylate) (PMMA) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO/FDIS 24026-1:2020)

**Fecha Límite:** 2020-04-20

**FprEN ISO 24026-2**

Plastics - Poly(methyl methacrylate) (PMMA) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO/FDIS 24026-2:2020)

**Fecha Límite:** 2020-04-20

**CEN/TC 252 CHILD USE AND CARE ARTICLES****FprEN 1273**

Child care articles - Baby walking frames - Safety requirements and test methods

**Fecha Límite:** 2020-04-23

**CEN/TC 256 RAILWAY APPLICATIONS****FprCEN/TR 17498**

Railway applications - Infrastructure - Rail mounted railway maintenance and inspection machines and associated equipment - Explanation of machine type and compliance, including acceptance processes

**Fecha Límite:** 2020-05-14

**FprEN 17355**

Railway applications - Communication device for urban rail - System requirements

**Fecha Límite:** 2020-04-16

**CEN/TC 261 PACKAGING****FprEN 16293**

Packaging - Glass Packaging - Deep BVS finishes for still wines

**Fecha Límite:** 2020-04-16

## **CEN/TC 262 METALLIC AND OTHER INORGANIC COATINGS, INCLUDING FOR CORROSION PROTECTION AND CORROSION TESTING OF METALS AND ALLOYS**

### **FprEN ISO 7539-10**

Corrosion of metals and alloys - Stress corrosion testing - Part 10: Reverse U-bend method (ISO/FDIS 7539-10:2020)

**Fecha Límite:** 2020-04-09

### **FprEN ISO 11844-1**

Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 1: Determination and estimation of indoor corrosivity (ISO/FDIS 11844-1:2020)

**Fecha Límite:** 2020-04-24

## **CEN/TC 327 ANIMAL FEEDING STUFFS - METHODS OF SAMPLING AND ANALYSIS**

### **FprEN 17374**

Animal feeding stuffs: Methods of sampling and analysis - Determination of inorganic arsenic in animal feed by anion-exchange HPLC-ICPMS

**Fecha Límite:** 2020-04-09

## **CEN/TC 335 SOLID BIOFUELS**

### **FprEN ISO 20049-1**

Solid biofuels - Determination of self-heating of pelletized biofuels - Part 1: Isothermal calorimetry (ISO/FDIS 20049-1:2020)

**Fecha Límite:** 2020-03-31

## **CEN/TC 336 BITUMINOUS BINDERS**

### **FprCEN/TS 17481**

Bitumen and bituminous binders - Determination of salt content in bitumen - Electrical conductivity method

**Fecha Límite:** 2020-04-30

### **FprCEN/TS 17482**

Bitumen and bituminous binders - Determination of acid number of bitumen - Potentiometric method

**Fecha Límite:** 2020-04-30

## **CEN/TC 341 GEOTECHNICAL INVESTIGATION AND TESTING**

### **FprEN ISO 22475-1**

Geotechnical investigation and testing - Sampling of soil, rock and groundwater - Part 1: Technical principles (ISO/FDIS 22475-1:2020)

**Fecha Límite:** 2020-04-21

## **CEN/TC 347 METHODS FOR ANALYSIS OF ALLERGENS**

### **FprEN 12472**

Method for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items

**Fecha Límite:** 2020-04-23

## **CEN/TC 351 CONSTRUCTION PRODUCTS. ASSESSMENT OF RELEASE OF DANGEROUS SUBSTANCES**

### **EN 16516:2017/FprA1**

Construction products: Assessment of release of dangerous substances - Determination of emissions of into indoor air

**Fecha Límite:** 2020-04-23

## **CEN/TC 352 NANOTECHNOLOGIES**

### **FprCEN ISO/TR 18401**

Nanotechnologies - Plain language explanation of selected terms from the ISO/IEC 80004 series (ISO/TR 18401:2017)

**Fecha Límite:** 2020-05-07

## **CEN/TC 366 MATERIALS OBTAINED FROM END-OF-LIFE TYRES (ELT)**

### **FprCEN/TR 17509**

Materials obtained from End-of-Life Tyres - Granulated rubber - Determination of textile fiber content by visual index (qualitative method)

**Fecha Límite:** 2020-05-21

### **FprCEN/TR 17511**

Materials obtained from End-of-Life Tyres - Odour of ELT granulates - Origin and remediation possibilities

**Fecha Límite:** 2020-05-21

## **CEN/TC 447 HORIZONTAL STANDARDS FOR THE PROVISION OF SERVICES**

### **FprEN 17371-1**

Provision of services - Part 1: Service procurement - Guidance for the assessment of the capacity of service providers and evaluation of service proposals

**Fecha Límite:** 2020-04-02

### **FprEN 17371-3**

Provision of services - Part 3: Management of Performance Measurement - Guidance on the mechanism to measure performance as part of service contracts

**Fecha Límite:** 2020-04-02

## **CEN/TC 450 PATIENT INVOLVEMENT IN PERSON-CENTRED CARE**

### **FprEN 17398**

Patient involvement in health care - Minimum requirements for person-centred care

**Fecha Límite:** 2020-04-09

## **CEN/TC 459/SC 2 METHODS OF CHEMICAL ANALYSIS FOR IRON AND STEEL**

### **FprCEN/TR 10317**

European certified reference materials (EURONORM-CRMs) for the determination of the chemical composition of iron and steel products

**Fecha Límite:** 2020-05-21

### **FprEN ISO 4947**

Steel and cast iron - Determination of vanadium content - Potentiometric titration method (ISO/FDIS 4947:2020)

**Fecha Límite:** 2020-04-08

**CEN/TC 463 MICROBIOLOGY OF THE FOOD CHAIN****FprEN ISO 16140-4**

Microbiology of the food chain - Method validation - Part 4: Protocol for method validation in a single laboratory (ISO/FDIS 16140-4:2020)

**Fecha Límite:** 2020-04-24

**FprEN ISO 16140-5**

Microbiology of the food chain - Method validation - Part 5: Protocol for factorial interlaboratory validation for non-proprietary methods (ISO/FDIS 16140-5:2020)

**Fecha Límite:** 2020-04-24

**CEN/SS F01 TECHNICAL DRAWINGS****FprEN ISO 128-1**

Technical product documentation (TPD) - General principles of representation - Part 1: Introduction and fundamental requirements (ISO/FDIS 128-1:2020)

**Fecha Límite:** 2020-04-17

**CEN/SS M11 POWDER METALLURGY****FprEN ISO 4497**

Metallic powders - Determination of particle size by dry sieving (ISO/FDIS 4497:2020)

**Fecha Límite:** 2020-04-06

**FprEN ISO 13517**

Metallic powders - Determination of flowrate by means of a calibrated funnel (Gustavsson flowmeter) (ISO/FDIS 13517:2020)

**Fecha Límite:** 2020-03-31

**CEN/SS T01 SHIPBUILDING AND MARITIME STRUCTURES****FprEN ISO 8849**

Small craft - Electrically operated bilge pumps (ISO/FDIS 8849:2020)

**Fecha Límite:** 2020-04-15

**CEN/CLC/JTC 1 CRITERIA FOR CONFORMITY ASSESSMENT BODIES****FprEN ISO/IEC 17000**

Conformity assessment - Vocabulary and general principles (ISO/IEC/FDIS 17000:2020)

**Fecha Límite:** 2020-04-01

**CEN/CLC/JTC 3 QUALITY MANAGEMENT AND CORRESPONDING GENERAL ASPECTS FOR MEDICAL DEVICES****FprCEN ISO/TR 20416**

Medical devices - Post-market surveillance for manufacturers (ISO/DTR 20416:2020)

**Fecha Límite:** 2020-05-06

**CEN/CLC/JTC 5 SPACE****FprEN 16603-20-01**

Space engineering - Multipactor, design and test

**Fecha Límite:** 2020-04-16

**FprEN 16603-20-06**

Space engineering - Spacecraft charging

**Fecha Límite:** 2020-04-02

**FprEN 16603-20-21**

Space engineering - Interface requirements for electrical actuators

**Fecha Límite:** 2020-04-23

**FprEN 16603-32-10**

Space engineering - Structural factors of safety for spaceflight hardware

**Fecha Límite:** 2020-04-23

**FprEN 16603-40-07**

Space engineering - Simulation modelling platform

**Fecha Límite:** 2020-04-16

**FprEN 16603-50-11**

Space engineering - SpaceFibre - Very high-speed serial link

**Fecha Límite:** 2020-04-02

**FprEN 16604-30-03**

Space - Space Situational Awareness Monitoring - Part 30-03: Observation System Data Message (OSDM)

