



STANDARDIZAREA NAȚIONALĂ

STANDARDE APROBATE

Standardele române de mai jos au fost aprobate în luna **aprilie 2021**. Standardele române originale sunt notate cu **(E)**. Standardele europene și internaționale sunt adoptate ca standarde române prin metoda versiunii române **(T)**, metoda filei de confirmare **(FC)** sau metoda notei de confirmare **(A)**. Sub indicativul standardului este indicat numărul comitetului tehnic **(CT)** responsabil. Pentru standardele adoptate prin metoda filei de confirmare sau metoda notei de confirmare, textul standardului nu este publicat în versiune română. Versiunile originale ale acestor standarde pot fi procurate de la Asociația de Standardizare din România.

În această rubrică sunt cuprinse, de asemenea, amendamente și erate ale standardelor române.

În cazul în care un standard aprobat înlocuiește și anulează unul sau mai multe standarde existente, indicativul/indicativele acestora sunt indicate după titlul standardului respectiv.

Informații privind standardele anulate sunt date în rubrica **STANDARDE ANULATE**.

11.040.50 Echipament radiologic
SR EN 60601-1-3:2008 **NCT**
Aparate electromedicale. Partea 1-3: Cerințe particulare de securitate de bază și performanțe esențiale - Standard colateral: Protecția împotriva radiației la aparatele de diagnostic cu radiații X

Data aprobării: 15.09.2008
Data traducerii: 29.04.2021

13.020.40 Poluare, controlul poluării și protecția mediului
SR EN ISO 14090:2019 **NCT**
Adaptare la schimbările climatice. Principii, cerințe și linii directe
Data aprobării: 29.11.2019
Data traducerii: 15.04.2021

13.280 Protecția contra radiațiilor
SR EN 60601-1-3:2008 **NCT**
Aparate electromedicale. Partea 1-3: Cerințe particulare de securitate de bază și performanțe esențiale - Standard colateral: Protecția împotriva radiației la aparatele de diagnostic cu radiații X

Data aprobării: 15.09.2008
Data traducerii: 29.04.2021

13.300 Protecția contra produselor periculoase
SR EN ISO 16495:2014 **NCT**
Ambalaje. Ambalaje de transport pentru mărfuri periculoase. Metode de încercare
Data aprobării: 31.01.2014
Data traducerii: 29.04.2021

23.040.10 Țevi și tuburi din fontă și oțel
SR EN 10217-4:2019 **NCT**
Țevi din oțel, sudate, utilizate la presiune. Condiții tehnice de livrare. Partea 4: Țevi din oțel nealiat, sudate electric prin presiune în linie, cu caracteristici specificate la temperatură scăzută
Data aprobării: 30.09.2019
Data traducerii: 29.04.2021

SR EN 10217-5:2019 **NCT**
Țevi din oțel, sudate, utilizate la presiune. Condiții tehnice de livrare. Partea 5: Țevi din oțel nealiat și aliat, sudate cu arc electric sub strat de flux, cu caracteristici specificate la temperatură ridicată
Data aprobării: 30.09.2019
Data traducerii: 29.04.2021

SR EN 10217-6:2019 **NCT**
Țevi din oțel, sudate, utilizate la presiune. Condiții tehnice de livrare. Partea 6: Țevi din oțel nealiat, sudate cu arc electric sub strat de flux, cu

caracteristici specificate la temperatură scăzută

Data aprobării: 30.09.2019

Data traducerii: 29.04.2021

25.040.40 Măsurarea și controlul proceselor industriale

SR EN 61158-5-21:2012

NCT

Rețele de comunicație industriale. Specificații ale magistralei de câmp. Partea 5-21: Definiere a serviciilor stratului Aplicație. Elemente de tip 21

Data aprobării: 29.11.2012

Data traducerii: 29.04.2021

Inlocuit prin SR EN IEC 61158-5-21:2019

27.080 Pompe de căldură

SR EN 14511-3:2018

NCT

Aparate de condiționat aerul, grupuri de răcire pentru lichide și pompe de căldură pentru încălzirea și răcirea spațiilor și răcitoare industriale, cu compresoare antrenate prin motor electric. Partea 3: Metode de încercare

Data aprobării: 31.08.2018

Data traducerii: 29.04.2021

29.020 Electrotehnică în general

SR EN IEC 61293:2020

NCT

Marcarea aparatelor electrice cu caracteristicile nominale referitoare la alimentarea electrică.

Prescripții de securitate

Data aprobării: 30.06.2020

Data traducerii: 29.04.2021

29.120.50 Siguranțe fuzibile și alte aparate de protecție la scurtcircuit

SR EN 61008-1:2013/A12:2017

NCT

Înteruptoare automate de curent diferențial rezidual fără protecție încorporată la supracurenți pentru uz casnic și similar (ID). Partea 1: Reguli generale

Data aprobării: 22.12.2017

Data traducerii: 29.04.2021

29.130.20 Aparate de conectare și comandă de joasă tensiune

SR EN 62026-2:2013/A1:2020

NCT

Aparataj de joasă tensiune. Interfețe aparate de comandă-aparate (CDI). Partea 2: Interfață sensor-organ de comandă (AS-i)

Data aprobării: 31.03.2020

Data traducerii: 29.04.2021

SR EN 62026-3:2015/A11:2020

NCT

Aparataj de joasă tensiune. Interfețe aparate de

comandă-aparate (CDI). Partea 3: DeviceNet

Data aprobării: 31.07.2020

Data traducerii: 29.04.2021

35.100.70 Strat aplicare

SR EN 61158-5-21:2012

NCT

Rețele de comunicație industriale. Specificații ale magistralei de câmp. Partea 5-21: Definiere a serviciilor stratului Aplicație. Elemente de tip 21

Data aprobării: 29.11.2012

Data traducerii: 29.04.2021

Inlocuit prin SR EN IEC 61158-5-21:2019

35.110 Rețele

SR EN 61158-5-21:2012

NCT

Rețele de comunicație industriale. Specificații ale magistralei de câmp. Partea 5-21: Definiere a serviciilor stratului Aplicație. Elemente de tip 21

Data aprobării: 29.11.2012

Data traducerii: 29.04.2021

Inlocuit prin SR EN IEC 61158-5-21:2019

35.240.67 Aplicații IT în clădiri și industria de construcții

SR EN 14908-4:2014

NCT

Rețea deschisă de comunicații de date pentru automatizarea, controlul și managementul clădirilor. Protocol de control al rețelei. Partea 4: Comunicație prin IP

Data aprobării: 30.09.2014

Data traducerii: 29.04.2021

45.040 Materiale și componente pentru căi ferate

SR EN 16452+A1:2019

NCT

Aplicații feroviare. Frânare. Saboți de frână

Data aprobării: 30.08.2019

Data traducerii: 29.04.2021

SR EN 16185-2+A1:2020

NCT

Aplicații feroviare. Sisteme de frânare pentru trenuri automotoare. Partea 2: Metode de încercare

Data aprobării: 31.03.2020

Data traducerii: 29.04.2021

SR EN 16185-1+A1:2020

NCT

Aplicații feroviare. Sisteme de frânare pentru trenuri automotoare. Partea 1: Cerințe și definiții

Data aprobării: 30.06.2020

Data traducerii: 29.04.2021

45.060.01 Material rulant pentru căi ferate

în general**SR EN 14067-4+A1:2019** **NCT**

Aplicații feroviare. Aerodinamică. Partea 4: Cerințe și proceduri de încercare pentru aerodinamica în câmp deschis

Data aprobării: 31.05.2019

Data traducerii: 29.04.2021

SR EN 15877-1+A1:2019 **NCT**

Aplicații feroviare. Marcarea vehiculelor feroviare. Partea 1: Vagoane de marfă

Data aprobării: 31.05.2019

Data traducerii: 29.04.2021

SR EN 16186-1+A1:2019 **NCT**

Aplicații feroviare. Cabină de conducere. Partea 1: Date antropometrice și vizibilitate

Data aprobării: 31.05.2019

Data traducerii: 29.04.2021

SR EN 16452+A1:2019 **NCT**

Aplicații feroviare. Frânare. Saboți de frână

Data aprobării: 30.08.2019

Data traducerii: 29.04.2021

SR EN 16207+A1:2020 **NCT**

Aplicații feroviare. Frânare. Criterii de performanță și funcționare ale sistemelor de frânare magnetică pentru vehicule feroviare

Data aprobării: 31.03.2020

Data traducerii: 29.04.2021

55.020 **Ambalaje și distribuirea mărfurilor în general****SR EN ISO 16495:2014** **NCT**

Ambalaje. Ambalaje de transport pentru mărfuri periculoase. Metode de încercare

Data aprobării: 31.01.2014

Data traducerii: 29.04.2021

77.140.75 **Țevi și tuburi din oțel pentru utilizări speciale****SR EN 10217-4:2019** **NCT**

Țevi din oțel, sudate, utilizate la presiune. Condiții tehnice de livrare. Partea 4: Țevi din oțel nealiat, sudate electric prin presiune în linie, cu caracteristici specificate la temperatură scăzută

Data aprobării: 30.09.2019

Data traducerii: 29.04.2021

SR EN 10217-5:2019 **NCT**

Țevi din oțel, sudate, utilizate la presiune. Condiții tehnice de livrare. Partea 5: Țevi din oțel nealiat și aliat, sudate cu arc electric sub strat de flux, cu caracteristici specificate la temperatură ridicată

Data aprobării: 30.09.2019

Data traducerii: 29.04.2021

SR EN 10217-6:2019 **NCT**

Țevi din oțel, sudate, utilizate la presiune. Condiții tehnice de livrare. Partea 6: Țevi din oțel nealiat, sudate cu arc electric sub strat de flux, cu caracteristici specificate la temperatură scăzută

Data aprobării: 30.09.2019

Data traducerii: 29.04.2021

79.120.10 **Mașini pentru prelucrarea lemnului****SR EN 1870-6:2018** **NCT**

Securitatea mașinilor pentru prelucrarea lemnului. Ferăstraie circulare. Partea 6: Ferăstraie circulare pentru tăierea lemnului de foc

Data aprobării: 30.04.2018

Data traducerii: 29.04.2021

91.140.01 **Instalații în clădiri în general****SR EN 14908-4:2014** **NCT**

Rețea deschisă de comunicații de date pentru automatizarea, controlul și managementul clădirilor. Protocol de control al rețelei. Partea 4: Comunicație prin IP

Data aprobării: 30.09.2014

Data traducerii: 29.04.2021

91.140.30 **Ventilație și climatizare****SR EN 14511-3:2018** **NCT**

Aparate de condiționat aerul, grupuri de răcire pentru lichide și pompe de căldură pentru încălzirea și răcirea spațiilor și răcitoare industriale, cu compresoare antrenate prin motor electric. Partea 3: Metode de încercare

Data aprobării: 31.08.2018

Data traducerii: 29.04.2021

97.120 **Comenzi automate de uz casnic****SR EN 14908-4:2014** **NCT**

Rețea deschisă de comunicații de date pentru automatizarea, controlul și managementul clădirilor. Protocol de control al rețelei. Partea 4: Comunicație prin IP

Data aprobării: 30.09.2014

Data traducerii: 29.04.2021

97.140 **Mobilă****SR EN 1272:2017** **NCT**

Articole de puericultură. Scaun atașabil la masă. Cerințe de securitate și metode de încercare

97.190 Echipamente pentru copii

SR EN 1272:2017 NCT

Articole de puericultură. Scaun atașabil la masă.

Cerințe de securitate și metode de încercare

Data aprobarii: 31.10.2017

Data traducerii: 15.04.2021

SR EN 13209-2:2016 NCT

Articole de puericultură. Port-bebe. Cerințe de securitate și metode de încercare. Partea 2: Port-bebe moale

Data aprobarii: 31.05.2016

Data traducerii: 15.04.2021

STANDARDE ANULATE

Standardele române de mai jos au fost anulate în luna aprilie 2021, fie prin înlocuire, fie printr-o decizie de anulare.

Pentru standardele anulate prin înlocuire sunt precizate și standardele înlocuitoare.

01.040.03 Servicii. Organizarea întreprinderilor, management și calitate . Administrare. Transport. Sociologie. (Vocabulare)

SR EN ISO 22300:2018 A

Securitate și reziliență. Vocabular

Inlocuit prin SR EN ISO 22300:2021

01.040.73 Mine și minereuri (Vocabulare)

SR ISO 1213-1:1995 T

Combustibili minerali solizi. Vocabular. Partea 1:

Termeni referitori la prepararea cărbunelui

03.080.30 Servicii pentru consumatori

SR ISO 10667-1:2018 FC

Furnizarea unui serviciu de evaluare. Proceduri și metode de evaluare a persoanelor la lucru și parametri organizaționali. Partea 1: Cerințe pentru client

Inlocuit prin SR ISO 10667-1:2021

03.100.01 Organizarea și managementul întreprinderii în general

SR EN ISO 22300:2018 A

Securitate și reziliență. Vocabular

Inlocuit prin SR EN ISO 22300:2021

03.100.40 Cercetare și dezvoltare

SR ISO 21500:2014 T

Linii directoare pentru managementul de proiect

Inlocuit prin SR ISO 21500:2021

SR EN 60300-1:2006 A

Managementul siguranței în funcționare. Partea 1: Sisteme de management al siguranței în funcționare

Inlocuit prin SR EN 60300-1:2015

03.100.70 Sisteme de management

SR ISO/TR 10013:2003 T

Linii directoare pentru documentația sistemului de management al calității

Inlocuit prin SR ISO 10013:2021

03.120.01 Calitate în general

SR EN 60300-1:2006 A

Managementul siguranței în funcționare. Partea 1: Sisteme de management al siguranței în funcționare

Inlocuit prin SR EN 60300-1:2015

03.220.20 Transport rutier

SR EN ISO 13143-1:2017 A

Colectarea electronică a taxei. Evaluarea echipamentelor de la bordul vehiculelor și de la sol, pentru conformitatea cu ISO 12813. Partea 1: Structura seriei de încercări și scopul încercărilor

Inlocuit prin SR EN ISO 13143-1:2021

11.040.40 Implanturi chirurgicale, proteze și orteze

SR EN ISO 5840-3:2013 **A**

Implanturi cardiovasculare. Proteze pentru valve cardiace. Partea 3: Înlocuitori de valve cardiace implantați prin tehnici transcater

Inlocuit prin SR EN ISO 5840-3:2021

SR EN ISO 5840-1:2016 **A**

Implanturi cardiovasculare. Proteze pentru valve cardiace. Partea 1: Cerințe generale

Inlocuit prin SR EN ISO 5840-1:2021

SR EN ISO 5840-2:2016 **A**

Implanturi cardiovasculare. Proteze pentru valve cardiace. Partea 2: Înlocuitori de valve cardiace implantați chirurgical

Inlocuit prin SR EN ISO 5840-2:2021

11.060.10 Materiale dentare

SR EN ISO 4823:2016 **A**

Stomatologie. Materiale pentru amprente, pe bază de elastomeri

Inlocuit prin SR EN ISO 4823:2021

SR EN ISO 15854:2006 **A**

Stomatologie. Ceară pentru turnare și placă de bază

Inlocuit prin SR EN ISO 15854:2021

13.040.20 Aer ambiant

SR CEN/TS 16429:2016 **T**

Emisii de la surse fixe. Prelevarea și determinarea conținutului de acid clorhidric din conducte și coșuri de dispersie. Tehnică analitică în infraroșu

Inlocuit prin SR EN 16429:2021

13.040.30 Aerul la locul de muncă

SR EN 482+A1:2016 **A**

Expunere la locul de muncă. Cerințe generale pentru performanța procedurilor de măsurare a agenților chimici

Inlocuit prin SR EN 482:2021

13.060.30 Ape uzate

SR ISO 5667-10:1994 **T**

Calitatea apei. Prelevare. Partea 10: Ghid pentru prelevarea apelor uzate

Inlocuit prin SR ISO 5667-10:2021

13.260 Protecția contra electrocutării

SR EN 50272-1:2011 **A**

Prescripții de securitate pentru acumulatori și instalații pentru baterii. Partea 1: Informații generale de securitate

Inlocuit prin SR EN IEC 62485-1:2019

13.280 Protecția contra radiațiilor

SR EN ISO 28057:2019 **A**

Dozimetrie cu detectori de termoluminescență solizi pentru fotoni și radiații de electroni în radioterapie

Inlocuit prin SR EN ISO 28057:2021

17.140.30 Zgomot emis de mijloace de transport

SR EN 1793-6:2018 **A**

Dispozitive pentru reducerea zgomotului din traficul rutier. Metodă de încercare pentru determinarea performanței acustice. Partea 6: Caracteristici intrinseci. Valori in situ ale izolației la zgomote aeriene în condiții de câmp acustic direct

Inlocuit prin SR EN 1793-6+A1:2021

17.220.20 Măsurări de mărimi electrice și magnetice

SR EN 60044-7:2001 **FC**

Transformatoare de măsură. Partea 7: Transformatoare de tensiune electronice

17.220.99 Alte standarde referitoare la electricitate și magnetism

SR HD 480 S1:2002 **FC**

Metodă de încercare pentru evaluarea duranței termice a materialelor sub formă de folii flexibile prin metoda de înfășurare pe tub

19.040 Încercări de mediu

SR HD 478.2.7 S1:2004 **T**

Clasificarea condițiilor de mediu. Partea 2: Condiții de mediu prezente în natură. Faună și floră