**Fecha Límite:** 2020-04-16

**FprEN 17350**

SCM - Scheduling and Commanding Message - Standard

**Fecha Límite:** 2020-04-16

**CLC/TC 2 ROTATING MACHINERY****FprEN IEC 60034-3:2020**

Rotating electrical machines - Part 3: Specific requirements for synchronous generators driven by steam turbines or combustion gas turbines and for synchronous compensators

**Fecha Límite:** 2020-03-13

**CLC/TC 9X ELECTRICAL AND ELECTRONIC APPLICATIONS FOR RAILWAYS****CLC/FprTS 50238-2:2020**

Railway applications - Compatibility between rolling stock and train detection systems - Part 2: Compatibility with track circuits

**Fecha Límite:** 2020-05-08

**CLC/TC 14 POWER TRANSFORMERS****FprEN IEC 60076-22-7:2020**

Power transformers - Part 22-7: Power transformer and reactor fittings - Accessories and fittings

**Fecha Límite:** 2020-04-03

**CLC/TC 21X SECONDARY CELLS AND BATTERIES****FprEN IEC 62984-3:2020**

High Temperature secondary Batteries - Part 3: Sodium-based Batteries - Performance requirements and tests

**Fecha Límite:** 2020-03-20

**CLC/TC 23E CIRCUIT BREAKERS AND SIMILAR DEVICES FOR HOUSEHOLD AND SIMILAR APPLICATIONS****FprEN IEC 62020-1:2020**

Electrical accessories - Residual current monitors for household and similar uses (RCMs)

**Fecha Límite:** 2020-03-20

## CLC/TC 34 LAMPS AND RELATED EQUIPMENT

**EN 60061-1:1993/FprA60:2020**

Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamps Caps

**Fecha Límite:** 2020-03-20

## CLC/TC 37A LOW VOLTAGE SURGE PROTECTIVE DEVICES

**CLC/FprTS 51643-2**

Low-voltage surge protective devices - Part 32: Surge protective devices connected to the DC side of photovoltaic installations - Selection and application principles

**Fecha Límite:** 2020-04-24

## CLC/SR 46F RF AND MICROWAVE PASSIVE COMPONENTS

**FprEN IEC 61169-63:2020**

Radio frequency connectors - Part 63: Sectional specification - RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with bayonet lock - Characteristic impedance 75 ohms (type BNC 75)

**Fecha Límite:** 2020-04-03

## CLC/TC 55 WINDING WIRES

**FprEN IEC 60317-0-4:2020**

Specifications for particular types of winding wires - Part 0-4: General requirements - Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire

**Fecha Límite:** 2020-04-03

## CLC/TC 59X PERFORMANCE OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

**FprEN IEC 63086-1:2020**

Household and similar electrical air cleaning appliances - Methods for measuring the performance - Part 1: General requirements

**Fecha Límite:** 2020-03-20

## CLC/TC 65X INDUSTRIAL-PROCESS MEASUREMENT, CONTROL AND AUTOMATION

**FprEN IEC 62541-13:2020**

OPC Unified Architecture - Part 13: Aggregates

**Fecha Límite:** 2020-04-03

## CLC/TC 69X ELECTRICAL SYSTEMS FOR ELECTRIC ROAD VEHICLES

**CLC IEC/FprTS 61980-2:2020**

Electric vehicle wireless power transfer (wpt) systems - Part 2: Specific requirements for communication between electric road vehicle (EV) and infrastructure with respect to wireless power transfer (WPT) systems

**Fecha Límite:** 2020-04-24

**CLC IEC/FprTS 61980-3:2020**

Electric vehicle wireless power transfer (wpt) systems - Part 3: Specific requirements for the magnetic field wireless power transfer systems

**Fecha Límite:** 2020-04-24

## CLC/TC 82 SOLAR PHOTOVOLTAIC ENERGY SYSTEMS

**EN 62788-1-6:2017/FprA1:2020**

Measurement procedures for materials used in photovoltaic modules - Part 1-6: Encapsulants - Test methods for determining the degree of cure in Ethylene-Vinyl Acetate

**Fecha Límite:** 2020-03-27

**FprEN IEC 61701:2020**

Photovoltaic (PV) modules - Salt mist corrosion testing

**Fecha Límite:** 2020-04-03

## CLC/TC 86BXA FIBRE OPTIC INTERCONNECT, PASSIVE AND CONNECTORISED COMPONENTS

**FprEN IEC 61753-061-2:2020**

Fibre optic interconnecting devices and passive components - Performance standard - Part 061-2: Single-mode fibre optic pigtailed style polarization independent isolators for category C - Controlled environments

**Fecha Límite:** 2020-03-20

**FprEN IEC 61754-35:2020**

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 35: Type LSHE connector family for harsh environments

**Fecha Límite:** 2020-03-20

**FprEN IEC 61977:2020**

Fibre optic interconnecting devices and passive components - Fibre optic fixed filters - Generic specification

**Fecha Límite:** 2020-03-13

## CLC/SR 86C FIBRE OPTIC SYSTEMS AND ACTIVE DEVICES

**FprEN IEC 62343-3-3:2020**

Dynamic modules - Part 3-3: Performance specification templates - Wavelength selective switches

**Fecha Límite:** 2020-03-13

## CLC/SR 89 FIRE HAZARD TESTING

**FprEN IEC 60695-1-12:2020**

Fire hazard testing - Part 1-12: Guidance for assessing the fire hazard of electrotechnical products - Fire safety engineering

**Fecha Límite:** 2020-04-03

## CLC/SR 91 ELECTRONICS ASSEMBLY TECHNOLOGY

**FprEN IEC 61189-5-504:2020**

Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-504: General test methods for materials and assemblies - Process ionic contamination testing (PICT)

**Fecha Límite:** 2020-03-20

## CLC/SR 120 ELECTRICAL ENERGY STORAGE (EES) SYSTEMS

**FprEN IEC 62933-5-2:2020**

Electrical energy storage (EES) systems - Part 5-2: Safety requirements for grid integrated EES systems - electrochemical based systems

**Fecha Límite:** 2020-03-20

**CLC/TC 121A LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR****FprEN IEC 60947-3:2020**

Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units

**Fecha Límite:** 2020-03-20

**CLC/SR 121B LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR ASSEMBLIES**

FprEN IEC 61439-1:2020

Low-voltage switchgear and controlgear assemblies - Part 1: General rules

**Fecha Límite:** 2020-03-20

**Normas Publicadas****FEBRERO****ASD-STAN/ASD-STAN AEROSPACE****EN 3475-513:2020**

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 513: Deformation resistance (Installation with plastic cable ties)

**EN 4244:2020**

Aerospace series - Heat resisting alloy FE-PM1708 - Vacuum arc remelted - Hardened and tempered - Bars - a or D = 200 mm - 1 000 MPa = Rm = 1 140 MPa

**EN 4245:2020**

Aerospace series - Heat resisting alloy FE-PM1708 - Vacuum arc remelted - As forged - Forging stock - De = 300 mm

**EN 4264:2020**

Aerospace series - Heat resisting alloy X4NiCrMoTi43-13 - As forged - Forging stock - a or D = 200 mm

**EN 4426:2020**

Aerospace series - Non-metallic materials - Textiles - Test method - Determination of conductivity and pH of aqueous extracts

**EN 4533-001:2020**

Aerospace series - Fibre optic systems - Handbook - Part 001: Termination methods and tools

**EN 4570:2020**

Aerospace series - Heat resisting alloy X12CrNiCo-MoW21-20 - Solution treated - Forgings - De = 100 mm

**EN 4571:2020**

Aerospace series - Heat resisting alloy X12CrNiCo-MoW21-20 - Solution treated - Bars and sections - De = 100 mm

**EN 4572:2020**

Aerospace series - Heat resisting alloy X12CrNiCo-MoW21-20 - Solution treated - Sheets and strips - a = 3 mm

**EN 4573:2020**

Aerospace series - Heat resisting alloy X12CrNiCo-MoW21-20 - Solution treated and precipitation treated - Bars and sections - De = 100 mm

**EN 4574:2020**

Aerospace series - Heat resisting alloy X12CrNiCo-MoW21-20 - Solution treated and precipitation treated - Forgings - De = 100 mm

**EN 4575:2020**

Aerospace series - Heat resisting alloy X12CrNiCo-MoW21-20 - Solution treated and descaled - Sheets and plates - 3 mm < a = 50 mm

**EN 4705:2020**

Aerospace series - Measurement methods regarding the lifetime behaviour of light units in a standardized aircraft-related environment

**EN 4855-01:2020**

Aerospace series - ECO efficiency of catering equipment - Part 01: General conditions

**EN 4855-02:2020**

Aerospace series - ECO efficiency of catering equipment - Part 02: Oven equipment

**EN 4855-03:2020**

Aerospace series - ECO efficiency of catering equipment - Part 03: Chilling equipment

**EN 4855-04:2020**

Aerospace series - ECO efficiency of catering equipment - Part 04: Beverage makers

**CEN/TC 10 LIFTS, ESCALATORS AND MOVING WALKS****EN 81-20:2020**

Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 20: Passenger and goods passenger lifts

**EN 81-50:2020**

Safety rules for the construction and installation of lifts - Examinations and tests - Part 50: Design rules, calculations, examinations and tests of lift components

**CEN/TC 15 INLAND NAVIGATION VESSELS****EN 1502:2020**

Inland navigation vessels - Boarding stairs

# Normalización Europea

## EN 17360:2020

Inland navigation vessels - Stanchions and holders for tiltable and detachable railings

## EN 17361:2020

Inland navigation vessels - Outboard ladders

## CEN/TC 19 GASEOUS AND LIQUID FUELS, LUBRICANTS AND RELATED PRODUCTS OF PETROLEUM, SYNTHETIC AND BIOLOGICAL ORIGIN

### CEN/TR 15367-1:2020

Petroleum products - Guidelines for good housekeeping - Part 1: Automotive diesel fuels

### EN ISO 4259-3:2020

Petroleum and related products - Precision of measurement methods and results - Part 3: Monitoring and verification of published precision data in relation to methods of test (ISO 4259-3:2020)

### EN ISO 12922:2020

Lubricants, industrial oils and related products (class L) - Family H (Hydraulic systems) - Specifications for hydraulic fluids in categories HFAE, HFAS, HFB, HFC, HFDR and HFDU (ISO 12922:2020)

### EN ISO 13758:1996/A1:2020

Liquefied petroleum gases - Assessment of the dryness of propane - Valve freeze method - Amendment 1 (ISO 13758:1996/Amd 1:2020)

## CEN/TC 55 DENTISTRY

### EN ISO 9997:2020

Dentistry - Cartridge syringes (ISO 9997:2020)

## CEN/TC 72 FIRE DETECTION AND FIRE ALARM SYSTEMS

### EN 54-22:2015+A1:2020

Fire detection and fire alarm systems - Part 22: Resettable line-type heat detectors

## CEN/TC 127 FIRE SAFETY IN BUILDINGS

### EN 1363-1:2020

Fire resistance tests - Part 1: General Requirements

## CEN/TC 134 RESILIENT, TEXTILE AND LAMINATE FLOOR COVERINGS

### EN 17317:2020

Resilient, textile, laminate and modular mechanical locked floor coverings - Light reflectance value (LRV) of a flooring surface

### EN 17368:2020

Laminate floor coverings - Determination of impact resistance with small ball

### EN ISO 10581:2020

Resilient floor coverings - Homogeneous poly(vinyl chloride) floor covering - Specifications (ISO 10581:2019)

## CEN/TC 136 SPORTS, PLAYGROUND AND OTHER RECREATIONAL FACILITIES AND EQUIPMENT

### EN 15567-1:2015+A1:2020

Sports and recreational facilities - Ropes courses - Part 1: Construction and safety requirements

## CEN/TC 139 PAINTS AND VARNISHES

### CEN/TS 927-8:2020

Paints and varnishes - Coating materials and coating systems for exterior wood - Part 8: Determination of the adhesion on wood after water exposure by a double-X-cut test

### EN ISO 3668:2020

Paints and varnishes - Visual comparison of colour of paints (ISO 3668:2017)

### EN ISO 19396-1:2020

Paints and varnishes - Determination of pH value - Part 1: pH electrodes with glass membrane (ISO 19396-1:2017)

### EN ISO 19396-2:2020

Paints and varnishes - Determination of pH value - Part 2: pH electrodes with ISFET technology (ISO 19396-2:2017)

### EN ISO 19403-1:2020

Paints and varnishes - Wettability - Part 1: Terminology and general principles (ISO 19403-1:2017)

### EN ISO 19403-2:2020

Paints and varnishes - Wettability - Part 2: Determination of the surface free energy of solid surfaces by measuring the contact angle (ISO 19403-2:2017)

### EN ISO 19403-3:2020

Paints and varnishes - Wettability - Part 3: Determination of the surface tension of liquids using the pendant drop method (ISO 19403-3:2017)

### EN ISO 19403-4:2020

Paints and varnishes - Wettability - Part 4: Determination of the polar and dispersive fractions of the surface tension of liquids from an interfacial tension (ISO 19403-4:2017)

### EN ISO 19403-5:2020

Paints and varnishes - Wettability - Part 5: Determination of the polar and dispersive fractions of the surface tension of liquids from contact angles measurements on a solid with only a disperse contribution to its surface energy (ISO 19403-5:2017)

### EN ISO 19403-6:2020

Paints and varnishes - Wettability - Part 6: Measurement of dynamic contact angle (ISO 19403-6:2017)

### EN ISO 19403-7:2020

Paints and varnishes - Wettability - Part 7: Measurement of the contact angle on a tilt stage (roll-off angle) (ISO 19403-7:2017)

## CEN/TC 144 TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY

### EN ISO 4254-11:2010/A1:2020

Agricultural machinery - Safety - Part 11: Pick-up balers - Amendment 1 (ISO 4254-11:2010/Amd 1:2020)

## CEN/TC 150 INDUSTRIAL TRUCKS - SAFETY

### EN 1459-1:2017+A1:2020

Rough-terrain trucks - Safety requirements and verification - Part 1: Variable-reach trucks

**CEN/TC 151 CONSTRUCTION EQUIPMENT AND BUILDING MATERIAL MACHINES - SAFETY****EN ISO 19432-1:2020**

Building construction machinery and equipment - Portable, hand-held, internal combustion engine-driven abrasive cutting machines - Part 1: Safety requirements for cut-off machines for centre-mounted rotating abrasive wheels (ISO 19432-1:2020)

**CEN/TC 155 PLASTICS PIPING SYSTEMS AND DUCTING SYSTEMS****CEN/TS 1401-2:2020**

Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Guidance for the assessment of conformity

**CEN/TC 162 PROTECTIVE CLOTHING INCLUDING HAND AND ARM PROTECTION AND LIFEJACKETS****EN 17092-2:2020**

Protective garments for motorcycle riders - Part 2: Class AAA garments - Requirements

**EN 17092-3:2020**

Protective garments for motorcycle riders - Part 3: Class AA garments - Requirements

**EN 17092-4:2020**

Protective garments for motorcycle riders - Part 4: Class A garments - Requirements

**EN 17092-5:2020**

Protective garments for motorcycle riders - Part 5: Class B garments - Requirements

**EN 17092-6:2020**

Protective garments for motorcycle riders - Part 6: Class C garments - Requirements

**CEN/TC 164 WATER SUPPLY****EN 12897:2016+A1:2020**

Water supply - Specification for indirectly heated unvented (closed) storage water heaters

**CEN/TC 170 OPHTHALMIC OPTICS****EN ISO 24157:2008/A1:2020**

Ophthalmic optics and instruments - Reporting aberrations of the human eye - Amendment 1 (ISO 24157:2008/Amd 1:2020)

**CEN/TC 172 PULP, PAPER AND BOARD****EN ISO 536:2020**

Paper and board - Determination of grammage (ISO 536:2019)

**CEN/TC 182 REFRIGERATING SYSTEMS, SAFETY AND ENVIRONMENTAL REQUIREMENTS****EN 14276-1:2020**

Pressure equipment for refrigerating systems and heat pumps - Part 1: Vessels - General requirements

**EN 14276-2:2020**

Pressure equipment for refrigerating systems and heat pumps - Part 2: Piping - General requirements

**CEN/TC 188 CONVEYOR BELTS****EN ISO 21178:2020**

Light conveyor belts - Determination of electrical resistances (ISO 21178:2020)

**CEN/TC 207 FURNITURE****EN 13150:2020**

Workbenches for laboratories in educational institutions - Dimensions, safety and durability requirements and test methods

**CEN/TC 211 ACOUSTICS****EN ISO 11200:2014/A1:2020**

Acoustics - Noise emitted by machinery and equipment - Guidelines for the use of basic standards for the determination of emission sound pressure levels at a work station and at other specified positions - Amendment 1 (ISO 11200:2014/Amd 1:2018)

**CEN/TC 215 RESPIRATORY AND ANAESTHETIC EQUIPMENT****EN ISO 17510:2020**

Medical devices - Sleep apnoea breathing therapy - Masks and application accessories (ISO 17510:2015)

**EN ISO 18562-1:2020**

Biocompatibility evaluation of breathing gas pathways in healthcare applications - Part 1: Evaluation and testing within a risk management process (ISO 18562-1:2017)

**EN ISO 18562-2:2020**

Biocompatibility evaluation of breathing gas pathways in healthcare applications - Part 2: Tests for emissions of particulate matter (ISO 18562-2:2017)