Inlocuit prin SR EN IEC 60721-2-7:2018

21.020 Caracteristici și proiectarea mașinilor, aparatelor și echipamentelor

SR EN 60300-1:2006 **A**

Managementul siguranței în funcționare. Partea 1: Sisteme de management al siguranței în funcționare

23.020.35 Butelii de gaz

SR EN 14876:2007 A

Butelii transportabile pentru gaz. Verificare periodică și încercări pentru butoaie sub presiune, sudate, din oțel

23.040.60 Flanșe, cuplaje și alte îmbinări

SR EN 13555:2014 A

Flanșe și asamblările lor. Parametri garniturilor și metode de încercare referitoare la regulile de asamblare ale flanșelor rotunde

Inlocuit prin SR EN 13555:2021

23.040.80 Etanșări pentru țevi și furtunuri flexibile

SR EN 13555:2014 A

Flanșe și asamblările lor. Parametri garniturilor și metode de încercare referitoare la regulile de asamblare ale flanșelor rotunde

Inlocuit prin SR EN 13555:2021

23.100.01 Transmisii hidraulice și pneumatice în general

SR ISO 9110-1:1997 T

Acționări hidraulice. Tehnici de măsurare. Partea 1: Principii generale de măsurare

SR ISO 9110-2:1997 T

Acționări hidraulice. Tehnici de măsurare. Partea 2: Măsurarea presiunii medii în regim permanent într-o conductă închisă

25.040.20 Mașini cu comandă numerică

SR EN ISO 17296-4:2017 A

Fabricație aditivă. Principii generale. Partea 4: Vedere de ansamblu a procesării datelor

Inlocuit prin SR EN ISO/ASTM 52950:2021

25.160.30 Mașini de sudare

SR ISO 5829:1993 T

Sudare electrică prin presiune în puncte. Corpuri pentru electrod cu cap amovibil (con inferior 1/10)

Inlocuit prin SR EN ISO 5829:2021

SR ISO 5830:1993 T

Sudare electrică prin presiune în puncte. Capete amovibile cu con exterior pentru electrod

Inlocuit prin SR EN ISO 5830:2021

27.160 Energie solară

SR EN 61730-1:2007/A2:2013 NCT

Calificare pentru securitatea în funcționare a modulelor fotovoltaice (PV). Partea 1: Cerințe de construcție

Inlocuit prin SR EN IEC 61730-1:2018

SR EN 61730-1:2007 NCT

Calificare pentru securitatea în funcționare a modulelor fotovoltaice (PV). Partea 1: Cerințe de construcție

Inlocuit prin SR EN IEC 61730-1:2018

SR EN 61730-1:2007/A1:2012 NCT

Calificare pentru securitatea în funcționare a modulelor fotovoltaice (PV). Partea 1: Cerințe de construcție

Inlocuit prin SR EN IEC 61730-1:2018

SR EN 61730-2:2007 NCT

Calificare pentru securitatea în funcționare a modulelor fotovoltaice (PV). Partea 2: Cerințe pentru încercări

Inlocuit prin SR EN IEC 61730-2:2018

SR EN 61730-2:2007/A1:2012 NCT

Calificare pentru securitatea în funcționare a modulelor fotovoltaice (PV). Partea 2: Cerințe de încercare

Inlocuit prin SR EN IEC 61730-2:2018

SR EN 61730-1:2007/A11:2015 NCT

Calificare pentru securitatea în funcționare a modulelor fotovoltaice (PV). Partea 1: Cerințe de construcție

Inlocuit prin SR EN IEC 61730-1:2018

27.190 Energie biologică și alte surse de energie alternativă

SR EN ISO 17225-3:2014 NCT

Biocombustibili solizi. Specificații și clase de combustibili. Partea 3: Clase de brichete din lemn

Inlocuit prin SR EN ISO 17225-3:2021

SR EN ISO 17225-4:2014 NCT

Biocombustibili solizi. Specificații și clase de combustibili. Partea 4: Clase de așchii din lemn

Inlocuit prin SR EN ISO 17225-4:2021

29.020 Electrotehnică în general

SR HD 384.7.753 S1:2003 T

Instalații electrice în construcții. Partea 7: Prescripții pentru instalații și amplasamente speciale. Secțiunea 753: Sisteme de încălzire în pardoseală sau tavan

Inlocuit prin SR HD 60364-7-753:2015

29.035.01 Materiale electroizolante în general**SR HD 480 S1:2002 FC**

Metodă de încercare pentru evaluarea anduranței termice a materialelor sub formă de folii flexibile prin metoda de înfășurare pe tub

STAS 2740-69 E

Materiale electroizolante. Metode pentru determinarea permitivității și a tangentei unghiului de pierderi dielectrice

Inlocuit prin SR EN IEC 62631-2-1:2018

29.035.20 Materiale electroizolante din materiale plastice și cauciuc**SR HD 523.3.201 S1:2002 FC**

Specificație pentru tuburi electroizolante flexibile. Partea 3: Specificații particulare ale tipurilor individuale de tuburi. Fila 201: Tub flexibil termocontractabil de PVC reticulat, pentru uz general, cu raport de contractare de 2:1

29.060.20 Cabluri**SR CEI 60502-1:2006 T**Cabluri de energie cu izolație extrudată și accesoriile lor pentru tensiuni nominale de la 1 kV ($U_m = 1,2$ kV) până la 30 kV ($U_m = 36$ kV). Partea 1: Cabluri pentru tensiuni nominale de 1 kV ($U_m = 1,2$ kV) și 3 kV ($U_m = 3,6$ kV)**SR CEI 60502-1:2006/A1:2019 T**Cabluri de energie cu izolație extrudată și accesoriile lor pentru tensiuni nominale de la 1 kV (U_m egal cu 1,2 kV) până la 30 kV (U_m egal cu 36 kV). Partea 1: Cabluri pentru tensiuni nominale de 1 kV (U_m egal cu 1,2 kV) și 3 kV (U_m egal cu 3,6 kV).**29.080.01 Izolații electrice în general****SR EN 60071-2:1999 T**Coordonarea izolației. Partea 2: Ghid de aplicare
Inlocuit prin SR EN IEC 60071-2:2018**29.100.10 Componente magnetice****SR EN 62317-7:2006 A**

Miezuri de ferită. Dimensiuni. Partea 7: Miezuri EER

Inlocuit prin SR EN IEC 63093-7:2018

29.130.20 Aparate de conectare și comandă de joasă tensiune**SR EN 50272-1:2011 A**

Prescripții de securitate pentru acumuloare și instalații pentru baterii. Partea 1: Informații generale de securitate

Inlocuit prin SR EN IEC 62485-1:2019

29.140.40 Corpuri de iluminat**SR EN 60598-2-9:2002 T**

Corpuri de iluminat. Partea 2: Condiții speciale. Secțiunea 9: Corpuri de iluminat pentru tehnica fotografică și cinematografică (neprofesionale)

SR EN 60598-2-9:2002/A1:2002 T

Corpuri de iluminat. Partea 2: Condiții speciale. Secțiunea 9: Corpuri de iluminat pentru tehnica fotografică și cinematografică (neprofesionale)

29.220.20 Acumuloare și baterii acide**SR EN 50272-2:2003 T**

Prescripții de securitate pentru acumuloare și instalații pentru baterii. Partea 2: Baterii staționare

Inlocuit prin SR EN IEC 62485-2:2019

SR EN 50272-4:2007 NCT

Prescripții de securitate pentru acumuloare și instalații pentru baterii. Partea 4: Baterii de acumuloare utilizate în aparate portabile

Inlocuit prin SR EN IEC 62485-4:2019

31.220.10 Fișe. Conectoare**SR EN 122003:2002 FC**

Specificație particulară cadru pentru pregătirea specificațiilor particulare pentru client (CDS) și specificații particulare pentru produse standardizate cu aprobarea capacității

33.020 Telecomunicații în general**SR EN 303 204 V2.1.2:2016 A**

Dispozitive în rețea cu rază mică de acțiune (SRD). Echipamente radio destinate utilizării în domeniul de frecvență de la 870 MHz până la 876 MHz cu o putere de emisie de maximum 500 mW. Standard armonizat care acoperă cerințele esențiale ale articolului 3.2 din Directiva 2014/53/EU

Inlocuit prin SR EN 303 204 V3.1.1:2021

SR EN 301 489-50 V2.2.1:2019 A

Standard de compatibilitate electromagnetică (CEM) pentru echipamente radio și servicii. Partea 50: Condiții specifice ale stațiilor de bază (BS), repetoarelor și echipamentelor auxiliare pentru comunicații celulare. Standard armonizat acoperind cerințele esențiale ale articolului 3.1 (b) al Directivei 2014/53/UE

33.060.20 Echipamente de primire și de transmitere date

SR EN 60244-1:2003 FC
Metode de măsurare aplicabile emițătoarelor radio. Partea 1: Caracteristici generale ale emițătoarelor de radiodifuziune

SR EN 60244-10:2003 FC
Metode de măsurare aplicabile emițătoarelor radio. Partea 10: Metode de măsurare aplicabile emițătoarelor și retranslatoarelor de televiziune care utilizează semnalele de inserție

SR EN 60244-11:2003 FC
Metode de măsurare aplicabile emițătoarelor radio. Partea 11: Retranslatoare pentru radiodifuziune sonoră cu modulație de frecvență

SR EN 60244-12-1:2003 FC
Metode de măsurare aplicabile emițătoarelor radio. Partea 12: Ghid de redactare a specificațiilor pentru emițătoarele și retranslatoarele de televiziune și de radiodifuziune sonoră. Caracteristici de specificat

SR EN 60244-12-2:2003 FC
Metode de măsurare aplicabile emițătoarelor radio. Partea 12: Ghid de redactare a specificațiilor pentru emițătoarele și retranslatoarele de televiziune și de radiodifuziune sonoră. File de specificație

SR EN 60244-13:2003 FC
Metode de măsurare aplicabile emițătoarelor radio. Partea 13: Calitățile de funcționare ale emițătoarelor de radiodifuziune sonoră cu modulație de frecvență

SR EN 60244-14:2003 FC
Metode de măsurare aplicabile emițătoarelor radio. Partea 14: Produse de intermodulație, în exteriorul canalului, provocate de două sau mai multe emițătoare care utilizează aceeași antenă sau antene adiacente

SR EN 60244-15:2003 FC
Metode de măsurare aplicabile emițătoarelor radio. Partea 15: Emițătoare de radiodifuziune sonoră cu modulație de amplitudine

SR EN 60244-5:2003 FC
Metode de măsurare aplicabile emițătoarelor radio. Partea 5: Calitățile de funcționare ale emițătoarelor de televiziune

SR EN 60244-8:2003 FC
Metode de măsurare aplicabile emițătoarelor radio. Partea 8: Calitățile de funcționare ale

demodulatele cu bandă laterală reziduală utilizate pentru încercările emițătoarelor și retranslatoarelor de televiziune

SR EN 60244-9:2003 FC
Metode de măsurare aplicabile emițătoarelor radio. Partea 9: Calitatea de funcționare a retranslatoarelor de televiziune

SR EN 62273-1:2007 A
Metode de măsurare aplicabile emițătoarelor radio. Partea 1: Caracteristici de funcționare ale emițătoarelor de televiziune digitale terestre

SR EN 62272-2:2007 A
Radiodifuziune digitală mondială (DRM). Partea 2: Radiodifuziune digitală în benzile de frecvențe sub 30 MHz. Metode de măsurare aplicabile emițătoarelor DRM

SR EN 62803:2017 A
Echipamente de emisie pentru radiocomunicații. Răspuns în frecvență a dispozitivelor de conversie opto-electrice în radio înaltă-frecvență pe sistemele de fibre. Metodă de măsurare

SR EN 62802:2018 A
Metodă de măsurare a unei tensiuni cu jumătate lungime de undă și a parametrului Chirp pentru modulatorul optic Mach-Zehnder în sisteme de fibre de frecvență radio înaltă (Rof)

33.100.01 Compatibilitate electromagnetică în general

SR EN 61566:2003 FC
Măsurarea expunerii la câmpuri electromagnetice de radiofrecvență. Intensificarea câmpului în domeniul frecvențelor cuprinse între 100 kHz și 1 GHz

33.120.10 Cabluri coaxiale. Ghiduri de undă

SR EN 122002:2002 FC
Specificație particulară cadru: Conectoare coaxiale pentru radiofrecvență

33.120.30 Conectoare pentru frecvențe radio

SR EN 122170:2002 FC
Specificație intermediară: Conectoare coaxiale pentru radiofrecvență. Seria SSMB

SR EN 122130:2002 FC
Specificație intermediară: Conectoare coaxiale

pentru radiofrecvență. Seria SMB

SR EN 122160:2002

FC

Specificație intermediară: Conectoare coaxiale pentru radiofrecvență. Seria SSMA

SR EN 122180:2002

FC

Specificație intermediară: Conectoare coaxiale pentru radiofrecvență. Seria SSMC

SR EN 122120:2002

FC

Specificație intermediară: Conectoare coaxiale pentru radiofrecvență. Seria BNC

SR EN 122150:2002

FC

Specificație intermediară: Conectoare coaxiale pentru radiofrecvență. Seria brida EIA

SR EN 122140:2002

FC

Specificație intermediară: Conectoare coaxiale pentru radiofrecvență. Serie SMC

SR EN 122190:2002

FC

Specificație intermediară: Conectoare coaxiale pentru radiofrecvență. Seria 7-16

SR EN 122200:2002

FC

Specificație intermediară: Conectoare coaxiale pentru radiofrecvență. Seria TNC

SR EN 122110:2002

FC

Specificație intermediară: Conectoare coaxiale pentru radiofrecvență. Seria SMA

33.160.20 Receptoare radio

SR EN 60864-2:2003

FC

Standardizarea interconexiunilor între emițătoarele sau sistemele de emițătoare de radiodifuziune și sistemele de telesupraveghere. Partea 2: Standarde de interfață pentru sistemele cu interconexiuni canalizate

33.160.40 Sisteme video

SR EN 62106:2015

A

Specificație referitoare la sistemul de radiodifuziune de date (RDS) pentru radiodifuziune sonoră VHF/FM în domeniul de frecvențe de la 87,5 MHz până la 108,0 MHz

33.170 Sisteme de transmitere prin radio și televiziune

SR EN 62553:2013

A

Metode de măsurare pentru rețele digitale. Caracteristici ale performanțelor rețelei de transmisie digitală terestră cu conținut multimedia

33.180.99 Alte echipamente de transmitere prin fibre optice

SR EN 62802:2018

A

Metodă de măsurare a unei tensiuni cu jumătate lungime de undă și a parametrului Chirp pentru modulatorul optic Mach-Zehnder în sisteme de fibre de frecvență radio înaltă (Rof)

33.200 Telecomandă. Teleconducere

SR EN 60864-2:2003

FC

Standardizarea interconexiunilor între emițătoarele sau sistemele de emițătoare de radiodifuziune și sistemele de telesupraveghere. Partea 2: Standarde de interfață pentru sistemele cu interconexiuni canalizate

SR EN 61970-456:2014

A

Interfața programului de aplicații pentru sisteme de management al energiei (EMS-API). Partea 456: Profile de stare rezolvate ale rețelelor de alimentare

Inlocuit prin SR EN IEC 61970-456:2018

SR EN 61970-456:2014/A1:2016

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Interfața programului de aplicații pentru sisteme de management al energiei (EMS-API). Partea 456: Profile de stare rezolvată ale rețelelor de alimentare

Inlocuit prin SR EN IEC 61970-456:2018

SR EN 62325-301:2015

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Cadru de comunicații pentru piața de energie. Partea 301: Extinderea modelului comun de informații (CIM) pentru piețe

Inlocuit prin SR EN IEC 62325-301:2018

35.110 Rețele

SR EN 50346:2004

FC

Tehnologia informației. Instalarea cablării. Încercarea cablării instalate

SR EN 50346:2004/A1:2008

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Tehnologia informației. Instalarea cablării.
Încercarea cablării instalate

SR EN 50346:2004/A2:2010

A

Tehnologia informației. Instalarea cablării.
Încercarea cablării instalate

35.240.60 Aplicații IT în transport

SR EN ISO 13143-1:2017

A

Colectarea electronică a taxei. Evaluarea echipamentelor de la bordul vehiculelor și de la sol, pentru conformitatea cu ISO 12813. Partea 1: Structura seriei de încercări și scopul încercărilor
Inlocuit prin SR EN ISO 13143-1:2021

35.240.99 Aplicații IT în alte domenii

SR EN 13321-1:2013

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Rețele deschise de comunicații de date pentru automatizarea, controlul și managementul tehnic al clădirilor. Sisteme electronice pentru locuințe și clădiri. Partea 1: Cerințe pentru produse și sisteme

Inlocuit prin SR EN 13321-1:2021

43.020 Vehicule rutiere în general

SR EN ISO 20566:2013

A

Vopsele și lacuri. Determinarea rezistenței la zgâriere a sistemelor de acoperire într-o incintă de laborator pentru simularea spălării automobilelor

Inlocuit prin SR EN ISO 20566:2021

SR EN 13423:2002

FC

Exploatarea vehiculelor cu gaz natural comprimat
Inlocuit prin SR EN 13423:2021

43.040.40 Sisteme de frânare

SR ISO 4925:2007

T

Vehicule rutiere. Condiții pentru lichidele de frână în compoziția cărora nu intră produse petroliere, utilizate pentru sistemele hidraulice

43.060.01 Motoare cu combustie internă pentru vehicule rutiere în general

SR ISO 2534:2001

T

Vehicule rutiere. Cod de încercare a motoarelor.
Putere brută

SR ISO 1585:1998

T

Vehicule rutiere. Cod de încercare a motoarelor.
Putere netă

43.120 Vehicule rutiere electrice

SR EN 61851-22:2003

FCT

Sistem de încărcare conductivă pentru vehicule electrice. Partea 22: Stație de încărcare în curent alternativ pentru vehicule electrice

43.180 Dispozitive de diagnosticare, mentenanță și echipament de încercare

SR EN 13423:2002

FC

Exploatarea vehiculelor cu gaz natural comprimat
Inlocuit prin SR EN 13423:2021

45.040 Materiale și componente pentru căi ferate

SR EN 13749:2011

NCT

Aplicații feroviare. Osii montate și boghiuri. Metode pentru specificarea cerințelor referitoare la rezistența structurilor cadrelor de boghiuri
Inlocuit prin SR EN 13749:2021

SR EN 15807:2011

NCT

Aplicații feroviare. Semiacoplări
Inlocuit prin SR EN 15807:2021

45.060.01 Material rulant pentru căi ferate în general

SR EN 15807:2011

NCT

Aplicații feroviare. Semiacoplări
Inlocuit prin SR EN 15807:2021

47.080 Nave de agrement

SR EN ISO 7840:2019

NCT

Nave mici. Furtunuri flexibile, rezistente la foc, pentru combustibil
Inlocuit prin SR EN ISO 7840:2021

49.035 Componente pentru construcția aeronavelor

SR EN 4036:2006

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Serie aerospațială. Cap de tijă reglabil, cu rând dublu de bile, cu tijă filetată, de fier rezistent la coroziune, cu joc radial redus. Dimensiuni și

sarcini
Inlocuit prin SR EN 4036:2021

triunghiului
Inlocuit prin SR EN ISO 4120:2021

49.060 Echipament electric
SR EN 3475-512:2004
FC

Serie aerospațială. Cabluri electrice pentru aeronave. Metode de încercare. Partea 512: Încercarea rezistenței la flexiune
Inlocuit prin SR EN 3475-512:2021

49.100 Echipament de serviciu și mentenanță la sol
SR EN 12312-5+A1:2009

Echipament pentru deservirea la sol a aeronavelor. Cerințe specifice. Partea 5: Echipament de alimentare cu combustibil
Inlocuit prin SR EN 12312-5:2021

53.020.20 Macarale
SR EN 13001-2:2015
NCT

Instalații de ridicat. Proiectare generală. Partea 2: Efectele încărcărilor
Inlocuit prin SR EN 13001-2:2021

53.080 Echipament de stocare
SR EN 528:2009
NCT

Translator stivuitor. Cerințe de securitate
Inlocuit prin SR EN 528:2021

59.080.30 Țesături din textile
SR EN ISO 9073-4:2004
FC

Materiale textile. Metode de încercare pentru neșesute. Partea 4: Determinarea rezistenței la sfâșiere
Inlocuit prin SR EN ISO 9073-4:2021

67.060 Cereale, leguminoase și produse derivate
SR EN ISO 6540:2010

Porumb. Determinarea umidității (pentru boabe măcinate și pentru boabe întregi)
Inlocuit prin SR EN ISO 6540:2021

67.240 Analiza senzorială
SR EN ISO 4120:2007

Analiză senzorială. Metodologie. Testul

73.040 Cărbuni
SR ISO 1213-1:1995

Combustibili minerali solizi. Vocabular. Partea 1: Termeni referitori la prepararea cărbunelui

75.020 Extragerea și prelucrarea produselor petroliere și a gazului natural
SR EN ISO 15663-1:2007
A

Industria petrolului și gazelor naturale. Costurile ciclului de viață. Partea 1: Metodologie
Inlocuit prin SR EN ISO 15663:2021

75.120 Fluide hidraulice
SR ISO 4925:2007

Vehicule rutiere. Condiții pentru lichidele de frână în compoziția cărora nu intră produse petroliere, utilizate pentru sistemele hidraulice

75.160.20 Combustibili lichizi
SR EN 16942:2017

Carburanți. Identificarea compatibilității vehiculelor. Reprezentare grafică pentru informarea consumatorului
Inlocuit prin SR EN 16942+A1:2021

75.160.40 Biocombustibili
SR EN ISO 17225-4:2014
NCT

Biocombustibili solizi. Specificații și clase de combustibili. Partea 4: Clase de așchii din lemn
Inlocuit prin SR EN ISO 17225-4:2021

SR EN ISO 17225-3:2014
NCT

Biocombustibili solizi. Specificații și clase de combustibili. Partea 3: Clase de brichete din lemn
Inlocuit prin SR EN ISO 17225-3:2021

75.180.10 Mașini și utilaje pentru exploatare și extracție
SR EN ISO 15156-2:2016
A

Industria petrolului și gazelor naturale. Materiale pentru utilizare în prezența H₂S în producția de petrol și gaze naturale. Partea 2: Oțeluri nealiate și oțeluri slab aliate rezistente la fisurarea prin coroziune și utilizarea fontelor

Inlocuit prin SR EN ISO 15156-2:2021

SR EN ISO 15156-3:2016

A

Industria petrolului și gazelor naturale. Materiale pentru utilizare în prezența H₂S în producția de petrol și gaze naturale. Partea 3: Aliaje rezistente la fisurarea prin coroziune CRA (aliaje rezistente la coroziune) și alte aliaje

Inlocuit prin SR EN ISO 15156-3:2021

75.200 Mașini și utilaje pentru transportul produselor petroliere și a gazului natural

SR EN 13423:2002

FC

Exploatarea vehiculelor cu gaz natural comprimat

Inlocuit prin SR EN 13423:2021

77.060 Coroziunea metalelor

SR EN ISO 15156-2:2016

A

Industria petrolului și gazelor naturale. Materiale pentru utilizare în prezența H₂S în producția de petrol și gaze naturale. Partea 2: Oțeluri nealiat și oțeluri slab aliate rezistente la fisurarea prin coroziune și utilizarea fontelor

Inlocuit prin SR EN ISO 15156-2:2021

SR EN ISO 15156-3:2016

A

Industria petrolului și gazelor naturale. Materiale pentru utilizare în prezența H₂S în producția de petrol și gaze naturale. Partea 3: Aliaje rezistente la fisurarea prin coroziune CRA (aliaje rezistente la coroziune) și alte aliaje

Inlocuit prin SR EN ISO 15156-3:2021

79.060.10 Placaje

SR EN 16351:2015

A

Structuri din lemn. Lemn laminat cu lamele ortogonale. Cerințe

Inlocuit prin SR EN 16351:2021

81.060.20 Produse ceramice

SR EN 821-1:1997

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Ceramici tehnice avansate. Ceramici monolitice. Proprietăți termofizice. Partea 1: Determinarea dilatării termice

Inlocuit prin SR EN ISO 17562:2021

SR EN 1159-3:2004

FCT

Ceramici tehnice avansate. Compozite ceramice.

Proprietăți termofizice. Partea 3: Determinarea capacității termice specifice

Inlocuit prin SR EN ISO 19628:2021

81.060.30 Ceramică de tehnică avansată

SR EN 1159-3:2004/AC:2008

NCT

Ceramici tehnice avansate. Compozite ceramice. Proprietăți termofizice. Partea 3: Determinarea capacității termice specifice

Inlocuit prin SR EN ISO 19628:2021

83.080.01 Materiale plastice, în general

SR EN ISO 11357-4:2014

A

Materiale plastice. Analiza calorimetrică diferențială (DSC). Partea 4: Determinarea capacității termice specifice

Inlocuit prin SR EN ISO 11357-4:2021

83.180 Adezivi

SR EN 12023:2001

T

Benzi autoadezive. Măsurarea transmisiei vaporilor de apă în atmosferă caldă și umedă

SR EN 12029:2003

T

Benzi autoadezive. Determinarea ionilor corozivi solubili în apă

SR EN 12030:2002

FC

Benzi autoadezive. Măsurarea rezistenței la impact

SR EN 12031:2003

FC

Benzi autoadezive. Măsurarea rezistenței la plesnire

85.060 Hârtie și carton

SR ISO 9932:2001

T

Hârtie și carton. Determinarea coeficientului de transmisie a vaporilor de apă pentru materiale în coli. Metoda dinamică prin baleiaj cu gaze și metoda statică

Inlocuit prin SR ISO 9932:2021

87.040 Vopsele și emailuri

SR EN ISO 20566:2013

A

Vopsele și lacuri. Determinarea rezistenței la zgâriere a sistemelor de acoperire într-o incintă de laborator pentru simularea spălării automobilelor

Inlocuit prin SR EN ISO 20566:2021

91.060.50 Uși și ferestre

SR EN 14501:2006

NCT

Storuri și obloane. Confort termic și luminos. Caracteristici de performanță și clasificare

Inlocuit prin SR EN 14501:2021

SR EN 14500:2008

NCT

Storuri și obloane. Confort termic și luminos. Metode de încercare și de calcul

Inlocuit prin SR EN 14500:2021

91.100.30 Beton și produse din beton

SR EN 206+A1:2017

A

Beton. Specificație, performanță, producție și conformitate

Inlocuit prin SR EN 206+A2:2021

91.120.10 Izolație termică

SR CEN/TR 16947-2:2017

T

Sistem de management tehnic al clădirilor. Partea 2: Raport tehnic însoțitor pentru prEN 16947-1:2015 - Modul M10-12

Inlocuit prin SR CEN ISO/TR 52127-2:2021

91.140.50 Sisteme de alimentare cu energie electrică

SR HD 384.7.753 S1:2003

T

Instalații electrice în construcții. Partea 7: Prescripții pentru instalații și amplasamente speciale. Secțiunea 753: Sisteme de încălzire în pardoseală sau tavan

Inlocuit prin SR HD 60364-7-753:2015

93.080.20 Materiale de construcții pentru drumuri

SR EN 12697-42:2013

A

Mixturi asfaltice. Metode de încercare pentru mixturi asfaltice preparate la cald. Partea 42: Cantitatea de materiale străine în asfaltul recuperat

Inlocuit prin SR EN 12697-42:2021

93.080.30 Mașini și utilaje pentru construcția de drumuri

SR EN 1793-6:2018

A

Dispozitive pentru reducerea zgomotului din traficul rutier. Metodă de încercare pentru determinarea performanței acustice. Partea 6: Caracteristici intrinseci. Valori in situ ale izolației la zgomote aeriene în condiții de câmp acustic direct

Inlocuit prin SR EN 1793-6+A1:2021

97.060 Echipamente de spălat

SR CLC/TS 50594:2018

T

Uscătoare cu tambur pentru uz comercial. Metode de măsurare a performanțelor

Inlocuit prin SR EN 50594:2019

97.120 Comenzi automate de uz casnic

SR CEN/TR 16947-2:2017

T

Sistem de management tehnic al clădirilor. Partea 2: Raport tehnic însoțitor pentru prEN 16947-1:2015 - Modul M10-12

Inlocuit prin SR CEN ISO/TR 52127-2:2021

SR EN 60730-2-13:2008

NCT

Dispozitive de comandă automată ale aparatelor pentru uz casnic și scopuri similare. Partea 2-13: Prescripții particulare pentru dispozitive sensibile la umiditate

Inlocuit prin SR EN IEC 60730-2-13:2018

SR EN 13321-1:2013

T

Rețele deschise de comunicații de date pentru automatizarea, controlul și managementul tehnic al clădirilor. Sisteme electronice pentru locuințe și clădiri. Partea 1: Cerințe pentru produse și sisteme

Inlocuit prin SR EN 13321-1:2021

97.150 Acoperitoare de sol

SR EN 425:2003

FCT

Îmbrăcăminte stratificată rezistentă la șoc pentru pardoseală. Încercare la scaun cu roțile

Inlocuit prin SR EN ISO 4918:2021

STANDARDE EUROPENE / INTERNAȚIONALE ADOPTATE ÎNȚĂL PRIN FILĂ DE CONFIRMARE SAU NOTĂ DE CONFIRMARE PENTRU CARE S-A PUBLIAT VERSIUNEA ROMÂNĂ

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11.040.50 Echipament radiologic
SR EN 60601-1-3:2008 NCT
Aparate electromedicale. Partea 1-3: Cerințe particulare de securitate de bază și performanțe esențiale - Standard colateral: Protecția împotriva radiației la aparatele de diagnostic cu radiații X

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13.020.40 Poluare, controlul poluării și protecția mediului

SR EN ISO 14090:2019 NCT

Adaptare la schimbările climatice. Principii, cerințe și linii directoare

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13.280 Protecția contra radiațiilor
SR EN 60601-1-3:2008 NCT

Aparate electromedicale. Partea 1-3: Cerințe particulare de securitate de bază și performanțe esențiale - Standard colateral: Protecția împotriva radiației la aparatele de diagnostic cu radiații X

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13.300 Protecția contra produselor periculoase

SR EN ISO 16495:2014 NCT

Ambalaje. Ambalaje de transport pentru mărfuri periculoase. Metode de încercare

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23.040.10 Țevi și tuburi din fontă și oțel
SR EN 10217-4:2019 NCT

Țevi din oțel, sudate, utilizate la presiune. Condiții tehnice de livrare. Partea 4: Țevi din oțel nealiat, sudate electric prin presiune în linie, cu caracteristici specificate la temperatură scăzută

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SR EN 10217-5:2019 NCT

Țevi din oțel, sudate, utilizate la presiune. Condiții tehnice de livrare. Partea 5: Țevi din oțel nealiat și aliat, sudate cu arc electric sub strat de flux, cu caracteristici specificate la temperatură ridicată

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SR EN 10217-6:2019 NCT

Țevi din oțel, sudate, utilizate la presiune. Condiții tehnice de livrare. Partea 6: Țevi din oțel nealiat, sudate cu arc electric sub strat de flux, cu caracteristici specificate la temperatură scăzută

Data aprobării: 30.09.2019

Data traducerii: 29.04.2021

25.040.40 Măsurarea și controlul proceselor industriale

SR EN 61158-5-21:2012 NCT

Rețele de comunicație industriale. Specificații ale magistralei de câmp. Partea 5-21: Definiere a serviciilor stratului Aplicație. Elemente de tip 21

Data aprobării: 29.11.2012

Data traducerii: 29.04.2021

Inlocuit prin SR EN IEC 61158-5-21:2019

27.080 Pompe de căldură

SR EN 14511-3:2018 NCT

Aparate de condiționat aerul, grupuri de răcire pentru lichide și pompe de căldură pentru încălzirea și răcirea spațiilor și răcitoare industriale, cu compresoare antrenate prin motor electric. Partea 3: Metode de încercare

Data aprobării: 31.08.2018

Data traducerii: 29.04.2021

29.020 Electrotehnică în general

SR EN IEC 61293:2020 NCT

Marcarea aparatelor electrice cu caracteristicile nominale referitoare la alimentarea electrică.