**EN ISO 18562-3:2020**

Biocompatibility evaluation of breathing gas pathways in healthcare applications - Part 3: Tests for emissions of volatile organic compounds (VOCs) (ISO 18562-3:2017)

**EN ISO 18562-4:2020**

Biocompatibility evaluation of breathing gas pathways in healthcare applications - Part 4: Tests for leachables in condensate (ISO 18562-4:2017)

**EN ISO 80601-2-74:2020**

Medical electrical equipment - Part 2-74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment (ISO 80601-2-74:2017)

**CEN/TC 227 ROAD MATERIALS****EN 12697-6:2020**

Bituminous mixtures - Test methods - Part 6: Determination of bulk density of bituminous specimens

**EN 12697-11:2020**

Bituminous mixtures - Test methods - Part 11: Determination of the affinity between aggregate and bitumen

**EN 12697-14:2020**

Bituminous mixtures - Test methods - Part 14: Water content

**EN 12697-19:2020**

Bituminous mixtures - Test methods - Part 19: Permeability of specimen

**EN 12697-20:2020**

Bituminous mixtures - Test methods - Part 20: Indentation using cube or Marshall specimens

**EN 12697-21:2020**

Bituminous mixtures - Test methods - Part 21: Indentation using plate specimens

**EN 12697-22:2020**

Bituminous mixtures - Test methods - Part 22: Wheel tracking

**EN 12697-28:2020**

Bituminous mixtures - Test methods - Part 28: Preparation of samples for determining binder content, water content and grading

**EN 12697-34:2020**

Bituminous mixtures - Test methods - Part 34: Marshall test

**EN 12697-39:2020**

Bituminous mixtures - Test methods - Part 39: Binder content by ignition

**EN 12697-40:2020**

Bituminous mixtures - Test methods - Part 40: In situ drainability

**EN 12697-45:2020**

Bituminous mixtures - Test methods - Part 45: Saturation Ageing Tensile Stiffness (SATS) conditioning test

**EN 12697-46:2020**

Bituminous mixtures - Test methods - Part 46: Low temperature cracking and properties by uniaxial tension tests

**CEN/TC 230 WATER ANALYSIS****EN ISO 13164-1:2020**

Water quality - Radon-222 - Part 1: General principles (ISO 13164-1:2013, Correction version 2013-11-15)

**EN ISO 13164-2:2020**

Water quality - Radon-222 - Part 2: Test method using gamma-ray spectrometry (ISO 13164-2:2013)

**EN ISO 13164-3:2020**

Water quality - Radon-222 - Part 3: Test method using emanometry (ISO 13164-3:2013)

**EN ISO 13164-4:2020**

Water quality - Radon-222 - Part 4: Test method using two-phase liquid scintillation counting (ISO 13164-4:2015)

**EN ISO 13165-1:2020**

Water quality - Radium-226 - Part 1: Test method using liquid scintillation counting (ISO 13165-1:2013)

**EN ISO 13165-2:2020**

Water quality - Radium-226 - Part 2: Test method using emanometry (ISO 13165-2:2014)

**EN ISO 13165-3:2020**

Water quality - Radium-226 - Part 3: Test method using coprecipitation and gamma-spectrometry (ISO 13165-3:2016)

**EN ISO 22908:2020**

Water quality - Radium 226 and Radium 228 - Test method using liquid scintillation counting (ISO 22908:2020)

**CEN/TC 246 NATURAL STONES****EN 15388:2020**

Agglomerated stone - Slabs and cut-to-size products for vanity and kitchen tops

**CEN/TC 247 BUILDING AUTOMATION, CONTROLS AND BUILDING MANAGEMENT****EN ISO 22510:2020**

Open data communication in building automation, controls and building management - Home and building electronic systems - KNXnet/IP communication (ISO 22510:2019)

**CEN/TC 248 TEXTILES AND TEXTILE PRODUCTS****EN ISO 3071:2020**

Textiles - Determination of pH of aqueous extract (ISO 3071:2020)

**EN ISO 20932-1:2020**

Textiles - Determination of the elasticity of fabrics - Part 1: Strip tests (ISO 20932-1:2018)

**EN ISO 20932-2:2020**

Textiles - Determination of the elasticity of fabrics - Part 2: Multiaxial tests (ISO 20932-2:2018)

**EN ISO 20932-3:2020**

Textiles - Determination of the elasticity of fabrics - Part 3: Narrow fabrics (ISO 20932-3:2018)

**CEN/TC 256 RAILWAY APPLICATIONS****EN 13230-4:2016+A1:2020**

Railway applications - Track - Concrete sleepers and bearers - Part 4: Prestressed bearers for switches and crossings

**EN 16334-2:2020**

Railway applications - Passenger alarm system - Part 2: System requirements for urban rail

**CEN/TC 261 PACKAGING****EN ISO 16106:2020**

Transport packages for dangerous goods - Dangerous goods packagings, intermediate bulk containers (IBCs) and large packagings - Guidelines for the application of ISO 9001 (ISO 16106:2020)

**CEN/TC 262 METALLIC AND OTHER INORGANIC COATINGS, INCLUDING FOR CORROSION PROTECTION AND CORROSION TESTING OF METALS AND ALLOYS****EN ISO 8044:2020**

Corrosion of metals and alloys - Vocabulary (ISO 8044:2020)



**EN ISO 8289-1:2020**

Vitreous and porcelain enamels - Low-voltage test for detecting and locating defects - Part 1: Swab test for non-profiled surfaces (ISO 8289-1:2020)

**CEN/TC 268 CRYOGENIC VESSELS AND SPECIFIC HYDROGEN TECHNOLOGIES APPLICATIONS****EN ISO 17268:2020**

Gaseous hydrogen land vehicle refuelling connection devices (ISO 17268:2020)

**CEN/TC 278 INTELLIGENT TRANSPORT SYSTEMS****CEN/TS 13149-7:2020**

Public transport - Road vehicle scheduling and control systems - Part 7: System and network architecture

**CEN/TC 296 TANKS FOR TRANSPORT OF DANGEROUS GOODS****EN 13922:2020**

Tanks for transport of dangerous goods - Service equipment for tanks - Overfill prevention systems for liquid fuels

**CEN/TC 326 NATURAL GAS VEHICLES - FUELLING AND OPERATION****CEN/TR 17452:2020**

Natural gas fuelling stations — Guidance for implementation of European standards on CNG and LNG stations for fuelling vehicles

**CEN/TC 331 POSTAL SERVICES****CEN/TS 17073:2020**

Postal services - Interfaces for cross border parcels

**CEN/TC 335 SOLID BIOFUELS****EN ISO 21404:2020**

Solid biofuels - Determination of ash melting behaviour (ISO 21404:2020)

**CEN/TC 345 CHARACTERIZATION OF SOILS****EN ISO 11074:2015/A1:2020**

Soil quality - Vocabulary - Amendment 1 (ISO 11074:2015/Amd 1:2020)

**CEN/TC 364 PROJECT COMMITTEE - HIGH CHAIRS****EN 14988:2017+A1:2020**

Children's high chairs - Requirements and test methods

**CEN/TC 391 SOCIETAL AND CITIZEN SECURITY****EN ISO 22313:2020**

Security and resilience - Business continuity management systems - Guidance on the use of ISO 22301 (ISO 22313:2020)

**CEN/TC 430 NUCLEAR ENERGY, NUCLEAR TECHNOLOGIES, AND RADIOLOGICAL PROTECTION****EN ISO 11665-3:2020**

Measurement of radioactivity in the environment - Air: radon-222 - Part 3: Spot measurement method of the potential alpha energy concentration of its short-lived decay products (ISO 11665-3:2020)

**EN ISO 11665-5:2020**

Measurement of radioactivity in the environment - Air: radon-222 - Part 5: Continuous measurement methods of the activity concentration (ISO 11665-5:2020)

**EN ISO 11665-6:2020**

Measurement of radioactivity in the environment - Air: radon-222 - Part 6: Spot measurement methods of the activity concentration (ISO 11665-6:2020)

**EN ISO 18557:2020**

Characterisation principles for soils, buildings and infrastructures contaminated by radionuclides for remediation purposes (ISO 18557:2017)

**EN ISO 19226:2020**

Nuclear energy - Determination of neutron fluence and displacement per atom (dpa) in reactor vessel and internals (ISO 19226:2017)

**EN ISO 19361:2020**

Measurement of radioactivity - Determination of beta emitters activities - Test method using liquid scintillation counting (ISO 19361:2017)

**EN ISO 19581:2020**

Measurement of radioactivity - Gamma emitting radionuclides - Rapid screening method using scintillation detector gamma-ray spectrometry (ISO 19581:2017)

**CEN/TC 442 BUILDING INFORMATION MODELLING (BIM)****EN ISO 12006-2:2020**

Building construction - Organization of information about construction works - Part 2: Framework for classification (ISO 12006-2:2015)

**EN ISO 16739-1:2020**

Industry Foundation Classes (IFC) for data sharing in the construction and facility management industries - Part 1: Data schema (ISO 16739-1:2018)

**CEN/TC 459/SC 1 TEST METHODS FOR STEEL (OTHER THAN CHEMICAL ANALYSIS)****EN ISO 10113:2020**

Metallic materials - Sheet and strip - Determination of plastic strain ratio (ISO 10113:2020)

**CEN/TC 459/SC 2 METHODS OF CHEMICAL ANALYSIS FOR IRON AND STEEL****EN ISO 439:2020**

Steel and cast irons - Determination of silicon content - Gravimetric method (ISO 439:2020)

**CEN/SS N21 GASEOUS FUELS AND COMBUSTIBLE GAS****EN ISO 6141:2015/A1:2020**

Gas analysis - Contents of certificates for calibration gas mixtures - Amendment 1: Cross reference list to ISO Guide 31:2015 and ISO/IEC 17025:2017 (ISO 6141:2015/Amd 1:2020)

**CEN/SS S26 ENVIRONMENTAL MANAGEMENT****EN ISO 14006:2020**

Environmental management systems - Guidelines for incorporating ecodesign (ISO 14006:2020)

## CEN/WS XFS EXTENSIONS FOR FINANCIAL SERVICES

### **CWA 16926-1:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 1: Application Programming Interface (API) - Service Provider Interface (SPI) - Programmer's Reference

### **CWA 16926-2:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 2: Service Class Definition - Programmer's Reference

### **CWA 16926-3:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 3: Printer and Scanning Device Class Interface - Programmer's Reference

### **CWA 16926-4:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 4: Identification Card Device Class Interface - Programmer's Reference

### **CWA 16926-5:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 5: Cash Dispenser Device Class Interface - Programmer's Reference

### **CWA 16926-6:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 6: PIN Keypad Device Class Interface - Programmer's Reference

### **CWA 16926-7:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 7: Check Reader/Scanner Device Class Interface - Programmer's Reference

### **CWA 16926-8:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 8: Depository Device Class Interface - Programmer's Reference

### **CWA 16926-9:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 9: Text Terminal Unit Device Class Interface - Programmer's Reference

### **CWA 16926-10:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 10: Sensors and Indicators Unit Device Class Interface - Programmer's Reference

### **CWA 16926-11:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 11: Vendor Dependent Mode Device Class Interface - Programmer's Reference

### **CWA 16926-12:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 12: Camera Device Class Interface - Programmer's Reference

### **CWA 16926-13:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 13: Alarm Device Class Interface - Programmer's Reference

### **CWA 16926-14:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 14: Card Embossing Unit Device Class Interface - Programmer's Reference

### **CWA 16926-15:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 15: Cash-In Module Device Class Interface - Programmer's Reference

### **CWA 16926-16:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 16: Card Dispenser Device Class Interface - Programmer's Reference

### **CWA 16926-17:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 17: Barcode Reader Device Class Interface - Programmer's Reference

### **CWA 16926-18:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 18: Item Processing Module Device Class Interface - Programmer's Reference

### **CWA 16926-61:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 61: Application Programming Interface (API) - Service Provider Interface (SPI) - Migration from Version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

### **CWA 16926-62:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 62: Printer and Scanning Device Class Interface - Migration from Version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

### **CWA 16926-63:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 63: Identification Card Device Class Interface - Migration from version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

### **CWA 16926-64:2020**

Extensions for Financial Services (XFS) interface specification - Release 3.40 - Part 64: Cash Dispenser (CDM) Device Class Interface - Migration from Version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

### **CWA 16926-65:2020**

Extensions for Financial Services (XFS) interface specification - Release 3.40 - Part 65: PIN Device Class Interface - Migration from version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

### **CWA 16926-66:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 66: Check Reader/Scanner Device Class Interface - Migration from Version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

**CWA 16926-67:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 67: Depository Device Class Interface - Migration from Version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

**CWA 16926-68:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 68: Text Terminal Unit (TTU) Device Class Interface - Migration from Version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

**CWA 16926-69:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 69: Sensors and Indicators Unit Device Class Interface - Migration from Version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

**CWA 16926-70:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 70: Vendor Dependent Mode (VDM) Device Class Interface - Migration from Version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

**CWA 16926-71:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 71: Camera Device Class Interface - Migration from version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

**CWA 16926-72:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 72: Alarm Device Class Interface - Migration from version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

**CWA 16926-73:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 73: Card Embossing Unit Device Class Interface - Migration from version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

**CWA 16926-74:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 74: Cash-In Module Device Class Interface - Migration from version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

**CWA 16926-75:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 75: Card Dispenser Device Class Interface - Migration from version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

**CWA 16926-76:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 76: Barcode Reader Device Class Interface - Migration from version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

**CWA 16926-77:2020**

Extensions for Financial Services (XFS) interface specification Release 3.40 - Part 77: Item Processing Module Device Class Interface - Migration from version 3.30 (CWA 16926) to Version 3.40 (this CWA) - Programmer's Reference

### **CEN/WS 102 CEN WORKSHOP ON GUIDELINES FOR INTRODUCING TELE-MEDICAL AND PERVASIVE MONITORING TECHNOLOGIES BALANCING PRIVACY PROTECTION AGAINST THE NEED FOR OVERSIGHT AND CARE**

**CWA 17502:2020**

Privacy of monitoring technology - Guidelines for introducing ambient and wearable monitoring technologies balancing privacy protection against the need for oversight and care

**CEN/CLC/JTC 5 SPACE****CEN/TR 17447:2020**

Space - Use of GNSS-based positioning for road Intelligent Transport System (ITS) - Mathematical PVT error model

### **CEN/CLC/JTC 10 ENERGY-RELATED PRODUCTS - MATERIAL EFFICIENCY ASPECTS FOR ECODSIGN**

**EN 45554:2020**

General methods for the assessment of the ability to repair, reuse and upgrade energy-related products

### **CEN/CLC/JTC 13 CYBERSECURITY AND DATA PROTECTION EN ISO/IEC 27000:2020**

Information technology - Security techniques - Information security management systems - Overview and vocabulary (ISO/IEC 27000:2018)

### **CLC/TC 9X ELECTRICAL AND ELECTRONIC APPLICATIONS FOR RAILWAYS**

**EN 50128:2011/A1:2020**

Railway applications - Communication, signalling and processing systems - Software for railway control and protection systems

**EN 50153:2014/A2:2020**

Railway applications - Rolling stock - Protective provisions relating to electrical hazards

**EN 50159:2010/A1:2020**

Railway applications - Communication, signalling and processing systems - Safety-related communication in transmission systems

**EN 50163:2004/A2:2020**

Railway applications - Supply voltages of traction systems

**EN 50553:2012/A2:2020**

Railway applications - Requirements for running capability in case of fire on board of rolling stock  
CLC/TC 20 Electric cables

**EN 61034-1:2005/A2:2020**

Measurement of smoke density of cables burning under defined conditions - Part 1: Test apparatus

# Normalización Europea

## EN 61034-2:2005/A2:2020

Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements

## CLC/TC 23BX SWITCHES, BOXES AND ENCLOSURES FOR HOUSEHOLD AND SIMILAR PURPOSES, PLUGS AND SOCKET OUTLETS FOR D.C. AND FOR THE CHARGING OF ELECTRICAL VEHICLES INCLUDING THEIR CONNECTORS

### EN 60669-1:2018/AC:2020-02

Switches for household and similar fixed electrical installations - Part 1: General requirements

## CLC/SR 27 INDUSTRIAL ELECTROHEATING AND ELECTROMAGNETIC PROCESSING

### EN IEC 63078:2020

Installations for electroheating and electromagnetic processing - Test methods for induction through-heating installations

## CLC/TC 31 ELECTRICAL APPARATUS FOR POTENTIALLY EXPLOSIVE ATMOSPHERES

### EN IEC 60079-0:2018/AC:2020-02

Explosive atmospheres - Part 0: Equipment - General requirements

## CLC/SR 46F RF AND MICROWAVE PASSIVE COMPONENTS

### EN IEC 63137-1:2019/AC:2020-02

Standard test radio-frequency connectors - Part 1: Generic specification - General requirements and test methods

## CLC/SR 56 DEPENDABILITY

### EN IEC 61123:2020

Reliability testing - Compliance test plans for success ratio

## CLC/TC 57 POWER SYSTEM MANAGEMENT AND ASSOCIATED INFORMATION EXCHANGE

### EN 62488-2:2017/AC:2020-02

Power line communication systems for power utility applications - Part 2: Analogue power line carrier terminals or APLC