Prescripții de securitate

Data aprobării: 30.06.2020

Data traducerii: 29.04.2021

Data traducerii: 29.04.2021

29.120.50 Siguranțe fuzibile și alte aparate de protecție la scurtcircuit**SR EN 61008-1:2013/A12:2017 NCT**

Înteruptoare automate de curent diferențial rezidual fără protecție încorporată la supracurenți pentru uz casnic și similar (ID). Partea 1: Reguli generale

Data aprobării: 22.12.2017

Data traducerii: 29.04.2021

29.130.20 Aparate de conectare și comandă de joasă tensiune**SR EN 62026-2:2013/A1:2020 NCT**

Aparataj de joasă tensiune. Interfețe aparate de comandă-aparate (CDI). Partea 2: Interfață senzor-organ de comandă (AS-i)

Data aprobării: 31.03.2020

Data traducerii: 29.04.2021

SR EN 62026-3:2015/A11:2020 NCT

Aparataj de joasă tensiune. Interfețe aparate de comandă-aparate (CDI). Partea 3: DeviceNet

Data aprobării: 31.07.2020

Data traducerii: 29.04.2021

35.100.70 Strat aplicare**SR EN 61158-5-21:2012 NCT**

Rețele de comunicație industriale. Specificații ale magistralei de câmp. Partea 5-21: Definiere a serviciilor stratului Aplicație. Elemente de tip 21

Data aprobării: 29.11.2012

Data traducerii: 29.04.2021

Inlocuit prin SR EN IEC 61158-5-21:2019

35.110 Rețele**SR EN 61158-5-21:2012 NCT**

Rețele de comunicație industriale. Specificații ale magistralei de câmp. Partea 5-21: Definiere a serviciilor stratului Aplicație. Elemente de tip 21

Data aprobării: 29.11.2012

Data traducerii: 29.04.2021

Inlocuit prin SR EN IEC 61158-5-21:2019

35.240.67 Aplicații IT în clădiri și industria de construcții**SR EN 14908-4:2014 NCT**

Rețea deschisă de comunicații de date pentru automatizarea, controlul și managementul clădirilor. Protocol de control al rețelei. Partea 4: Comunicație prin IP

Data aprobării: 30.09.2014

45.040 Materiale și componente pentru căi ferate**SR EN 16452+A1:2019 NCT**

Aplicații feroviare. Frânare. Saboți de frână

Data aprobării: 30.08.2019

Data traducerii: 29.04.2021

SR EN 16185-2+A1:2020 NCT

Aplicații feroviare. Sisteme de frânare pentru trenuri automotoare. Partea 2: Metode de încercare

Data aprobării: 31.03.2020

Data traducerii: 29.04.2021

SR EN 16185-1+A1:2020 NCT

Aplicații feroviare. Sisteme de frânare pentru trenuri automotoare. Partea 1: Cerințe și definiții

Data aprobării: 30.06.2020

Data traducerii: 29.04.2021

45.060.01 Material rulant pentru căi ferate în general**SR EN 14067-4+A1:2019 NCT**

Aplicații feroviare. Aerodinamică. Partea 4: Cerințe și proceduri de încercare pentru aerodinamica în câmp deschis

Data aprobării: 31.05.2019

Data traducerii: 29.04.2021

SR EN 15877-1+A1:2019 NCT

Aplicații feroviare. Marcarea vehiculelor feroviare. Partea 1: Vagoane de marfă

Data aprobării: 31.05.2019

Data traducerii: 29.04.2021

SR EN 16186-1+A1:2019 NCT

Aplicații feroviare. Cabină de conducere. Partea 1: Date antropometrice și vizibilitate

Data aprobării: 31.05.2019

Data traducerii: 29.04.2021

SR EN 16452+A1:2019 NCT

Aplicații feroviare. Frânare. Saboți de frână

Data aprobării: 30.08.2019

Data traducerii: 29.04.2021

SR EN 16207+A1:2020 NCT

Aplicații feroviare. Frânare. Criterii de performanță și funcționare ale sistemelor de frânare magnetică pentru vehicule feroviare

Data aprobării: 31.03.2020

Data traducerii: 29.04.2021

55.020 Ambalaje și distribuirea mărfurilor în general

SR EN ISO 16495:2014

NCT

Ambalaje. Ambalaje de transport pentru mărfuri periculoase. Metode de încercare

Data aprobării: 31.01.2014

Data traducerii: 29.04.2021

77.140.75 Țevi și tuburi din oțel pentru utilizări speciale

SR EN 10217-4:2019

NCT

Țevi din oțel, sudate, utilizate la presiune. Condiții tehnice de livrare. Partea 4: Țevi din oțel nealiat, sudate electric prin presiune în linie, cu caracteristici specificate la temperatură scăzută

Data aprobării: 30.09.2019

Data traducerii: 29.04.2021

SR EN 10217-5:2019

NCT

Țevi din oțel, sudate, utilizate la presiune. Condiții tehnice de livrare. Partea 5: Țevi din oțel nealiat și aliat, sudate cu arc electric sub strat de flux, cu caracteristici specificate la temperatură ridicată

Data aprobării: 30.09.2019

Data traducerii: 29.04.2021

SR EN 10217-6:2019

NCT

Țevi din oțel, sudate, utilizate la presiune. Condiții tehnice de livrare. Partea 6: Țevi din oțel nealiat, sudate cu arc electric sub strat de flux, cu caracteristici specificate la temperatură scăzută

Data aprobării: 30.09.2019

Data traducerii: 29.04.2021

79.120.10 Mașini pentru prelucrarea lemnului

SR EN 1870-6:2018

NCT

Securitatea mașinilor pentru prelucrarea lemnului. Ferăstraie circulare. Partea 6: Ferăstraie circulare pentru tăierea lemnului de foc

Data aprobării: 30.04.2018

Data traducerii: 29.04.2021

91.140.01 Instalații în clădiri în general

SR EN 14908-4:2014

NCT

Rețea deschisă de comunicații de date pentru automatizarea, controlul și managementul clădirilor. Protocol de control al rețelei. Partea 4: Comunicație prin IP

Data aprobării: 30.09.2014

Data traducerii: 29.04.2021

91.140.30 Ventilație și climatizare

SR EN 14511-3:2018

NCT

Aparate de condiționat aerul, grupuri de răcire

pentru lichide și pompe de căldură pentru încălzirea și răcirea spațiilor și răcitoare industriale, cu compresoare antrenate prin motor electric. Partea 3: Metode de încercare

Data aprobării: 31.08.2018

Data traducerii: 29.04.2021

97.120 Comenzi automate de uz casnic

SR EN 14908-4:2014

NCT

Rețea deschisă de comunicații de date pentru automatizarea, controlul și managementul clădirilor. Protocol de control al rețelei. Partea 4: Comunicație prin IP

Data aprobării: 30.09.2014

Data traducerii: 29.04.2021

97.140 Mobilă

SR EN 1272:2017

NCT

Articole de puericultură. Scaun atașabil la masă. Cerințe de securitate și metode de încercare

Data aprobării: 31.10.2017

Data traducerii: 15.04.2021

97.190 Echipamente pentru copii

SR EN 1272:2017

NCT

Articole de puericultură. Scaun atașabil la masă. Cerințe de securitate și metode de încercare

Data aprobării: 31.10.2017

Data traducerii: 15.04.2021

SR EN 13209-2:2016

NCT

Articole de puericultură. Port-bebe. Cerințe de securitate și metode de încercare. Partea 2: Port-bebe moale

Data aprobării: 31.05.2016

Data traducerii: 15.04.2021

COMITETE TEHNICE NOI, MODIFICĂRI ÎN ORGANIZAREA ȘI STRUCTURA COMITETELOR TEHNICE EXISTENTE

În această rubrică sunt publicate informații privind comitetele tehnice naționale noi precum și comitetele tehnice naționale de standardizare care au suferit modificări în organizare sau structură.

- Activitatea de standardizare națională se desfășoară în comitete tehnice naționale, structuri fără personalitate juridică ale organismului național de standardizare. Organizarea și modul de lucru ale comitetelor tehnice sunt prevăzute în standardul SR 10000-3 *Principiile și metodologia standardizării. Partea 3: Structura și modul de lucru ale comitetelor tehnice*.
- Activitatea comitetelor tehnice se desfășoară atât pe plan național, cât și european și internațional.
- Membrii comitetelor tehnice naționale sunt persoane juridice interesate din diferite sectoare de activitate. Acestea pot fi: agenți economici, institute de cercetare, instituții de învățământ, asociații profesionale, organisme guvernamentale etc. Componenta comitetelor tehnice trebuie să asigure reprezentarea corespunzătoare a tuturor părților interesate: producători, utilizatori, consumatori, autorități etc. Pentru a deveni membru al unui comitet tehnic național de standardizare trebuie să se transmită o solicitare scrisă (e-mail sau fax) către ASRO.
- Prin participarea la activitatea comitetelor tehnice, specialiștii, care reprezintă părțile interesate, au posibilitatea să-și aducă contribuția la standardizarea națională, europeană sau internațională, să cunoască în avans informațiile propuse pentru a fi incluse în standarde, putând astfel lua măsurile care se impun prin aplicarea standardelor. Totodată, participarea activă la lucrările comitetelor tehnice reprezintă o deosebită oportunitate pentru a realiza și întreține contacte cu specialiștii din domeniul specific de activitate, din țară și străinătate.
- Informații privind participarea la activitatea de standardizare în cadrul comitetelor tehnice naționale se pot primi de la experții de standardizare din cadrul ASRO (a se vedea www.asro.ro). Adresa de contact a experților de standardizare are următorul format prenume.nume@asro.ro (exemplu: doina.dragomir@asro.ro).
 - **CT 165 Linii electrice aeriene**
 - Președinte Ing. George Alexandru FLOREA - S.C. POWER&LIGHTING TEHNOROB S.A.
 - Expert ASRO: Ing. Doina DRAGOMIR

STANDARDIZAREA EUROPEANĂ

Informațiile din această secțiune se referă la activitatea Organizațiilor Europene de Standardizare CEN, CENELEC și ETSI.

Pentru înțelegerea simbolurilor utilizate în această secțiune se fac precizările de mai jos:

EN	standard european (CEN, CENELEC, ETSI)
HD	document de armonizare (CENELEC)
CEN/TS, CLC/TS	specificație tehnică europeană
CEN/TR, CLC/TR	raport tehnic european
CWA	acordul unui workshop CEN/CENELEC
ETSI EG	ghid ETSI
ETSI EN	standard european pentru telecomunicații
ETSI ES	standard ETSI
ETSI TS	specificație tehnică ETSI
ETSI TR	raport tehnic ETSI
ETSI SR	raport special ETSI
prEN	proiect de standard european aflat în anchetă publică
prHD	proiect de document de armonizare aflat în anchetă publică
doa	termenul limită de anunțare a standardului european la nivel național
dop	termenul limită de publicare a standardului european la nivel național
dow	termenul limită de retragere a standardelor naționale conflictuale
dea	termenul limită de vot



În perioada 2021.04.01 – 2021.04.29

01.040 Vocabulare
**01.040.07 Științe naturale și aplicate
(Vocabulare)**
CEN ISO/TS 80004-6:2021

Nanotechnologies - Vocabulary - Part 6:
Nano-object characterization (ISO/TS 80004-6:2021)

doa: 2021-07-31 dop: dow:

01.040.11 Medicină (Vocabulare)
EN ISO 19223:2021

Lung ventilators and related equipment -
Vocabulary and semantics (ISO 19223:2019)

doa: 2021-07-31 dop: 2021-10-31

dow: 2021-04-21

**01.040.91 Construcții și materiale de
construcții. (Vocabulare)**
EN ISO 6927:2021

Buildings and civil engineering sealants -
Vocabulary (ISO 6927:2021)

doa: 2021-07-31 dop: 2021-10-31

dow: 2021-10-31

01.080 Simboluri grafice
**01.080.30 Simboluri grafice utilizate în
desene, scheme, planuri, planșe
pentru construcții mecanice și
clădiri și în documentația tehnică a
produselor din domeniu**
EN ISO 12671:2021

Thermal spraying - Thermally sprayed
coatings - Symbolic representation on
drawings (ISO 12671:2021)

doa: 2021-07-31 dop: 2021-10-31

dow: 2021-10-31

01.100 Desene tehnice
**01.100.20 Desene tehnice utilizate în
construcția mecanică**
EN ISO 6410-3:2021

Technical drawings - Screw threads and
threaded parts - Part 3: Simplified

representation (ISO 6410-3:2021)

doa: 2021-07-31 dop: 2021-10-31

dow: 2021-10-31

07.100 Microbiologie
07.100.30 Microbiologie alimentară
EN ISO 15216-1:2017/A1:2021

Microbiology of the food chain - Horizontal
method for determination of hepatitis A virus
and norovirus using real-time RT-PCR - Part
1: Method for quantification - Amendment 1
(ISO 15216-1:2017/Amd 1:2021)

doa: 2021-07-31 dop: 2021-10-31

dow: 2021-10-31

07.120 Nanotehnologii
CEN ISO/TS 21362:2021

Nanotechnologies - Analysis of nano-objects
using asymmetrical-flow and centrifugal field-
flow fractionation (ISO/TS 21362:2018)

doa: 2021-07-31 dop: dow:

CEN ISO/TS 80004-6:2021

Nanotechnologies - Vocabulary - Part 6:
Nano-object characterization (ISO/TS 80004-6:2021)

doa: 2021-07-31 dop: dow:

11.040 Echipament medical
**11.040.10 Echipament pentru
anestezie, respirație și reanimare**
EN ISO 19223:2021

Lung ventilators and related equipment -
Vocabulary and semantics (ISO 19223:2019)

doa: 2021-07-31 dop: 2021-10-31

dow: 2021-04-21

EN ISO 80601-2-85:2021

Medical electrical equipment - Part 2-85:
Particular requirements for the basic safety
and essential performance of cerebral tissue
oximeter equipment (ISO 80601-2-85:2021)

doa: 2021-07-31 dop: 2021-10-31

dow: 2024-04-30

EN ISO 80601-2-87:2021

Medical electrical equipment - Part 2-87:
Particular requirements for basic safety and
essential performance of high-frequency
ventilators (ISO 80601-2-87:2021)
doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

11.060 Stomatologie**11.060.10 Materiale dentare****EN ISO 17254:2016/A1:2021**

Dentistry - Coiled springs for use in
orthodontics - Amendment 1 (ISO
17254:2016/Amd 1:2020)
doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

11.060.20 Echipament stomatologic**EN ISO 23450:2021**

Dentistry - Intraoral camera (ISO
23450:2021)
doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

**11.180 Ajutoare pentru invalizi sau
persoane cu handicap****11.180.01 Mijloace ajutătoare pentru
invalizi sau persoane cu handicap
în general****EN ISO 21801-1:2021**

Cognitive accessibility - Part 1: General
guidelines (ISO 21801-1:2020)
doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

13.020 Protecția mediului**13.020.10 Managementul mediului****EN ISO 14031:2021**

Environmental management - Environmental
performance evaluation - Guidelines (ISO
14031:2021)
doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

13.040 Calitatea aerului**13.040.01 Calitatea aerului în general****CEN ISO/TS 11665-12:2021**

Measurement of radioactivity in the
environment - Air: radon-222 - Part 12:

Determination of the diffusion coefficient in
waterproof materials: membrane one-side
activity concentration measurement method
(ISO/TS 11665-12:2018)
doa: 2021-07-31 dop: dow:

13.060 Calitatea apei**13.060.99 Alte standarde referitoare la
apă****EN 17233:2021**

Water quality - Guidance for assessing the
efficiency and related metrics of fish passage
solutions using telemetry
doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

13.080 Calitatea solului. Pedologie**13.080.30 Proprietăți biologice ale
solurilor****EN ISO 23266:2021**

Soil quality - Test for measuring the inhibition
of reproduction in oribatid mites (*Oppia
nitens*) exposed to contaminants in soil (ISO
23266:2020)
doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-21

**13.110 Securitatea mașinilor și
aparaturilor****EN ISO 19085-1:2021**

Woodworking machines - Safety - Part 1:
Common requirements (ISO 19085-1:2021)
doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

EN ISO 19085-12:2021

Woodworking machines - Safety - Part 12:
Tenoning/profiling machines (ISO 19085-
12:2021)
doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

**13.340 Echipament de protecție
individuală****13.340.10 Îmbrăcăminte de protecție****CEN/TR 17620:2021**

Guidelines for selection, use, care and
maintenance of smart garments protecting
against heat and flame
doa: dop: dow:

17.240 Măsurări de radiații

CEN ISO/TS 11665-12:2021

Measurement of radioactivity in the environment - Air: radon-222 - Part 12: Determination of the diffusion coefficient in waterproof materials: membrane one-side activity concentration measurement method (ISO/TS 11665-12:2018)

doa: 2021-07-31 dop: dop: dow:

19.100 Încercări nedistructive

EN 12543-2:2021

Non-destructive testing - Characteristics of focal spots in industrial X-ray systems for use in non-destructive testing - Part 2: Pinhole camera radiographic method

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

21.040 Filete

21.040.01 Filete în general

EN ISO 6410-3:2021

Technical drawings - Screw threads and threaded parts - Part 3: Simplified representation (ISO 6410-3:2021)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

21.060 Elemente de asamblare

21.060.70 Cleme și agrafe

EN 13411-9:2021

Terminations for steel wire ropes - Safety - Part 9: Solid thimbles

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

23.040 Conducte și accesorii

23.040.10 Țevi și tuburi din fontă și oțel

EN 10216-5:2021

Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 5: Stainless steel tubes

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

EN 10217-7:2021

Welded steel tubes for pressure purposes - Technical delivery conditions - Part 7: Stainless steel tubes

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

23.040.20 Țevi din materiale plastice

EN ISO 11298-4:2021

Plastics piping systems for renovation of underground water supply networks - Part 4: Lining with cured-in-place pipes (ISO 11298-4:2021)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

23.040.45 Racorduri din materiale plastice

EN ISO 11298-4:2021

Plastics piping systems for renovation of underground water supply networks - Part 4: Lining with cured-in-place pipes (ISO 11298-4:2021)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

23.060 Robinetărie

23.060.01 Robinetărie în general

EN ISO 22153:2021

Electric actuators for industrial valves - General requirements (ISO 22153:2020)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

25.040 Sisteme de automatizare industrială

25.040.30 Roboți industriali. Manipulatori

CWA 17664:2021

Lower-limb wearable devices - Performance test method for walking on uneven terrain

doa: dop: dow:

25.160 Sudare și lipire

25.160.01 Sudare și lipire în general

EN ISO 3834-2:2021

Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements (ISO 3834-2:2021)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

EN ISO 3834-3:2021

Quality requirements for fusion welding of metallic materials - Part 3: Standard quality

requirements (ISO 3834-3:2021)
 doa: 2021-07-31 dop: 2021-10-31
 dow: 2021-10-31

EN ISO 3834-4:2021

Quality requirements for fusion welding of metallic materials - Part 4: Elementary quality requirements (ISO 3834-4:2021)
 doa: 2021-07-31 dop: 2021-10-31
 dow: 2021-10-31

EN 14730-2:2021

Railway applications - Track - Aluminothermic welding of rails - Part 2: Qualification of aluminothermic welders, approval of contractors and acceptance of welds
 doa: 2021-07-31 dop: 2021-10-31
 dow: 2021-10-31

25.160.10 Procedee de sudare

EN 14730-2:2021

Railway applications - Track - Aluminothermic welding of rails - Part 2: Qualification of aluminothermic welders, approval of contractors and acceptance of welds
 doa: 2021-07-31 dop: 2021-10-31
 dow: 2021-10-31