## CLC/TC 61 SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

### EN 60335-2-78:2003/A11:2020

Household and similar electrical appliances - Safety - Part 2-78: Particular requirements for outdoor barbecues

### EN 60335-2-82:2003/A2:2020

Household and similar electrical appliances - Safety - Part 2-82: Particular requirements for amusement machines and personal service machines

### EN IEC 60335-2-71:2020

Household and similar electrical appliances - Safety - Part 2-71: Particular requirements for electrical heating appliances for breeding and rearing animals

### EN IEC 60335-2-87:2020

Household and similar electrical appliances - Safety - Part 2-87: Particular requirements for electrical animal-stunning equipment

## EN IEC 62115:2020

Electric toys - Safety

## EN IEC 62115:2020/A11:2020

Electric toys - Safety

## CLC/TC 65X INDUSTRIAL-PROCESS MEASUREMENT, CONTROL AND AUTOMATION

### CLC IEC/TR 63069:2020

Industrial-process measurement, control and automation - Framework for functional safety and security

## CLC/TC 72 AUTOMATIC CONTROLS FOR HOUSEHOLD USE

### EN IEC 60730-2-22:2020

Automatic electrical controls - Part 2-22: Particular requirements for thermal motor protectors

## CLC/SR 96 TRANSFORMERS, REACTORS, POWER SUPPLY UNITS, AND COMBINATIONS THEREOF

### EN IEC 62041:2020

Transformers, power supplies, reactors and similar products - EMC requirements

## CLC/TC 111X ENVIRONMENT

### EN 50614:2020

Requirements for the preparing for re-use of waste electrical and electronic equipment

## CLC/TC 121A LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR

### EN 60947-2:2017/A1:2020

Low-voltage switchgear and controlgear - Part 2: Circuit-breakers

### EN 62026-3:2015/A11:2020

Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 3: DeviceNet

## CLC/TC 215 ELECTROTECHNICAL ASPECTS OF TELECOMMUNICATION EQUIPMENT

### EN 50310:2016/A1:2020

Telecommunications bonding networks for buildings and other structures

## ETSI/ETSI EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE

### EN 302217-2 V3.2.2

Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 2: Digital systems operating in frequency bands from 1 GHz to 86 GHz; Harmonised Standard for access to radio spectrum

### EN 303345-2 V1.1.1

Broadcast Sound Receivers; Part 2: AM broadcast sound service; Harmonised Standard for access to radio spectrum

### EN 303345-5 V1.1.1

Broadcast Sound Receivers; Part 5: DRM broadcast sound service; Harmonised Standard for access to radio spectrum

## Reglamentos Técnicos

Relación de los Proyectos de Reglamentos Técnicos y de los Reglamentos relativos a los Servicios de la Sociedad de la Información notificados a la Comisión Europea en el marco del procedimiento de la Directiva (UE) 2015/1535 por los Estados miembro de la Comisión Europea y de la EFTA durante el mes de febrero de 2020.

*Estos proyectos se encuentran en Internet. El sitio Web está en Europa en la siguiente dirección: <http://ec.europa.eu/growth/tools-databases/tris/es/>*

## FEBRERO

### ALEMANIA

**Notificación: 2020/00034/D**

Proyecto de descripción de interfaces para equipos de radioenlace en la banda de 23 GHz (punto a punto); edición de diciembre de 2019.

**Fecha de observaciones:** 30/04/2020

Notificación: 2020/00039/D

Proyecto de Ley relativa a la transposición de la Directiva marco sobre los residuos de la Unión Europea

**Fecha de observaciones:** 01/05/2020

**Notificación: 2020/00055/D**

Proyecto de Descripción de interfaces para equipos de radioenlace en la banda de 4 GHz (punto a punto); edición de diciembre de 2019.

**Fecha de observaciones:** 13/05/2020

**Notificación: 2020/00062/D**

Proyecto de Directriz DAfStb «Uso de cenizas volantes y cenizas de fondo ricas en silicio para componentes de hormigón en contacto con el suelo, el agua subterránea o las precipitaciones»; proyecto de febrero de 2020.

**Fecha de observaciones:** 18/05/2020

**Notificación: 2020/00063/D**

Proyecto de Directriz DAfStb «Ensayos de carga en estructuras de hormigón»; proyecto de febrero de 2020.

**Fecha de observaciones:** 18/05/2020

**Notificación: 2020/00065/D**

Proyecto de Ley relativa a la lucha contra el extremismo de derecha y el delito de odio.

**Fecha de observaciones:** 18/05/2020

**Notificación: 2020/00081/D**

Proyecto de Reglamento por el que se modifica la Ley de pre-envases.

**Fecha de observaciones:** 25/05/2020

**Notificación: 2020/00087/D**

Proyecto de Rectificación de la Directriz DAfStb «Hormigón según DIN EN 206-1 y DIN 1045-2 con áridos reciclados según DIN EN 12620», proyecto de febrero de 2020.

**Fecha de observaciones:** 25/05/2020

### AUSTRIA

**Notificación: 2020/00041/A**

Proyecto de Decreto del Consejo municipal de la ciudad de Viena por el que se establece el plan energético del territorio para el distrito 03.

**Fecha de observaciones:** 05/05/2020

**Notificación: 2020/00060/A**

Proyecto de Decreto policial local de la Administración municipal de la ciudad de Viena sobre la colocación de contenedores de material para esparcir en zonas de tráfico públicas y áreas verdes (Decreto sobre los contenedores de material para esparcir).

**Fecha de observaciones:** 15/05/2020

**Notificación: 2020/00067/A**

Proyecto de Condiciones técnicas contractuales, explicada de la subestructura y capas de base no ligadas, capas de base con granulado de asfalto no ligadas.

**Fecha de observaciones:** 19/05/2020

**Notificación: 2020/00078/A**

Proyecto de Modificación del Decreto del Gobierno regional relativo a la inspección de los equipos de protección fitosanitaria.

**Fecha de observaciones:** 21/05/2020

**Notificación: 2020/00079/A**

Proyecto de Ley de apuestas de Baja Austria.

**Fecha de observaciones:** 22/05/2020

### BÉLGICA

**Notificación: 2020/00042/B**

Proyecto de Real Decreto sobre instrucciones para farmacéuticos.

**Fecha de observaciones:** 05/05/2020

**Notificación: 2020/00068/B**

Proyecto de Real Decreto relativo a la denominación y a las características de los gasóleos marinos y de los combustibles residuales para uso marino.

**Fecha de observaciones:** 19/05/2020

**Notificación: 2020/00088/B**

Proyecto de Real Decreto relativo a la toma y al análisis de muestras, según el artículo 3, apartado 5, del Real Decreto, de 22 de febrero de 2001, por el que se organizan los controles efectuados por la Agencia Federal de Seguridad de la Cadena Alimentaria y se modifican varias disposiciones jurídicas.

**Fecha de observaciones:** 26/05/2020

### CROACIA

**Notificación: 2020/00073/HR**

Proyecto de Ley por la que se modifica la Ley sobre los productos de construcción con el proyecto final de Ley.

**Fecha de observaciones:** 20/05/2020

### BULGARIA

**Notificación: 2020/00036/BG**

Proyecto de Ley sobre la gestión de la cadena agroalimentaria.

**Fecha de observaciones:** 30/04/2020

# Procedimientos de Información

## DINAMARCA

**Notificación: 2020/00050/DK**

Proyecto de Orden relativa a las sustancias sólidas inflamables.

**Fecha de observaciones:** 11/05/2020

**Notificación: 2020/00052/DK**

Proyecto de Orden sobre determinados requisitos relativos a los envases.

**Fecha de observaciones:** 12/05/2020

**Notificación: 2020/00075/DK**

Proyecto de Orden relativa a la prohibición de la importación y comercialización de productos cosméticos de enjuague que contengan microplásticos.

**Fecha de observaciones:** 20/05/2020

**Notificación: 2020/00085/DK**

Proyecto de Ley por la que se modifica la Ley del impuesto sobre los envases, la Ley del impuesto sobre el tabaco, la Ley relativa a varios impuestos especiales, la Ley relativa a la reducción temporal de la pena por infracciones fiscales relacionadas con fondos en cuentas extranjeras, etc., y la Ley de recaudación tributaria.

(Aumento del impuesto sobre las bolsas para transportar mercancías, los cubiertos desechables y el tabaco).

**Fecha de observaciones:** 25/02/2020

**Notificación: 2020/00086/DK**

Proyecto de Ley por la que se modifica la Ley sobre los impuestos que gravan la inscripción de derechos de propiedad e hipotecas, etc. (Ley del impuesto sobre el registro de la propiedad), la Ley del impuesto sobre los envases, la Ley del impuesto sobre los plaguicidas y varias otras leyes (indexación de las tasas fijas aplicables al registro de la propiedad y una serie de impuestos medioambientales, así como el restablecimiento del impuesto de matriculación de aeronaves, etc.).

**Fecha de observaciones:** (5)

## ESLOVAQUIA

**Notificación: 2020/00037/SK**

Proyecto de Decreto de Ejecución de la Autoridad Reguladora Nuclear de la República Eslovaca por el que se establecen los materiales especiales y equipos que están bajo supervisión de la Autoridad Reguladora Nuclear de la República Eslovaca.

**Fecha de observaciones:** 30/04/2020

**Notificación: 2020/00058/SK**

Proyecto de especificaciones técnicas (ET) 093. Sistema de control central y visualización. Túneles.

**Fecha de observaciones:** 15/05/2020

**Notificación: 2020/00059/SK**

Proyecto de Especificaciones técnicas (ET) . Iluminación en túneles de carretera.

**Fecha de observaciones:** 15/05/2020

## ESPAÑA

**Notificación: 2020/00080/E**

Proyecto de Real Decreto por el que se aprueba el procedimiento básico para la certificación de la eficiencia energética de los edificios.

**Fecha de observaciones:** 22/05/2020

**Notificación: 2020/00082/E**

Proyecto de Decreto de modificación del Decreto 23/2005, de 22 de febrero, por el que se aprueba el Reglamento de máquinas recreativas y de azar.

**Fecha de observaciones:** 25/05/2020

**Notificación: 2020/00084/E**

Proyecto de Real Decreto por el que se establecen las obligaciones de registro documental e información de las personas físicas o jurídicas que ejercen actividades de hospedaje y alquiler de vehículos a motor.

**Fecha de observaciones:** 25/05/2020

**Notificación: 2020/00102/E**

Proyecto de Real Decreto de Comunicaciones Comerciales de las Actividades de Juego.

**Fecha de observaciones:** 03/06/2020

## FINLANDIA

**Notificación: 2020/00040/FIN**

Proyecto de Transportes especiales y vehículos de transporte especial.

**Fecha de observaciones:** 04/05/2020

**Notificación: 2020/00044/FIN**

Proyecto de Uso de vehículos en carretera.

**Fecha de observaciones:** 06/05/2020

**Notificación: 2020/00045/FIN**

Proyecto de Requisitos técnicos para automóviles y sus remolques.

**Fecha de observaciones:** 06/05/2020

**Notificación: 2020/00046/FIN**

Proyecto de Requisitos técnicos aplicables a las luces de señalización y advertencia de vehículos, a las luces de trabajo e iluminación auxiliar, a los dispositivos de señales acústicas de advertencia en vehículos de emergencia, así como a los reflectores y los marcados reflectantes de determinados vehículos, y a su instalación en estos.

**Fecha de observaciones:** 06/05/2020

**Notificación: 2020/00066/FIN**

Proyecto de Requisitos técnicos y homologación de tipo de neumáticos con clavos para vehículos.

**Fecha de observaciones:** 19/05/2020

## FRANCIA

**Notificación: 2020/00072/F**

Proyecto de Orden relativa a los materiales y productos metálicos destinados a las instalaciones de producción, de distribución y de envasado que entran en contacto con el agua destinada al consumo humano.

**Fecha de observaciones:** 19/05/2020

**Notificación: 2020/00077/F**

Proyecto de Orden relativa a los sistemas de medición de líquidos distintos del agua.

**Fecha de observaciones:** 20/05/2020

## GRECIA

**Notificación: 2020/00074/GR**

Proyecto de Decisión ministerial por el que se adopta el Reglamento de juegos de azar relativo a la

gestión de los cambios en los sistemas centrales de información.

**Fecha de observaciones:** 20/05/2020

#### HOLANDA

**Notificación:** 2020/00048/NL

Proyecto de Orden n.º WJZ/20030806 del Ministro de Economía y Políticas Climáticas por la que se designan categorías de instalaciones de producción para fomentar la producción sostenible de energía en la primavera de 2020.

**Fecha de observaciones:** (5)

**Notificación:** 2020/00049/NL

Proyecto de Orden por la que se establece la Orden sobre normas nacionales de seguridad de las aeronaves.

**Fecha de observaciones:** 07/05/2020

#### HUNGRÍA

**Notificación:** 2020/00069/HU

Proyecto de Decreto del Ministro del Interior sobre la modificación del Decreto n.º 32/2017, de 20 de diciembre de 2017, del Ministro del Interior, relativo a las normas para llevar a cabo las actividades operativas de técnicas con cuerda del Centro de lucha antiterrorista.

**Fecha de observaciones:** 19/05/2020

#### IRLANDA

**Notificación:** 2020/00047/IRL

Proyecto de Ley de 2020 sobre la venta de entradas (espectáculos culturales, de entretenimiento, recreativos y deportivos).

**Fecha de observaciones:** 06/05/2020

**Notificación:** 2020/00057/IRL

Proyecto de Reglamento de 2020 sobre la diarrea viral bovina (modificación).

**Fecha de observaciones:** 14/05/2020

**Notificación:** 2020/00061/IRL

Proyecto de Reglamento de 2020 sobre las disposiciones de la Unión Europea en materia de especies exóticas invasoras.

**Fecha de observaciones:** 15/05/2020

#### ITALIA

**Notificación:** 2020/00076/I

Proyecto de pliego de condiciones «Cadena porcina».

**Fecha de observaciones:** 20/05/2020

#### LITUANIA

**Notificación:** 2020/00035/LT

Proyecto de Orden del Director de la Autoridad de Supervisión del Juego, dependiente del Ministerio de Finanzas de la República de Lituania, por la que se modifica la Orden del Director de la Autoridad de Supervisión del Juego, dependiente del Ministerio de Finanzas de la República de Lituania, por la que se aprueban los requisitos aplicables a los dispositivos de juegos de azar a distancia (en adelante, «el proyecto»).

**Fecha de observaciones:** 30/04/2020

**Notificación:** 2020/00051/LT

Proyecto de Orden del Ministro de Sanidad de la República de Lituania por la que se modifica la Orden n.º V-1491 del Ministro de Sanidad de la República de Lituania, de 21 de diciembre de 2015, «sobre la aprobación de la descripción del procedimiento para ofrecer al público medicamentos destinados a la venta a distancia».

**Fecha de observaciones:** 12/05/2020

#### MALTA

**Notificación:** 2020/00056/MT

Proyecto de Régimen nacional «Productos de calidad». Pliego de condiciones - Normas de la miel.

**Fecha de observaciones:** 14/05/2020

#### POLONIA

**Notificación:** 2020/00038/PL

Proyecto de Reglamento del Ministro de Finanzas relativo a las cajas registradoras basadas en «software».

**Fecha de observaciones:** 30/04/2020

**Notificación:** 2020/00043/PL

Proyecto de Ley por la que se modifican determinadas leyes para fomentar las decisiones saludables de los consumidores.

**Fecha de observaciones:** (5)

**Notificación:** 2020/00083/PL

Proyecto de Reglamento del Ministro de Agricultura y Desarrollo Rural, por el que se modifica el Reglamento relativo al etiquetado de determinados tipos de productos alimenticios.

**Fecha de observaciones:** 25/05/2020

#### REINO UNIDO

**Notificación:** 2020/00053/UK

Proyecto de Reglamento de 2020 sobre los requisitos nutricionales para alimentos y bebidas en las escuelas (Escocia).

**Fecha de observaciones:** 12/05/2020

**Notificación:** 2020/00070/UK

Proyecto de Requisito de interfaz 2030/1/50 del Reino Unido aplicable a los dispositivos de corto alcance (DCA) no específicos que funcionan en las bandas de 116-122 GHz, 178,4-182 GHz y 185-190 GHz.

**Fecha de observaciones:** 19/05/2020

**Notificación:** 2020/00071/UK

Proyecto de requisito de interfaz 2106 del Reino Unido aplicable a los servicios de comunicaciones electrónicas (SCE) que funcionan en las bandas de 116-122 GHz, 178,4-182 GHz y 185-190 GHz.

**Fecha de observaciones:** 19/05/2020

#### SUECIA

**Notificación:** 2020/00064/S

Proyecto de reglamento (SJVFS 2020) de la Dirección General de Agricultura relativo a al marcado de la madera con la marca KD 56 °C/30 min.