25.160.30 Mașini de sudare

EN ISO 8205:2021

Resistance welding equipment - Water-cooled secondary connection cables (ISO 8205:2021)
 doa: 2021-07-31 dop: 2021-10-31
 dow: 2021-10-31

25.220 Tratamente și acoperiri de suprafață

25.220.10 Pregătirea suprafeței

EN ISO 11124-5:2021

Preparation of steel substrates before application of paints and related products - Specifications for metallic blast-cleaning abrasives - Part 5: Cut steel wire (ISO 11124-5:2019)
 doa: 2021-07-31 dop: 2021-10-31
 dow: 2021-10-31

25.220.20 Tratarea suprafeței

EN ISO 12671:2021

Thermal spraying - Thermally sprayed coatings - Symbolic representation on drawings (ISO 12671:2021)

doa: 2021-07-31 dop: 2021-10-31
 dow: 2021-10-31

25.220.40 Acoperiri metalice

EN ISO 4518:2021

Metallic coatings - Measurement of coating thickness - Profilometric method (ISO 4518:2021)
 doa: 2021-07-31 dop: 2021-10-31
 dow: 2021-10-31

27.060 Arzătoare. Boilere

27.060.20 Arzătoare cu gaz

EN 437:2021

Test gases - Test pressures - Appliance categories
 doa: 2021-07-31 dop: 2021-10-31
 dow: 2021-10-31

27.140 Energie hidraulică

CWA 50271:2021

Recommendations for a modular and cross-cutting Power Take-Off for wave energy direct drive linear solutions
 doa: dop: dow:

CWA 50272:2021

Methodology, procedures and equipment required for the laboratory testing of a modular and crosscutting Power Take-Off for wave energy converters
 doa: dop: dow:

35.240 Aplicații privind tehnologia informației

35.240.60 Aplicații IT în transport

EN ISO 14907-2:2021

Electronic fee collection - Test procedures for user and fixed equipment - Part 2: Conformance test for the on-board unit application interface (ISO 14907-2:2021)
 doa: 2021-07-31 dop: 2021-10-31
 dow: 2021-10-31

35.240.70 Aplicații IT în știință

EN ISO 19148:2021

Geographic information - Linear referencing (ISO 19148:2021)
 doa: 2021-07-31 dop: 2021-10-31
 dow: 2021-10-31

35.240.80 Aplicații IT în medicină

EN ISO 23903:2021

Health Informatics - Interoperability and integration reference architecture - Model and framework (ISO 23903:2021)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

43.040 Sisteme pentru vehicule rutiere

43.040.15 Informatica pentru autovehicule. Sisteme informatice de bord

EN ISO 14907-2:2021

Electronic fee collection - Test procedures for user and fixed equipment - Part 2:

Conformance test for the on-board unit application interface (ISO 14907-2:2021)

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43.160 Vehicule cu destinație specială

EN ISO 8437-1:2021

Snow throwers - Safety requirements and test procedures - Part 1: Terminology and common tests (ISO 8437-1:2019)

doa: 2021-07-31 dop: 2021-10-31
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EN ISO 8437-2:2021

Snow throwers - Safety requirements and test procedures - Part 2: Pedestrian-controlled snow throwers (ISO 8437-2:2019)

doa: 2021-07-31 dop: 2021-10-31
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EN ISO 8437-3:2021

Snow throwers - Safety requirements and test procedures - Part 3: Ride-on snow throwers (ISO 8437-3:2019)

doa: 2021-07-31 dop: 2021-10-31
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EN ISO 8437-4:2021

Snow throwers - Safety requirements and test procedures - Part 4: Additional national and regional requirements (ISO 8437-4:2019)

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45.060 Material rulant pentru căi ferate

45.060.01 Material rulant pentru căi ferate în general

CEN/TR 14067-7:2021

Railway applications - Aerodynamics - Part 7: Fundamentals for test procedures for train-induced ballast projection

doa: dop: dow:

47.080 Nave de agrement

EN ISO 8099-2:2021

Small craft - Waste systems - Part 2: Sewage treatment systems (ISO 8099-2:2020)

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EN ISO 8848:2021

Small craft - Remote mechanical steering systems (ISO 8848:2020)

doa: 2021-07-31 dop: 2021-10-31
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EN ISO 13297:2021

Small craft - Electrical systems - Alternating and direct current installations (ISO 13297:2020)

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53.020 Instalații de ridicat

53.020.30 Accesorii pentru instalații de ridicat

EN 13411-9:2021

Terminations for steel wire ropes - Safety - Part 9: Solid thimbles

doa: 2021-07-31 dop: 2021-10-31
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59.080 Produse din industria textilă

59.080.80 Textile inteligente

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Guidelines for selection, use, care and maintenance of smart garments protecting against heat and flame

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61.060 Încălțăminte

EN ISO 16181-1:2021

Footwear - Critical substances potentially present in footwear and footwear components - Part 1: Determination of phthalate with solvent extraction (ISO 16181-

1:2021)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31**65.120 Nutrețuri****EN 17462:2021**

Animal feeding stuffs: Methods of sampling and analysis - Determination of the radionuclides Iodine-131, Caesium-134 and Caesium-137 in feed

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31**67.050 Metode generale de analiză
pentru produse alimentare****EN 17425:2021**

Foodstuffs - Determination of ergot alkaloids in cereals and cereal products by dSPE clean-up and HPLC-MS/MS

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31**67.060 Cereale, leguminoase și
produse derivate****EN 17425:2021**

Foodstuffs - Determination of ergot alkaloids in cereals and cereal products by dSPE clean-up and HPLC-MS/MS

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31**75.080 Produse petroliere în
general****EN ISO 13736:2021**

Determination of flash point - Abel closed-cup method (ISO 13736:2021)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31**75.160 Combustibili****75.160.10 Combustibili solizi****EN ISO 21645:2021**

Solid recovered fuels - Methods for sampling (ISO 21645:2021)

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dow: 2021-10-31**75.180 Mașini și utilaje pentru
industria petrolieră și a gazului
natural****75.180.10 Mașini și utilaje pentru
exploatare și extracție****EN ISO 11960:2021**

Petroleum and natural gas industries - Steel pipes for use as casing or tubing for wells (ISO 11960:2020)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31**77.040 Încercările metalelor****77.040.10 Încercări mecanice ale
metalelor****EN 10371:2021**

Metallic materials - Small punch test method

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31**77.140 Produse din oțel și fontă****77.140.75 Țevi și tuburi din oțel pentru
utilizări speciale****EN 10216-5:2021**

Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 5: Stainless steel tubes

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31**EN 10217-7:2021**

Welded steel tubes for pressure purposes - Technical delivery conditions - Part 7: Stainless steel tubes

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31**EN ISO 11960:2021**

Petroleum and natural gas industries - Steel pipes for use as casing or tubing for wells (ISO 11960:2020)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31**77.150 Produse din metale
neferoase****77.150.30 Produse din cupru****EN 13600:2021**

Copper and copper alloys - Seamless copper tubes for electrical purposes

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31**79.080 Semifabricate din lemn**

EN 13647:2021

Wood flooring and wood panelling and cladding - Determination of geometrical characteristics

doa: 2021-07-31 dop: 2021-10-31
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EN 17456:2021

Wood flooring and parquet - Determination of top layer delamination of multilayer elements - Test method

doa: 2021-07-31 dop: 2021-10-31
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79.120 Mașini și scule pentru prelucrarea lemnului

79.120.10 Mașini pentru prelucrarea lemnului

EN ISO 19085-12:2021

Woodworking machines - Safety - Part 12: Tenoning/profiling machines (ISO 19085-12:2021)

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83.100 Materiale celulare

EN ISO 844:2021

Rigid cellular plastics - Determination of compression properties (ISO 844:2021)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

87.040 Vopsele și emailuri

EN ISO 28199-1:2021

Paints and varnishes - Evaluation of properties of coating systems related to the spray application process - Part 1:

Vocabulary and preparation of test panels (ISO 28199-1:2021)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

87.060 Ingredientele pentru vopsele

87.060.10 Pigmenți și materiale de umplutură

EN ISO 3262-19:2021

Extenders - Specifications and methods of test - Part 19: Precipitated silica (ISO 3262-19:2021)

doa: 2021-07-31 dop: 2021-10-31
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EN ISO 3262-20:2021

Extenders - Specifications and methods of test - Part 20: Fumed silica (ISO 3262-20:2021)

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91.100 Materiale de construcții

91.100.50 Lianți. Materiale pentru etanșare

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Buildings and civil engineering sealants - Vocabulary (ISO 6927:2021)

doa: 2021-07-31 dop: 2021-10-31
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EN ISO 9046:2021

Building and civil engineering sealants - Determination of adhesion/cohesion properties at constant temperature (ISO 9046:2021)

doa: 2021-07-31 dop: 2021-10-31
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91.140 Instalații în clădiri

91.140.10 Sisteme de încălzire centrale

EN 303-5:2021

Heating boilers - Part 5: Heating boilers for solid fuels, manually and automatically stoked, nominal heat output of up to 500 kW - Terminology, requirements, testing and marking

doa: 2021-07-31 dop: 2021-10-31
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91.140.30 Ventilație și climatizare

EN 13141-4:2021

Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 4: Aerodynamic, electrical power and acoustic performance of unidirectional ventilation units

doa: 2021-07-31 dop: 2021-10-31
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EN 13141-7:2021

Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 7: Performance testing of ducted mechanical supply and exhaust ventilation units (including heat recovery)

doa: 2021-07-31 dop: 2021-10-31
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EN 13142:2021

Ventilation for buildings -
Components/products for residential
ventilation - Required and optional
performance characteristics
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91.140.40 Sisteme de alimentare cu gaz**EN 437:2021**

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91.140.90 Ascensoare. Scări rulante**EN 81-70:2021**

Safety rules for the construction and
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Accessibility to lifts for persons including
persons with disability
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EN 115-2:2021

Safety of escalators and moving walks - Part
2: Rules for the improvement of safety of
existing escalators and moving walks
doa: 2021-07-31 dop: 2021-10-31
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**93.020 Lucrări de terasament.
Excavații. Fundații. Lucrări
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Geotechnical investigation and testing -
Geohydraulic testing - Part 4: Pumping tests
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doa: 2021-07-31 dop: 2021-10-31
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**93.025 Sisteme de transport
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Plastics piping systems for renovation of

underground water supply networks - Part 4:
Lining with cured-in-place pipes (ISO 11298-
4:2021)
doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

93.100 Construcții de căi ferate**EN 14730-2:2021**

Railway applications - Track - Aluminothermic
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aluminothermic welders, approval of
contractors and acceptance of welds
doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

**97.170 Echipamente pentru
îngrijirea corpului****EN ISO 28399:2021**

Dentistry - External tooth bleaching products
(ISO 28399:2021)
doa: 2021-07-31 dop: 2021-10-31
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**97.200 Echipamente pentru
distracții****97.200.50 Jucării****EN 71-13:2021**

Safety of toys - Part 13: Olfactory board
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doa: 2021-07-31 dop: 2021-10-31
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EN 71-3:2019+A1:2021

Safety of toys - Part 3: Migration of certain
elements
doa: 2021-07-31 dop: 2021-10-31
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CEN/TR 15371-1:2021

Safety of toys - Interpretations - Part 1:
Replies to requests for interpretation of EN
71-1, EN 71-2, EN 71-8 and EN 71-14
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11.040.60	Echipment pentru terapie	
EN IEC 60601-2-83:2020/A11:2021	Medical electrical equipment - Part 2-83: Particular requirements for the basic safety and essential performance of home light therapy equipment doa: 2021-07-02 dop: 2021-10-02 dow: 2023-11-03	EN IEC 60051-2:2021 Direct acting indicating analogue electrical measuring instruments and their accessories - Part 2: Special requirements for ammeters and voltmeters doa: 2021-07-30 dop: 2021-10-30 dow: 2024-04-30
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13.220.20	Protecția contra incendiilor	
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17.220	Electricitate. Magnetism. Măsurări electrice și magnetice	
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		EN IEC 62053-22:2021 Electricity metering equipment - Particular requirements - Part 22: Static meters for AC

active energy (classes 0,1S, 0,2S and 0,5S)
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EN IEC 62053-23:2021

Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)
 doa: 2021-07-02 dop: 2021-10-02
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EN IEC 62053-24:2021

Electricity metering equipment - Particular requirements - Part 24: Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)
 doa: 2021-07-02 dop: 2021-10-02
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17.220.99 Alte standarde referitoare la electricitate și magnetism

EN IEC 60216-3:2021

Electrical insulating materials - Thermal endurance properties - Part 3: Instructions for calculating thermal endurance characteristics
 doa: 2021-07-20 dop: 2022-01-20
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19.020 Proceduri și condiții de încercare în general

EN IEC 60216-3:2021

Electrical insulating materials - Thermal endurance properties - Part 3: Instructions for calculating thermal endurance characteristics
 doa: 2021-07-20 dop: 2022-01-20
 dow: 2024-04-20

19.040 Încercări de mediu

EN IEC 60068-2-11:2021

Environmental testing - Part 2-11: Tests - Test Ka: Salt mist
 doa: 2021-07-07 dop: 2022-01-07
 dow: 2024-04-07

EN IEC 60068-2-13:2021

Environmental testing - Part 2-13: Tests - Test M: Low air pressure
 doa: 2021-07-07 dop: 2022-01-07
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EN IEC 60068-2-38:2021

Environmental testing - Part 2-38: Tests - Test Z/AD: Composite temperature/humidity cyclic test

doa: 2021-07-29 dop: 2022-01-29
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19.080 Încercări electrice și electronice

EN IEC 61010-2-030:2021

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: Particular requirements for equipment having testing or measuring circuits
 doa: 2021-07-02 dop: 2021-10-02
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EN IEC 61010-2-030:2021/A11:2021

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: Particular requirements for equipment having testing or measuring circuits
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EN IEC 61010-2-034:2021

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength
 doa: 2021-09-15 dop: 2022-03-15
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EN IEC 61010-2-034:2021/A11:2021

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength
 doa: 2021-09-15 dop: 2022-03-15
 dow: 2024-03-15

EN IEC 61010-2-091:2021

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems
 doa: 2021-10-01 dop: 2022-04-01
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EN IEC 61010-2-091:2021/A11:2021

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems

27.120 Energie nucleară

27.120.10 Reactoare nucleare

EN IEC/IEEE 60980-344:2021

Nuclear facilities - Equipment important to safety - Seismic qualification

doa: 2021-07-19 dop: 2022-01-19

dow: 2024-04-19

**27.120.20 Centrale nucleare.
Securitate**

EN IEC/IEEE 60980-344:2021

Nuclear facilities - Equipment important to safety - Seismic qualification

doa: 2021-07-19 dop: 2022-01-19

dow: 2024-04-19

27.160 Energie solară

EN IEC 61215-1:2021

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements

doa: 2021-06-30 dop: 2021-12-30

dow: 2024-03-30

EN IEC 61215-1-1:2021

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules

doa: 2021-06-30 dop: 2021-12-30

dow: 2024-03-30

EN IEC 61215-1-3:2021

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules

doa: 2021-06-30 dop: 2021-12-30

dow: 2024-03-30

EN IEC 61215-1-4:2021

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)₂ based photovoltaic (PV) modules

doa: 2021-06-30 dop: 2021-12-30

dow: 2024-03-30

EN IEC 61215-2:2021

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures

doa: 2021-06-30 dop: 2021-12-31

dow: 2024-03-31

29.035 Materiale electroizolante

**29.035.20 Materiale electroizolante din
materiale plastice și cauciuc**

EN 50290-2-24:2021

Communication cables - Part 2-24: Common design rules and construction - Polyethylene sheathing compounds

doa: 2021-07-19 dop: 2022-01-19

dow: 2024-01-19

EN 50290-2-27:2021

Communication cables - Part 2-27: Common design rules and construction - Halogen free polyolefin based sheathing compounds for cables having improved flame and fire properties (HFFR)

doa: 2021-07-19 dop: 2022-01-19

dow: 2024-01-19

29.080 Izolații electrice

29.080.20 Treceri izolate

EN 50336:2021

Bushings for transformers and reactor cable boxes not exceeding 36 kV

doa: 2021-09-30 dop: 2022-03-30

dow: 2024-03-30

29.120 Accesorii electrice

EN 62423:2012/A11:2021

Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses

doa: 2021-09-08 dop: 2022-03-08

dow: 2024-03-08

**29.120.10 Tuburi pentru scopuri
electrice**

EN IEC 60670-1:2021

Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 1: General requirements

doa: 2021-07-16 dop: 2021-10-16

dow: 2023-04-09

EN IEC 60670-1:2021/A11:2021

Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 1: General requirements

doa: 2021-07-16 dop: 2021-10-16
dow: 2023-04-09

29.120.50 Siguranțe fuzibile și alte aparate de protecție la scurtcircuit**EN IEC 62020-1:2021**

Electrical accessories - Residual current monitors (RCMs) - Part 1: RCMs for household and similar uses

doa: 2021-07-16 dop: 2021-10-16
dow: 2024-04-16

EN 62423:2012/A11:2021

Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses

doa: 2021-09-08 dop: 2022-03-08
dow: 2024-03-08

29.120.99 Alte accesorii electrice**EN IEC 60947-4-1:2019/AC:2021-04**

Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters

doa: dop: dow:

EN IEC 63210:2021

Shunt power capacitors of the self-healing type for AC systems having a rated voltage above 1 000 V

doa: 2021-07-15 dop: 2022-01-15
dow: 2024-04-15

29.130 Aparate de conectare și comandă**29.130.20 Aparate de conectare și comandă de joasă tensiune****EN IEC 60947-4-1:2019/AC:2021-04**

Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters

doa: dop: dow:

EN IEC 60947-5-8:2021

Low-voltage switchgear and controlgear -

Part 5-8: Control circuit devices and switching elements - Three-position enabling switches

doa: 2021-07-02 dop: 2021-10-02
dow: 2024-04-02

29.140 Lămpi și accesorii**29.140.10 Dulii și socluri pentru lămpi****EN 60838-1:2017/A2:2021**

Miscellaneous lampholders - Part 1: General requirements and tests

doa: 2021-07-02 dop: 2021-10-02
dow: 2024-04-02

29.160 Mașini electrice rotative**29.160.30 Motoare electrice****EN IEC 61800-2:2021**

Adjustable speed electrical power drive systems - Part 2: General requirements - Rating specifications for adjustable speed AC power drive systems

doa: 2021-07-07 dop: 2022-01-07
dow: 2024-04-07

29.180 Transformatoare. Bobine de inductanță**EN 50336:2021**

Bushings for transformers and reactor cable boxes not exceeding 36 kV

doa: 2021-09-30 dop: 2022-03-30
dow: 2024-03-30

29.200 Redresoare. Convertizoare. Surse stabilizate**EN IEC 61800-2:2021**

Adjustable speed electrical power drive systems - Part 2: General requirements - Rating specifications for adjustable speed AC power drive systems

doa: 2021-07-07 dop: 2022-01-07
dow: 2024-04-07

29.220 Acumulatori și elemente galvanice**EN IEC 62680-1-2:2021**

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification

doa: 2021-07-20 dop: 2022-01-20
dow: 2024-04-20

29.240 Rețele de transport și distribuție a energiei electrice

29.240.99 Alte echipamente referitoare la instalații de transport și distribuție a energiei electrice

EN IEC 61472-2:2021

Live working - Minimum approach distances - Part 2: Method of determination of the electrical component distance for AC systems from 1,0 kV to 72,5 kV
doa: 2021-07-13 dop: 2022-01-13
dow: 2024-04-13

EN IEC 63245-1:2021

Spatial wireless power transfer based on multiple magnetic resonances - Part 1: Requirements
doa: 2021-07-13 dop: 2022-01-13
dow: 2024-04-13

29.260 Echipament electric pentru condiții speciale

29.260.20 Aparate și echipamente electrice pentru medii explozive

CLC IEC/TS 60079-43:2021

Explosive atmospheres - Part 43: Equipment in adverse service conditions
doa: 2021-10-19 dop: dow:

29.260.99 Alte echipamente electrice pentru condiții speciale

EN IEC 61472-2:2021

Live working - Minimum approach distances - Part 2: Method of determination of the electrical component distance for AC systems from 1,0 kV to 72,5 kV
doa: 2021-07-13 dop: 2022-01-13
dow: 2024-04-13

31.060 Condensatoare

31.060.70 Condensatoare de putere

EN IEC 63210:2021

Shunt power capacitors of the self-healing type for AC systems having a rated voltage above 1 000 V
doa: 2021-07-15 dop: 2022-01-15
dow: 2024-04-15

31.180 Plăci și circuite imprimate

EN IEC 61188-6-1:2021

Circuit boards and circuit board assemblies - Design and use - Part 6-1: Land pattern design - Generic requirements for land pattern on circuit boards
doa: 2021-06-30 dop: 2021-12-30
dow: 2024-03-30

EN IEC 61189-5-301:2021

Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-301: General test methods for materials and assemblies - Soldering paste using fine solder particles
doa: 2021-07-21 dop: 2022-01-21
dow: 2024-04-21

31.190 Ansambluri de componente electronice

EN IEC 61188-6-1:2021

Circuit boards and circuit board assemblies - Design and use - Part 6-1: Land pattern design - Generic requirements for land pattern on circuit boards
doa: 2021-06-30 dop: 2021-12-30
dow: 2024-03-30

31.200 Circuite integrate. Microelectronică

EN IEC 61967-4:2021

Integrated circuits - Measurement of electromagnetic emissions - Part 4: Measurement of conducted emissions - 1 ?/150 ? direct coupling method
doa: 2021-07-20 dop: 2022-01-20
dow: 2024-04-20

31.220 Componente electromecanice pentru echipamente electronice și de telecomunicații

31.220.10 Fișe. Conectoare

EN IEC 63171:2021

Connectors for electrical and electronic equipment - Shielded or unshielded free and fixed connectors for balanced single-pair data transmission with current-carrying capacity - General requirements and tests
doa: 2021-07-15 dop: 2022-01-15
dow: 2024-04-15

33.100 Compatibilitate electromagnetice (EMC)

33.100.10 Emisie**EN 55011:2016/A2:2021**

Industrial, scientific and medical equipment -
Radio-frequency disturbance characteristics -
Limits and methods of measurement
doa: 2021-07-09 dop: 2021-10-09
dow: 2024-04-09

EN IEC 61000-3-2:2019/A1:2021

Electromagnetic compatibility (EMC) - Part 3-
2: Limits - Limits for harmonic current
emissions (equipment input current =16 A per
phase)
doa: 2021-07-09 dop: 2021-10-09
dow: 2024-04-09

EN IEC 61851-21-2:2021

Electric vehicle conductive charging system -
Part 21-2: Electric vehicle requirements for
conductive connection to an AC/DC supply -
EMC requirements for off board electric
vehicle charging systems
doa: 2021-07-30 dop: 2021-10-30
dow: 2024-04-30

33.100.99 Alte aspecte referitoare la EMC**EN 61000-4-30:2015/A1:2021**

Electromagnetic compatibility (EMC) - Part 4-
30: Testing and measurement techniques -
Power quality measurement methods
doa: 2021-07-08 dop: 2022-01-08
dow: 2024-04-08

33.120 Componente și accesorii pentru echipament de telecomunicații**EN IEC 62680-1-2:2021**

Universal serial bus interfaces for data and
power - Part 1-2: Common components -
USB Power Delivery specification
doa: 2021-07-20 dop: 2022-01-20
dow: 2024-04-20

33.120.10 Cabluri coaxiale. Ghiduri de undă**EN 50290-2-24:2021**

Communication cables - Part 2-24: Common
design rules and construction - Polyethylene
sheathing compounds
doa: 2021-07-19 dop: 2022-01-19
dow: 2024-01-19

EN 50290-2-27:2021

Communication cables - Part 2-27: Common
design rules and construction - Halogen free
polyolefin based sheathing compounds for
cables having improved flame and fire
properties (HFFR)
doa: 2021-07-19 dop: 2022-01-19
dow: 2024-01-19

33.120.30 Conectoare pentru frecvențe radio**EN IEC 61169-60:2021**

Radio-frequency connectors - Part 60:
Sectional specification for RF coaxial
connectors with push on mating -
Characteristic impedance 50 Ohm (type
SMPM)
doa: 2021-07-21 dop: 2022-01-21
dow: 2024-04-21

EN IEC 61169-66:2021

Radio-frequency connectors - Part 66:
Sectional specification for RF coaxial
connectors with 5 mm inner diameter of outer
conductor, with quick-lock- or screw-coupling,
characteristic impedance 50 O (series 2,2-5)
doa: 2021-06-30 dop: 2021-12-30
dow: 2024-03-30

33.180 Comunicații prin fibră optică**33.180.10 Fibre optice și cabluri****EN IEC 60793-2-40:2021**

Optical fibres - Part 2-40: Product
specifications - Sectional specification for
category A4 multimode fibres
doa: 2021-07-01 dop: 2022-01-01
dow: 2024-04-01

EN IEC 61280-2-8:2021

Fibre optic communication subsystem test
procedures - Part 2-8: Digital systems -
Determination of low BER using Q-factor
measurements
doa: 2021-07-06 dop: 2022-01-06
dow: 2024-04-06

33.180.20 Dispozitive de interconectare prin fibre optice**EN IEC 61300-2-10:2021**

Fibre optic interconnecting devices and
passive components - Basic test and
measurement procedures - Part 2-10: Tests -
Crush and load resistance

doa: 2021-07-06 dop: 2022-01-06
dow: 2024-04-06

33.180.30 Amplificatoare cu fibre optice

EN IEC 61290-1-3:2021

Optical amplifiers - Test methods - Part 1-3: Power and gain parameters - Optical power meter method

doa: 2021-07-05 dop: 2022-01-05
dow: 2024-04-05

33.200 Telecomandă. Teleconducere

EN IEC 61968-13:2021

Application integration at electric utilities - System interfaces for distribution management - Part 13: Common distribution power system model profiles

doa: 2021-07-20 dop: 2022-01-20
dow: 2024-04-20

EN IEC 61970-457:2021

Energy Management system application program interface (EMS-API) – Part 457: Dynamics profile

doa: 2021-07-20 dop: 2022-01-20
dow: 2024-04-20

EN IEC 62325-451-7:2021

Framework for energy market communications - Part 451-7: Balancing processes, contextual and assembly models for European style market

doa: 2021-07-21 dop: 2022-01-21
dow: 2024-04-21

35.020 Tehnologia informației (IT) în general

EN 50600-2-1:2021

Information technology - Data centre facilities and infrastructures - Part 2-1: Building construction

doa: 2021-09-22 dop: 2022-03-22
dow: 2024-03-22

EN 50600-2-5:2021

Information technology - Data centre facilities and infrastructures - Part 2-5: Security systems

doa: 2021-09-22 dop: 2022-03-22
dow: 2024-03-22

35.030 Securitatea IT

EN ISO/IEC 27701:2021

Security techniques - Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management - Requirements and guidelines (ISO/IEC 27701:2019)

doa: 2021-07-31 dop: 2021-10-31
dow: 2021-10-31

EN IEC 63154:2021

Maritime navigation and radiocommunication equipment and systems - Cybersecurity - General requirements, methods of testing and required test results

doa: 2021-07-13 dop: 2022-01-13
dow: 2024-04-13

35.110 Rețele

EN 50600-2-1:2021

Information technology - Data centre facilities and infrastructures - Part 2-1: Building construction

doa: 2021-09-22 dop: 2022-03-22
dow: 2024-03-22

EN 50600-2-5:2021

Information technology - Data centre facilities and infrastructures - Part 2-5: Security systems

doa: 2021-09-22 dop: 2022-03-22
dow: 2024-03-22

35.160 Sisteme de microprocesoare

EN 50600-2-5:2021

Information technology - Data centre facilities and infrastructures - Part 2-5: Security systems

doa: 2021-09-22 dop: 2022-03-22
dow: 2024-03-22

35.200 Echipament de interfață și interconectare

EN IEC 62680-1-2:2021

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification

doa: 2021-07-20 dop: 2022-01-20
dow: 2024-04-20

EN IEC 63245-1:2021

Spatial wireless power transfer based on multiple magnetic resonances - Part 1: Requirements

doa: 2021-07-13 dop: 2022-01-13
dow: 2024-04-13

43.120 Vehicule rutiere electrice**EN IEC 61851-21-2:2021**

Electric vehicle conductive charging system - Part 21-2: Electric vehicle requirements for conductive connection to an AC/DC supply - EMC requirements for off board electric vehicle charging systems

doa: 2021-07-30 dop: 2021-10-30
dow: 2024-04-30

45.060 Material rulant pentru căi ferate**45.060.01 Material rulant pentru căi ferate în general****CLC/TR 50718:2021**

Guidelines for the use of EN 45545-2 for Ni-Cd batteries on board rolling stock

doa: dop: dow:

47.020 Construcții navale și structuri maritime în general**47.020.70 Echipament pentru navigație și control****EN IEC 63154:2021**

Maritime navigation and radiocommunication equipment and systems - Cybersecurity - General requirements, methods of testing and required test results

doa: 2021-07-13 dop: 2022-01-13
dow: 2024-04-13

65.060 Mașini și echipamente agricole**65.060.70 Utilaje pentru horticultură****EN 50636-2-107:2015/A3:2021**

Safety of household and similar appliances - Part 2-107: Particular requirements for robotic battery powered electrical lawnmowers

doa: 2021-09-22 dop: 2022-03-22
dow: 2024-03-22

71.040 Chimie analitică**71.040.10 Laboratoare de analize chimice. Echipament de laborator****EN IEC 61010-2-030:2021**

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: Particular requirements for

equipment having testing or measuring circuits

doa: 2021-07-02 dop: 2021-10-02
dow: 2024-04-02

EN IEC 61010-2-030:2021/A11:2021

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: Particular requirements for equipment having testing or measuring circuits

doa: 2021-07-02 dop: 2021-10-02
dow: 2024-04-02

EN IEC 61010-2-034:2021

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength

doa: 2021-09-15 dop: 2022-03-15
dow: 2024-03-15

EN IEC 61010-2-034:2021/A11:2021

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength

doa: 2021-09-15 dop: 2022-03-15
dow: 2024-03-15

EN IEC 61010-2-091:2021

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems

doa: 2021-10-01 dop: 2022-04-01
dow: 2024-04-01

EN IEC 61010-2-091:2021/A11:2021

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems

doa: 2021-10-01 dop: 2022-04-01
dow: 2024-04-01

91.140 Instalații în clădiri**91.140.50 Sisteme de alimentare cu energie electrică****EN 50600-2-1:2021**

Information technology - Data centre facilities and infrastructures - Part 2-1: Building

EN IEC 62053-24:2021

Electricity metering equipment - Particular requirements - Part 24: Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)

doa: 2021-07-02 dop: 2021-10-02

dow: 2024-04-02

97.040

Echipment de bucătărie

97.040.40

Mașini de spălat vase

EN IEC 63136:2019/AC:2021-04

Electric dishwashers for commercial use - Test methods for measuring the performance

doa: dop: dow:



**STANDARDE / DOCUMENTE DE STANDARDIZARE EUROPENE
ETSI APROBATE**

În perioada 2021.04.01 – 2021.04.29

GS E4P 003 V1.1.1:2021

Comitet Tehnic ETSI: E4P

Europe for Privacy-Preserving Pandemic Protection (E4P); High level requirements for pandemic contact tracing systems using mobile devices

GS CIM 009 V1.4.2:2021

Comitet Tehnic ETSI: CIM

Context Information Management (CIM);
NGSI-LD API

GR CIM 011 V1.1.1:2021

Comitet Tehnic ETSI: CIM

Context Information Management (CIM);
NGSI-LD Testing Framework: Test Purposes
Description Language (TPDL)

GS CIM 014 V1.1.1:2021

Comitet Tehnic ETSI: CIM

Context Information Management (CIM);
NGSI-LD Test Suite

GS CIM 016 V1.1.1:2021

Comitet Tehnic ETSI: CIM

Context Information Management (CIM);
NGSI-LD Testing Framework: Test Template

GR mWT 022 V1.1.1:2021

Comitet Tehnic ETSI: mWT

Analysis of Spectrum, License Schemes and
Network Scenarios in the RF bands above
174,8 GHz

TS 101 220 V16.0.0:2021

Comitet Tehnic ETSI: SCP TEC

Smart Cards; ETSI numbering system for
telecommunication application providers
(Release 16)

TS 102 221 V16.4.0:2021

Comitet Tehnic ETSI: SCP TEC

Smart Cards; UICC-Terminal interface;
Physical and logical characteristics (Release
16)

TS 102 230-2 V13.1.0:2021

Comitet Tehnic ETSI: SCP TEST

Smart Cards; UICC-Terminal interface;
Physical, electrical and logical test
specification; Part 2: UICC features (Release
13)

TS 102 232-5 V3.14.1:2021

Comitet Tehnic ETSI: LI

Lawful Interception (LI); Handover Interface
and Service-Specific Details (SSD) for IP
delivery; Part 5: Service-specific details for IP
Multimedia services

TS 102 267 V16.0.0:2021

Comitet Tehnic ETSI: SCP TEC

Smart Cards; Connection Oriented Service
API for the Java Card(TM) platform (Release
16)

TS 102 267 V17.0.0:2021

Comitet Tehnic ETSI: SCP TEC

Smart Cards; Connection Oriented Service
API for the Java Card(TM) platform (Release
17)

TS 102 657 V1.27.1:2021

Comitet Tehnic ETSI: LI

Lawful Interception (LI); Retained data
handling; Handover interface for the request
and delivery of retained data

TS 102 796 V1.6.1:2021

Comitet Tehnic ETSI: BROADCAST

Hybrid Broadcast Broadband TV

TS 103 221-1 V1.8.1:2021

Comitet Tehnic ETSI: LI
Lawful Interception (LI); Internal Network Interfaces; Part 1: X1

TS 103 221-2 V1.4.1:2021

Comitet Tehnic ETSI: LI
Lawful Interception (LI); Internal Network Interfaces; Part 2: X2/X3

TR 103 300-1 V2.2.1:2021

Comitet Tehnic ETSI: ITS WG1
Intelligent Transport Systems (ITS);
Vulnerable Road Users (VRU) awareness;
Part 1: Use Cases definition; Release 2

TS 103 300-2 V2.2.1:2021

Comitet Tehnic ETSI: ITS WG1
Intelligent Transport Systems (ITS);
Vulnerable Road Users (VRU) awareness;
Part 2: Functional Architecture and
Requirements definition; Release 2