**Fecha de observaciones:** 18/05/2020

# Procedimientos de Información

- (1) Los textos traducidos al español de los proyectos que se relacionan a continuación se encuentran 60 días antes de la fecha límite para presentar observaciones, salvo los indicados en esta relación con el número (7) en Internet. El sitio Web está en Europa en la siguiente dirección: <http://ec.europa.eu/growth/tools-databases/tris/es/>
- (2) Año – número de registro- Estado miembro autor.
- (3) Plazo durante el cual no podrá adoptarse el proyecto.
- (4) No hay periodo de statu quo por haber aceptado la Comisión los motivos de urgencia alegados por el Estado miembro autor.
- (5) No hay periodo de statu quo por tratarse de especificaciones técnicas u otros requisitos vinculados a medidas fiscales o financieras con arreglo al tercer guión del párrafo segundo del apartado f) del punto 1 del artículo 1 de la Directiva (UE) 2015/1535.
- (6) Cerrado procedimiento de información por retirada del Estado Miembro autor.
- (7) No hay traducción disponible de estos textos en español en el sitio Web, pero si en inglés y francés, 45 días antes de la fecha límite para presentar observaciones.
- (8) El texto se corresponde con una norma internacional o europea, la cual está a disposición del público en las oficinas de AENOR INTERNACIONAL S.A.U., bajo la forma de la norma UNE correspondiente.
- (9) No hay todavía establecido periodo de statu quo al estar pendiente de examinar por la Comisión los motivos de urgencia alegados por el Estado miembro autor.

## Relación de los responsables de los puntos de contacto, Directiva (UE) 2015/1535, de los diferentes Departamentos ministeriales, a quienes puede solicitarse información o trasladar comentarios al respecto.

<p><b>MINISTERIO DE AGRICULTURA, PESCA Y ALIMENTACIÓN</b> Subdirección General de Relaciones Agrarias Internacionales D. Borja Moscoso del Prado Subdirección General de Relaciones Internacionales y Asuntos Comunitarios Paseo Infanta Isabel, 1. 28071 Madrid, España Tfno.: 913 474 533 e-mail: fbmoscoso@mapama.es mjtorre@mapama.es Bzn-D2015.1535@mapama.es</p>	<p><b>MINISTERIO DE CIENCIA E INNOVACIÓN</b> Felipe Formariz, Subdirector General de Coordinación y Relaciones Institucionales de la Secretaría de Estado de Universidades, Investigación, Desarrollo e Innovación. Dirección: Pº de la Castellana, 162 Código Postal: 28071 Localidad: Madrid E-MAIL: felipe.formariz@ciencia.gob.es Email Corporativo: sgcri@ciencia.gob.es</p>	<p><b>MINISTERIO DE TRABAJO Y ECONOMÍA SOCIAL</b> Subdirección General de Relaciones Internacionales Socio-laborales Dña. Paloma de Miguel de la Calle Tfno.: 913 633 878 Fax: 913 638 884 e-mail: pmiguel@mitramiss.es buzón: sgrsi@mitramiss.es</p>
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<p><b>MINISTERIO DE ASUNTOS EXTERIORES, UNIÓN EUROPEA Y COOPERACIÓN</b> Secretaría de Estado para la Unión Europea Subdirección General de Asuntos Industriales, Energéticos, de Transportes y Comunicaciones, y de Medio Ambiente Punto de Contacto Central Directiva (UE) 2015/1535 D. Elena García Fiñana Tfno.: 913 798 464; Fax: 913 798 401 e-mail: d83-189@maec.es</p>	<p><b>MINISTERIO DE INDUSTRIA COMERCIO Y TURISMO</b> Gloria Díaz Mesanza Consejero Técnico 91-3494097 gdiaz@mincotures.es Clara Randulfe crandulfe@mincotures.es Buzón asociado a la directiva: relinter@mincotures ( para información específica de la directiva, como petición de acceso a documentación, preguntas de la Comisión...) Buzón más general: industria9834@mincotur.es (para información general de normativa, como la revista)</p>	<p><b>MINISTERIO DE DEFENSA</b> Secretaría General Técnica Salvador de la Puente Fernández Paseo de la Castellana, 109 28071 MADRID Tfno.: 912 132 355 e-mail: pronor@oc.mde.es</p>
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<p><b>MINISTERIO DE EDUCACIÓN Y FORMACIÓN PROFESIONAL</b> Fernando Zapico Teijeiro, Jefe de Área de Relaciones Internacionales e Institucionales Subdirección General de Cooperación Internacional y Promoción Exterior Educativa, MEFP Paseo del Prado 28, Tercera Planta Tel.+34-915 065 421 Ext.65421 jfernando.zapico@educacion.gob.es</p>		<p><b>SECRETARÍA DE ESTADO PARA LA SOCIEDAD DE LA INFORMACIÓN Y LA AGENDA DIGITAL</b> Subdirección General de Redes y Operadores de Telecomunicaciones Emilio García Tfno.: 913 3462391 egarciag@mineco.es</p>



## Organización Mundial del Comercio

### FEBRERO

#### BRASIL

**Notificación: G/TBT/N/BRA/987**

Draft Normative Instruction number 786, 6 March 2020.

Comment form: [http://formsus.datasus.gov.br/site/formulario.php?id\\_aplicacao=54602](http://formsus.datasus.gov.br/site/formulario.php?id_aplicacao=54602)

This draft normative instruction establishes the updating of the lists of constituents, limits of use, health claim, and labelling for food supplements. Please, find the attached file containing the text of the draft resolution.

**Objeto y razón de ser:** Protección de la salud o seguridad humana.

**Notificación: G/TBT/N/BRA/988**

Resolution – RDC number 349, 19 March 2020

This Resolution establishes extraordinary and temporary criteria and procedure for the handling of petitions for the market authorization of individual protection equipment, lung ventilator equipment, and another medical devices identified as strategic by Anvisa, due to the international public health emergency of the new coronavirus (Covid-19).

**Objeto y razón de ser:** Protección de la salud o seguridad humana.

**Notificación: G/TBT/N/BRA/989**

Resolution – RDC number 350, 19 March 2020

This resolution establishes exceptional criteria and procedure for the manufacturing and sale of antiseptic preparations and sanitizers without previous market authorization from Anvisa and provides other measures due to the international public health emergency related to the SARS-CoV-2.

**Objeto y razón de ser:** Protección de la salud o seguridad humana.

**Notificación: G/TBT/N/BRA/990**

Resolution – RDC number 348, 17 March 2020

This resolution establishes exceptional and temporary criteria and procedure for the processing of petitions for the market authorization of medicines, biological products, and in vitro diagnosis products; and for the post-market authorization of medicines and biological

products due to the international public health emergency of the new coronavirus (Covid-19).

**Objeto y razón de ser:** Protección de la salud o seguridad humana.

#### JAPÓN

**Notificación: G/TBT/N/JPN/657**

Revision of the administrative rule of the Official Standards for Fertilizers

Considering technical advancement and needs for complex fertilizers, the MAFF will revise the administrative rule of the Official standards for fertilizer in order to achieve the progress and sustainability of agricultural productivity and to protect human health. The following agricultural chemicals will be permitted to add a fertilizer as the official standards (Annex 1). (RS)-1-methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine potassium(R)-2-(4-chloro-o-tolyloxy)propionate and 2,6-dichlorobenzonitrile.

**Objeto y razón de ser:** Protección de la salud o seguridad humana, Reducción de costos.

#### SUECIA

**Notificación: G/TBT/N/SWE/136**

Ordinance amending the Fuel Ordinance (2011:346)

The relevant provisions are Sections 11 a–11 c in Annex 2. Those engaged in the commercial activity of providing a liquid or gaseous fuel, or who in that commercial activity also provide electricity as a fuel, shall provide the consumer with environmental information about the fuel that is being provided. For the purposes of this ordinance environmental information about the fuel means information about a fuel's emission of greenhouse gases over its life cycle, which fossil raw materials or renewable raw materials are contained in the fuel, and the country of origin of these raw materials. The information is based on data that is mandatory for the fuel supplier to report to the competent authority every calendar year. The yearly reporting requirements are laid down in national legislation as well as EU legislation. The relevant information is to be made available in its entirety on the fuel supplier's website. Certain information shall be made available to the consumers on a declaration which is affixed to the devices that are used by the companies to enable consumers to refill such fuels. The information on the declaration shall be given in abbreviated form – the fuel's emissions of greenhouse gases over its life cycle and which fossil raw materials or renewable raw materials are contained in the fuel – or through a reference to the fuel supplier's website – the country of origin of the raw materials. The origin shall only be made available to the consumers on the fuel supplier's website. It shall be stated at the point of sale that the information concerns historical data about the fuel that is being sold and is not specific data about the fuel that is being provided at time of purchase.

**Objeto y razón de ser:** Información al consumidor, Etiquetado, Protección del medio ambiente.

# UNE

Normalización Española

## Normas al día

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