TS 103 300-3 V2.1.2:2021

Comitet Tehnic ETSI: ITS WG1
Intelligent Transport Systems (ITS);
Vulnerable Road Users (VRU) awareness;
Part 3: Specification of VRU awareness basic
service; Release 2

TS 103 428 V1.2.2:2021

Comitet Tehnic ETSI: MSG
Mobile Standards Group (MSG); eCall HLAP
Interoperability Testing

TS 103 597-2 V1.1.1:2021

Comitet Tehnic ETSI: MTS TST
Methods for Testing and Specification (MTS);
Test Specification for MQTT; Part 2: Security
Tests

TS 103 636-1 V1.2.1:2021

Comitet Tehnic ETSI: DECT
DECT-2020 New Radio (NR); Part 1:
Overview; Release 1

TS 103 636-2 V1.2.1:2021

Comitet Tehnic ETSI: DECT
DECT-2020 New Radio (NR); Part 2: Radio
reception and transmission requirements;
Release 1

TS 103 636-3 V1.2.1:2021

Comitet Tehnic ETSI: DECT
DECT-2020 New Radio (NR); Part 3:
Physical layer; Release 1

TS 103 636-4 V1.2.1:2021

Comitet Tehnic ETSI: DECT
DECT-2020 New Radio (NR); Part 4: MAC
layer; Release 1

TS 103 666-1 V15.6.0:2021

Comitet Tehnic ETSI: SCP
Smart Secure Platform (SSP); Part 1:
General characteristics (Release 15)

TS 103 666-1 V16.2.0:2021

Comitet Tehnic ETSI: SCP
Smart Secure Platform (SSP); Part 1:
General characteristics (Release 16)

TR 103 716 V1.1.1:2021

Comitet Tehnic ETSI: SmartM2M
SmartM2M; oneM2M Discovery and Query
solution(s) simulation and performance
evaluation

TR 103 751 V1.1.1:2021

Comitet Tehnic ETSI: SmartBAN
Smart Body Area Networks (SmartBAN);
Implant communications

TS 103 794 V1.1.1:2021

Comitet Tehnic ETSI: ITS WG4
Intelligent Transport Systems (ITS); LTE-V2X
Access layer for Intelligent Transport
Systems operating in the 5 GHz frequency
band; Test specification

TS 103 799 V1.1.1:2021

Comitet Tehnic ETSI: BROADCAST
Publicly Available Specification (PAS);
DASH-IF Content Protection Information
Exchange Format

TS 119 495 V1.5.1:2021

Comitet Tehnic ETSI: ESI
Electronic Signatures and Infrastructures
(ESI); Sector Specific Requirements;
Certificate Profiles and TSP Policy
Requirements for Open Banking

TR 121 900 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Technical Specification Group working
methods (3GPP TR 21.900 version 16.4.0
Release 16)

TS 122 125 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP SA

5G; Unmanned Aerial System (UAS) support in 3GPP (3GPP TS 22.125 version 16.4.0 Release 16)

TS 122 261 V16.14.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Service requirements for the 5G system (3GPP TS 22.261 version 16.14.0 Release 16)

TS 122 278 V13.6.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 13.6.0 Release 13)

TS 122 278 V14.6.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 14.6.0 Release 14)

TS 122 278 V15.5.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 15.5.0 Release 15)

TS 122 278 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 16.3.0 Release 16)

TR 122 977 V15.0.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Feasibility study for speech-enabled services (3GPP TR 22.977 version 15.0.0 Release 15)

TS 123 003 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Numbering, addressing and identification (3GPP TS 23.003 version 16.6.0 Release 16)

TS 123 015 V16.1.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Technical realization of Operator Determined Barring (ODB) (3GPP TS 23.015 version 16.1.0 Release 16)

TS 123 122 V16.9.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode (3GPP TS 23.122 version 16.9.0 Release 16)

TS 123 273 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; 5G System (5GS) Location Services (LCS); Stage 2 (3GPP TS 23.273 version 16.6.0 Release 16)

TS 123 288 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 16.7.0 Release 16)

TS 123 333 V12.12.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 12.12.0 Release 12)

TS 123 333 V13.8.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 13.8.0 Release 13)

TS 123 333 V14.5.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 14.5.0 Release 14)

TS 123 333 V15.2.0:2021

Comitet Tehnic ETSI: 3GPP CT

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 15.2.0 Release 15)

TS 123 333 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 16.2.0 Release 16)

TS 123 334 V13.12.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW) interface: Procedures descriptions (3GPP TS 23.334 version 13.12.0 Release 13)

TS 123 334 V14.8.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW) interface: Procedures descriptions (3GPP TS 23.334 version 14.8.0 Release 14)

TS 123 334 V15.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW) interface: Procedures descriptions (3GPP TS 23.334 version 15.3.0 Release 15)

TS 123 334 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;

IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW) interface: Procedures descriptions (3GPP TS 23.334 version 16.3.0 Release 16)

TS 123 380 V15.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IMS Restoration Procedures (3GPP TS 23.380 version 15.3.0 Release 15)

TS 123 380 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IMS Restoration Procedures (3GPP TS 23.380 version 16.3.0 Release 16)

TS 123 401 V16.10.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 16.10.0 Release 16)

TS 123 501 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; System architecture for the 5G System (5GS) (3GPP TS 23.501 version 16.8.0 Release 16)

TS 123 502 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Procedures for the 5G System (5GS) (3GPP TS 23.502 version 15.13.0 Release 15)

TS 123 502 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Procedures for the 5G System (5GS) (3GPP TS 23.502 version 16.8.0 Release 16)

TS 123 503 V15.9.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Policy and charging control framework for the 5G System (5GS); Stage 2 (3GPP TS 23.503 version 15.9.0 Release 15)

TS 123 503 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Policy and charging control framework for the 5G System (5GS); Stage 2 (3GPP TS 23.503 version 16.8.0 Release 16)

TS 123 632 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; User data interworking, coexistence and migration; Stage 2 (3GPP TS 23.632 version 16.5.0 Release 16)

TS 123 682 V16.9.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Architecture enhancements to facilitate communications with packet data networks and applications (3GPP TS 23.682 version 16.9.0 Release 16)

TS 124 008 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile radio interface Layer 3 specification; Core network protocols; Stage 3 (3GPP TS 24.008 version 16.7.0 Release 16)

TS 124 103 V12.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS); Stage 3 (3GPP TS 24.103 version 12.6.0 Release 12)

TS 124 103 V13.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS); Stage 3 (3GPP TS 24.103 version 13.3.0 Release 13)

TS 124 103 V14.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS); Stage 3 (3GPP TS 24.103 version 14.3.0 Release 14)

TS 124 103 V15.1.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS); Stage 3 (3GPP TS 24.103 version 15.1.0 Release 15)

TS 124 103 V16.1.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS); Stage 3 (3GPP TS 24.103 version 16.1.0 Release 16)

TS 124 174 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; Universal Mobile Telecommunications System (UMTS); LTE; Support of multi-device and multi-identity in the IP Multimedia Subsystem (IMS); Stage 3 (3GPP TS 24.174 version 16.2.0 Release 16)

TS 124 193 V16.3.1:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access Traffic Steering, Switching and Splitting (ATSSS); Stage 3 (3GPP TS 24.193 version 16.3.1 Release 16)

TS 124 229 V12.25.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 12.25.0 Release 12)

TS 124 229 V13.20.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 13.20.0 Release 13)

TS 124 229 V14.16.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 14.16.0 Release 14)

TS 124 229 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP CT

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 15.13.0 Release 15)

TS 124 229 V16.9.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 16.9.0 Release 16)

TS 124 301 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3 (3GPP TS 24.301 version 16.8.0 Release 16)

TS 124 368 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Non-Access Stratum (NAS) configuration Management Object (MO) (3GPP TS 24.368 version 16.6.0 Release 16)

TS 124 371 V12.12.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS); Stage 3; Protocol specification (3GPP TS 24.371 version 12.12.0 Release 12)

TS 124 371 V13.13.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS); Stage 3; Protocol specification (3GPP TS 24.371 version 13.13.0 Release 13)

TS 124 371 V14.10.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications

System (UMTS); LTE; Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS); Stage 3; Protocol specification (3GPP TS 24.371 version 14.10.0 Release 14)

TS 124 371 V15.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS); Stage 3; Protocol specification (3GPP TS 24.371 version 15.4.0 Release 15)

TS 124 371 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS); Stage 3; Protocol specification (3GPP TS 24.371 version 16.2.0 Release 16)

TS 124 379 V13.17.0:2021

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Push To Talk (MCPTT) call control; Protocol specification (3GPP TS 24.379 version 13.17.0 Release 13)

TS 124 379 V14.13.0:2021

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Push To Talk (MCPTT) call control; Protocol specification (3GPP TS 24.379 version 14.13.0 Release 14)

TS 124 379 V15.10.0:2021

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Push To Talk (MCPTT) call control; Protocol specification (3GPP TS 24.379 version 15.10.0 Release 15)

TS 124 379 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Push To Talk (MCPTT) call control; Protocol specification (3GPP TS 24.379 version 16.8.0 Release 16)

TS 124 486 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Vehicle-to-Everything (V2X) Application Enabler (VAE) layer; Protocol aspects; Stage 3 (3GPP TS 24.486 version 16.3.0 Release 16)

TS 124 501 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; Non-Access-Stratum (NAS) protocol for 5G System (5GS); Stage 3 (3GPP TS 24.501 version 16.8.0 Release 16)

TS 124 502 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; Access to the 3GPP 5G Core Network (5GCN) via non-3GPP access networks (3GPP TS 24.502 version 16.7.0 Release 16)

TS 124 526 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; User Equipment (UE) policies for 5G System (5GS); Stage 3 (3GPP TS 24.526 version 16.7.0 Release 16)

TS 124 545 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; Location Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.545 version 16.4.0 Release 16)

TS 124 548 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; Network Resource Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.548 version 16.3.0 Release 16)

TS 124 587 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; Vehicle-to-Everything (V2X) services in 5G System (5GS); Stage 3 (3GPP TS 24.587 version 16.4.0 Release 16)

TS 124 588 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; Vehicle-to-Everything (V2X) services in 5G System (5GS); User Equipment (UE) policies; Stage 3 (3GPP TS 24.588 version 16.4.0 Release 16)

TS 125 401 V16.0.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN overall description (3GPP TS 25.401 version 16.0.0 Release 16)

TS 125 433 V16.0.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface Node B Application Part (NBAP) signalling (3GPP TS 25.433 version 16.0.0 Release 16)

TS 126 093 V16.1.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mandatory speech codec speech processing functions Adaptive Multi-Rate (AMR) speech codec; Source controlled rate operation (3GPP TS 26.093 version 16.1.0 Release 16)

TS 126 115 V16.0.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Echo control for speech and multimedia services (3GPP TS 26.115 version 16.0.0 Release 16)

TR 126 905 V16.0.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile stereoscopic 3D video (3GPP TR 26.905 version 16.0.0 Release 16)

TR 126 906 V16.0.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evaluation of High Efficiency Video Coding (HEVC) for 3GPP services (3GPP TR 26.906 version 16.0.0 Release 16)

TR 126 907 V16.0.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; HTML5 for a new presentation layer in 3GPP services (3GPP TR 26.907 version 16.0.0 Release 16)

TR 126 909 V16.0.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Study on improved streaming Quality of Experience (QoE) reporting in 3GPP services and networks (3GPP TR 26.909 version 16.0.0 Release 16)

TS 127 007 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; AT command set for User Equipment (UE) (3GPP TS 27.007 version 16.8.0 Release 16)

TS 128 310 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; LTE; Management and orchestration;
Energy efficiency of 5G (3GPP TS 28.310
version 16.4.0 Release 16)

TS 128 531 V16.9.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration;
Provisioning (3GPP TS 28.531 version 16.9.0
Release 16)

TS 128 532 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Generic
management services (3GPP TS 28.532
version 16.7.0 Release 16)

TS 128 533 V15.5.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration;
Architecture framework (3GPP TS 28.533
version 15.5.0 Release 15)

TS 128 533 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration;
Architecture framework (3GPP TS 28.533
version 16.7.0 Release 16)

TS 128 535 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; LTE; Management and orchestration;
Management services for communication
service assurance; Requirements (3GPP TS
28.535 version 16.3.0 Release 16)

TS 128 536 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration;
Management services for communication
service assurance; Stage 2 and stage 3
(3GPP TS 28.536 version 16.3.0 Release 16)

TS 128 541 V15.8.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G
Network Resource Model (NRM); Stage 2
and stage 3 (3GPP TS 28.541 version 15.8.0
Release 15)

TS 128 541 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G
Network Resource Model (NRM); Stage 2
and stage 3 (3GPP TS 28.541 version 16.8.0
Release 16)

TS 128 554 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G end
to end Key Performance Indicators (KPI)
(3GPP TS 28.554 version 16.8.0 Release 16)

TS 128 622 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications
System (UMTS); LTE; 5G;
Telecommunication management; Generic
Network Resource Model (NRM) Integration
Reference Point (IRP); Information Service
(IS) (3GPP TS 28.622 version 16.7.0
Release 16)

TS 128 623 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications
System (UMTS); LTE; 5G;
Telecommunication management; Generic
Network Resource Model (NRM) Integration
Reference Point (IRP); Solution Set (SS)
definitions (3GPP TS 28.623 version 16.7.0
Release 16)

TS 128 656 V16.0.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications
System (UMTS); LTE; Telecommunication
management; GSM/EDGE Radio Access
Network (GERAN) Network Resource Model
(NRM) Integration Reference Point (IRP);
Solution Set (SS) definitions (3GPP TS
28.656 version 16.0.0 Release 16)

TS 129 002 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Mobile Application Part (MAP)
specification (3GPP TS 29.002 version 16.2.0
Release 16)

TS 129 122 V15.10.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications
System (UMTS); LTE; 5G; T8 reference point
for Northbound APIs (3GPP TS 29.122
version 15.10.0 Release 15)

TS 129 122 V16.9.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications
System (UMTS); LTE; 5G; T8 reference point
for Northbound APIs (3GPP TS 29.122
version 16.9.0 Release 16)

TS 129 165 V12.22.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 12.22.0 Release 12)

TS 129 165 V13.16.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 13.16.0 Release 13)

TS 129 165 V14.15.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 14.15.0 Release 14)

TS 129 165 V15.12.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 15.12.0 Release 15)

TS 129 165 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 16.5.0 Release 16)

TS 129 171 V15.5.1:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Location Services (LCS); LCS Application Protocol (LCS-AP) between the Mobile Management Entity (MME) and Evolved Serving Mobile Location Centre (E-SMLC); SLs interface (3GPP TS 29.171 version 15.5.1 Release 15)

TS 129 171 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Location Services (LCS); LCS Application Protocol (LCS-AP) between the Mobile Management Entity (MME) and Evolved Serving Mobile Location Centre (E-SMLC); SLs interface (3GPP TS 29.171 version 16.2.0 Release 16)

TS 129 222 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; LTE; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 16.6.0 Release 16)

TS 129 230 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Diameter applications; 3GPP specific codes and identifiers (3GPP TS 29.230 version 16.6.0 Release 16)

TS 129 244 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 16.7.0 Release 16)

TS 129 272 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evolved Packet System (EPS); Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol (3GPP TS 29.272 version 16.6.0 Release 16)

TS 129 274 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3GPP Evolved Packet System (EPS); Evolved General Packet Radio Service (GPRS) Tunnelling Protocol for Control plane (GTPv2-C); Stage 3 (3GPP TS 29.274 version 16.7.0 Release 16)

TS 129 281 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; General Packet Radio System (GPRS) Tunnelling Protocol

User Plane (GTPv1-U) (3GPP TS 29.281 version 16.2.0 Release 16)

TS 129 303 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Domain Name System Procedures; Stage 3 (3GPP TS 29.303 version 16.4.0 Release 16)

TS 129 329 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Sh interface based on the Diameter protocol; Protocol details (3GPP TS 29.329 version 16.2.0 Release 16)

TS 129 333 V12.10.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3 (3GPP TS 29.333 version 12.10.0 Release 12)

TS 129 333 V13.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3 (3GPP TS 29.333 version 13.6.0 Release 13)

TS 129 333 V14.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3 (3GPP TS 29.333 version 14.3.0 Release 14)

TS 129 333 V15.2.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3

(3GPP TS 29.333 version 15.2.0 Release 15)

TS 129 333 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3 (3GPP TS 29.333 version 16.2.0 Release 16)

TS 129 334 V13.10.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IMS Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW); Iq Interface; Stage 3 (3GPP TS 29.334 version 13.10.0 Release 13)

TS 129 334 V14.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IMS Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW); Iq Interface; Stage 3 (3GPP TS 29.334 version 14.6.0 Release 14)

TS 129 334 V15.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IMS Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW); Iq Interface; Stage 3 (3GPP TS 29.334 version 15.3.0 Release 15)

TS 129 334 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IMS Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW); Iq Interface; Stage 3 (3GPP TS 29.334 version 16.3.0 Release 16)

TS 129 337 V16.1.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Diameter-based T4 Interface for communications with packet data networks and applications (3GPP TS

TS 129 338 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications
System (UMTS); LTE; 5G; Diameter based
protocols to support Short Message Service
(SMS) capable Mobile Management Entities
(MMEs) (3GPP TS 29.338 version 16.2.0
Release 16)

TS 129 486 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; V2X Application Enabler (VAE)
Services; Stage 3 (3GPP TS 29.486 version
16.3.0 Release 16)

TS 129 500 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Technical Realization of
Service Based Architecture; Stage 3 (3GPP
TS 29.500 version 16.7.0 Release 16)

TS 129 502 V15.10.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management
Services; Stage 3 (3GPP TS 29.502 version
15.10.0 Release 15)

TS 129 502 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management
Services; Stage 3 (3GPP TS 29.502 version
16.7.0 Release 16)

TS 129 503 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Unified Data Management
Services; Stage 3 (3GPP TS 29.503 version
16.7.0 Release 16)

TS 129 504 V15.8.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Unified Data Repository
Services; Stage 3 (3GPP TS 29.504 version
15.8.0 Release 15)

TS 129 504 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Unified Data Repository
Services; Stage 3 (3GPP TS 29.504 version
16.7.0 Release 16)

TS 129 505 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Usage of the Unified Data
Repository services for Subscription Data;
Stage 3 (3GPP TS 29.505 version 16.6.0

Release 16)

TS 129 507 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access and Mobility Policy
Control Service; Stage 3 (3GPP TS 29.507
version 16.7.0 Release 16)

TS 129 508 V15.9.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Event
Exposure Service; Stage 3 (3GPP TS 29.508
version 15.9.0 Release 15)

TS 129 508 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Event
Exposure Service; Stage 3 (3GPP TS 29.508
version 16.7.0 Release 16)

TS 129 509 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Authentication Server
Services; Stage 3 (3GPP TS 29.509 version
16.7.0 Release 16)

TS 129 510 V15.9.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network function repository
services; Stage 3 (3GPP TS 29.510 version
15.9.0 Release 15)

TS 129 510 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network function repository
services; Stage 3 (3GPP TS 29.510 version
16.7.0 Release 16)

TS 129 511 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Equipment Identity Register
Services; Stage 3 (3GPP TS 29.511 version
16.4.0 Release 16)

TS 129 512 V15.10.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Policy
Control Service; Stage 3 (3GPP TS 29.512
version 15.10.0 Release 15)

TS 129 512 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Policy
Control Service; Stage 3 (3GPP TS 29.512
version 16.8.0 Release 16)

TS 129 513 V15.10.0:2021

Comitet Tehnic ETSI: 3GPP CT

5G; 5G System; Policy and Charging Control signalling flows and QoS parameter mapping; Stage 3 (3GPP TS 29.513 version 15.10.0 Release 15)

TS 129 513 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Policy and Charging Control signalling flows and QoS parameter mapping; Stage 3 (3GPP TS 29.513 version 16.7.0 Release 16)

TS 129 514 V15.9.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Policy Authorization Service; Stage 3 (3GPP TS 29.514 version 15.9.0 Release 15)

TS 129 514 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Policy Authorization Service; Stage 3 (3GPP TS 29.514 version 16.8.0 Release 16)

TS 129 515 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Gateway Mobile Location Services; Stage 3 (3GPP TS 29.515 version 16.4.0 Release 16)

TS 129 517 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Application Function Event Exposure Service; Stage 3 (3GPP TS 29.517 version 16.4.0 Release 16)

TS 129 518 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access and Mobility Management Services; Stage 3 (3GPP TS 29.518 version 16.7.0 Release 16)

TS 129 519 V15.8.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure; Stage 3 (3GPP TS 29.519 version 15.8.0 Release 15)

TS 129 519 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure; Stage 3 (3GPP TS 29.519 version 16.7.0 Release 16)

TS 129 520 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Data Analytics Services; Stage 3 (3GPP TS 29.520 version 16.7.0 Release 16)

TS 129 521 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Binding Support Management Service; Stage 3 (3GPP TS 29.521 version 16.7.0 Release 16)

TS 129 522 V15.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Exposure Function Northbound APIs; Stage 3 (3GPP TS 29.522 version 15.7.0 Release 15)

TS 129 522 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Exposure Function Northbound APIs; Stage 3 (3GPP TS 29.522 version 16.7.0 Release 16)

TS 129 525 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; UE Policy Control Service; Stage 3 (3GPP TS 29.525 version 16.7.0 Release 16)

TS 129 531 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Slice Selection Services; Stage 3 (3GPP TS 29.531 version 16.6.0 Release 16)

TS 129 540 V15.9.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; SMS Services; Stage 3 (3GPP TS 29.540 version 15.9.0 Release 15)

TS 129 540 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; SMS Services; Stage 3 (3GPP TS 29.540 version 16.7.0 Release 16)

TS 129 541 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; 5G System; Network Exposure (NE) function services for Non-IP Data Delivery (NIDD); Stage 3 (3GPP TS 29.541 version 16.3.0 Release 16)

TS 129 542 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; 5G System; Session management services for Non-IP Data Delivery (NIDD); Stage 3 (3GPP TS 29.542 version 16.4.0 Release 16)

TS 129 551 V15.8.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Packet Flow Description
Management Service; Stage 3 (3GPP TS
29.551 version 15.8.0 Release 15)

TS 129 551 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Packet Flow Description
Management Service; Stage 3 (3GPP TS
29.551 version 16.7.0 Release 16)

TS 129 554 V15.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Background Data Transfer
Policy Control Service; Stage 3 (3GPP TS
29.554 version 15.6.0 Release 15)

TS 129 554 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Background Data Transfer
Policy Control Service; Stage 3 (3GPP TS
29.554 version 16.6.0 Release 16)

TS 129 561 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Interworking between 5G
Network and external Data Networks; Stage
3 (3GPP TS 29.561 version 16.7.0 Release
16)

TS 129 562 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Home Subscriber Server
(HSS) services for interworking with the IP
Multimedia Subsystem (IMS); Stage 3 (3GPP
TS 29.562 version 16.4.0 Release 16)

TS 129 563 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Home Subscriber Server
(HSS) services for interworking with Unified
Data Management (UDM); Stage 3 (3GPP
TS 29.563 version 16.4.0 Release 16)

TS 129 571 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Common Data Types for
Service Based Interfaces; Stage 3 (3GPP TS
29.571 version 16.7.0 Release 16)

TS 129 572 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Location Management
Services; Stage 3 (3GPP TS 29.572 version
16.6.0 Release 16)

TS 129 573 V15.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Public Land Mobile Network
(PLMN) Interconnection; Stage 3 (3GPP TS
29.573 version 15.4.0 Release 15)

TS 129 573 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Public Land Mobile Network
(PLMN) Interconnection; Stage 3 (3GPP TS
29.573 version 16.6.0 Release 16)

TS 129 591 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Exposure Function
Southbound Services; Stage 3 (3GPP TS
29.591 version 16.4.0 Release 16)

TS 129 594 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Spending Limit Control
Service; Stage 3 (3GPP TS 29.594 version
16.5.0 Release 16)

TS 129 598 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
5G; Unstructured data storage services
(3GPP TS 29.598 version 16.4.0 Release 16)

TS 129 673 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; 5G System; UE radio capability
management services; Stage 3 (3GPP TS
29.673 version 16.4.0 Release 16)

TS 131 101 V16.1.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications
System (UMTS); LTE; 5G; UICC-terminal
interface; Physical and logical characteristics
(3GPP TS 31.101 version 16.1.0 Release 16)

TS 131 111 V15.11.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Universal Subscriber Identity Module
(USIM) Application Toolkit (USAT) (3GPP TS
31.111 version 15.11.0 Release 15)

TS 131 111 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Universal Subscriber Identity Module

(USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 16.4.0 Release 16)

TS 131 121 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 16.3.0 Release 16)

TS 132 240 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Charging architecture and principles (3GPP TS 32.240 version 16.2.0 Release 16)

TS 132 254 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Telecommunication management; Charging management; Exposure function Northbound Application Program Interfaces (APIs) charging (3GPP TS 32.254 version 16.4.0 Release 16)

TS 132 255 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Charging management; 5G data connectivity domain charging; Stage 2 (3GPP TS 32.255 version 16.8.0 Release 16)

TS 132 256 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Charging management; 5G connection and mobility domain charging; Stage 2 (3GPP TS 32.256 version 16.2.0 Release 16)

TS 132 260 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging (3GPP TS 32.260 version 16.3.0 Release 16)

TS 132 290 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Charging management; 5G system; Services, operations and procedures of charging using Service Based Interface (SBI) (3GPP TS

32.290 version 16.7.0 Release 16)

TS 132 291 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Charging management; 5G system, charging service; Stage 3 (3GPP TS 32.291 version 16.7.0 Release 16)

TS 132 298 V16.8.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 16.8.0 Release 16)

TS 132 422 V11.14.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace control and configuration management (3GPP TS 32.422 version 11.14.0 Release 11)

TS 132 422 V12.6.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace control and configuration management (3GPP TS 32.422 version 12.6.0 Release 12)

TS 132 422 V13.2.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace control and configuration management (3GPP TS 32.422 version 13.2.0 Release 13)

TS 132 422 V14.2.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace control and configuration management (3GPP TS 32.422 version 14.2.0 Release 14)

TS 132 422 V15.6.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace control and configuration management (3GPP TS 32.422 version 15.6.0 Release 15)

TS 132 422 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace control and configuration management (3GPP TS 32.422 version 16.5.0 Release 16)

TS 132 423 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace data definition and management (3GPP TS 32.423 version 16.4.0 Release 16)

TS 133 108 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Handover interface for Lawful Interception (LI) (3GPP TS 33.108 version 16.3.0 Release 16)

TS 133 127 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Lawful Interception (LI) architecture and functions (3GPP TS 33.127 version 16.7.0 Release 16)

TS 133 128 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Security; Protocol and procedures for Lawful Interception (LI); Stage 3 (3GPP TS 33.128 version 16.6.0 Release 16)

TS 133 180 V14.9.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; Security of the Mission Critical (MC) service (3GPP TS 33.180 version 14.9.0 Release 14)

TS 133 180 V15.9.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; Security of the Mission Critical (MC) service (3GPP TS 33.180 version 15.9.0 Release 15)

TS 133 180 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; Security of the Mission Critical (MC) service (3GPP TS 33.180 version 16.6.0 Release 16)

TS 133 310 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); Authentication Framework (AF) (3GPP TS 33.310 version 16.7.0 Release 16)

TS 133 328 V12.9.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) media plane security (3GPP TS 33.328 version 12.9.0 Release 12)

TS 133 328 V13.1.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) media plane security (3GPP TS 33.328 version 13.1.0 Release 13)

TS 133 328 V14.1.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) media plane security (3GPP TS 33.328 version 14.1.0 Release 14)

TS 133 328 V15.1.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) media plane security (3GPP TS 33.328 version 15.1.0 Release 15)

TS 133 328 V16.1.0:2021

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) media plane security

(3GPP TS 33.328 version 16.1.0 Release 16)

TS 133 434 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Security aspects of Service Enabler
Architecture Layer (SEAL) for verticals
(3GPP TS 33.434 version 16.2.0 Release 16)

TS 133 501 V15.12.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Security architecture and procedures for
5G System (3GPP TS 33.501 version 15.12.0
Release 15)

TS 133 501 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Security architecture and procedures for
5G System (3GPP TS 33.501 version 16.6.0
Release 16)

TS 133 511 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; Security Assurance Specification (SCAS)
for the next generation Node B (gNodeB)
network product class (3GPP TS 33.511
version 16.6.0 Release 16)

TS 133 512 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification
(SCAS); Access and Mobility management
Function (AMF) (3GPP TS 33.512 version
16.5.0 Release 16)

TS 133 517 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification
(SCAS) for the Security Edge Protection
Proxy (SEPP) network product class (3GPP
TS 33.517 version 16.2.0 Release 16)

TS 133 536 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Security aspects of 3GPP support
for advanced Vehicle-to-Everything (V2X)
services (3GPP TS 33.536 version 16.3.0
Release 16)

TR 133 926 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP SA
LTE; Security Assurance Specification
(SCAS) threats and critical assets in 3GPP
network product classes (3GPP TR 33.926
version 16.4.0 Release 16)

TS 134 229-1 V15.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications

System (UMTS); LTE; Internet Protocol (IP)
multimedia call control protocol based on
Session Initiation Protocol (SIP) and Session
Description Protocol (SDP); User Equipment
(UE) conformance specification; Part 1:
Protocol conformance specification (3GPP
TS 34.229-1 version 15.7.0 Release 15)

TS 134 229-2 V15.6.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); LTE; Internet Protocol (IP)
multimedia call control protocol based on
Session Initiation Protocol (SIP) and Session
Description Protocol (SDP); User Equipment
(UE) conformance specification; Part 2:
Implementation Conformance Statement
(ICS) specification (3GPP TS 34.229-2
version 15.6.0 Release 15)

TS 134 229-3 V16.1.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); LTE; Internet Protocol (IP)
multimedia call control protocol based on
Session Initiation Protocol (SIP) and Session
Description Protocol (SDP); User Equipment
(UE) conformance specification; Part 3:
Abstract test suite (ATS) (3GPP TS 34.229-3
version 16.1.0 Release 16)

TS 134 229-5 V15.3.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; Internet Protocol (IP) multimedia call
control protocol based on Session Initiation
Protocol (SIP) and Session Description
Protocol (SDP); User Equipment (UE)
conformance specification; Part 5: Protocol
conformance specification using 5G System
(5GS) (3GPP TS 34.229-5 version 15.3.0
Release 15)

TS 136 104 V10.14.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio
Access (E-UTRA); Base Station (BS) radio
transmission and reception (3GPP TS 36.104
version 10.14.0 Release 10)

TS 136 104 V11.18.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio
Access (E-UTRA); Base Station (BS) radio
transmission and reception (3GPP TS 36.104
version 11.18.0 Release 11)

TS 136 104 V12.14.0:2021

Comitet Tehnic ETSI: 3GPP RAN

LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 12.14.0 Release 12)

TS 136 104 V13.14.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 13.14.0 Release 13)

TS 136 104 V14.10.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 14.10.0 Release 14)

TS 136 104 V15.11.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 15.11.0 Release 15)

TS 136 104 V16.9.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 16.9.0 Release 16)

TS 136 141 V10.15.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 10.15.0 Release 10)

TS 136 141 V11.18.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 11.18.0 Release 11)

TS 136 141 V12.15.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 12.15.0 Release 12)

TS 136 141 V13.16.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS)

conformance testing (3GPP TS 36.141 version 13.16.0 Release 13)

TS 136 141 V14.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 14.13.0 Release 14)

TS 136 141 V15.12.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 15.12.0 Release 15)

TS 136 141 V16.9.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 16.9.0 Release 16)

TS 136 212 V13.11.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (3GPP TS 36.212 version 13.11.0 Release 13)

TS 136 212 V14.15.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (3GPP TS 36.212 version 14.15.0 Release 14)

TS 136 212 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (3GPP TS 36.212 version 15.13.0 Release 15)

TS 136 212 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (3GPP TS 36.212 version 16.5.0 Release 16)

TS 136 214 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer; Measurements (3GPP TS 36.214 version 16.2.0 Release 16)

TS 136 300 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Overall description; Stage 2 (3GPP TS 36.300 version 16.5.0 Release 16)

TS 136 306 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.4.0 Release 16)

TS 136 321 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 16.4.0 Release 16)

TS 136 323 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Packet Data Convergence Protocol (PDCP) specification (3GPP TS 36.323 version 16.2.0 Release 16)

TS 136 331 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 15.13.0 Release 15)

TS 136 331 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 16.4.0 Release 16)

TS 136 413 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 16.5.0 Release 16)

TS 136 423 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 Application Protocol (X2AP) (3GPP TS 36.423 version 16.5.0 Release 16)

TS 136 509 V15.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Special conformance testing functions for User Equipment (UE) (3GPP TS 36.509 version 15.5.0 Release 15)

TS 136 579-4 V14.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Mission Critical (MC) services over LTE; Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 14.5.0 Release 14)

TS 136 579-5 V14.2.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Mission Critical (MC) services over LTE; Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 14.2.0 Release 14)

TS 136 579-6 V14.1.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Mission Critical (MC) services over LTE; Part 6: Mission Critical Video (MCVideo) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-6 version 14.1.0 Release 14)

TS 136 579-7 V14.2.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Mission Critical (MC) services over LTE; Part 7: Mission Critical Data (MCData) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-7 version 14.2.0 Release 14)

TS 137 104 V10.15.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 10.15.0 Release 10)

TS 137 104 V11.15.0:2021

Comitet Tehnic ETSI: 3GPP RAN
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 11.15.0 Release 11)

TS 137 104 V12.14.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 12.14.0 Release 12)

TS 137 104 V13.9.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 13.9.0 Release 13)

TS 137 104 V14.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 14.7.0 Release 14)

TS 137 104 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 15.13.0 Release 15)

TS 137 104 V16.9.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 16.9.0 Release 16)

TS 137 141 V10.15.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141

version 10.15.0 Release 10)

TS 137 141 V11.16.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 11.16.0 Release 11)

TS 137 141 V12.14.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 12.14.0 Release 12)

TS 137 141 V13.15.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 13.15.0 Release 13)

TS 137 141 V14.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 14.13.0 Release 14)

TS 137 141 V15.14.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 15.14.0 Release 15)

TS 137 141 V16.9.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE;

Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 16.9.0 Release 16)

TS 137 145-1 V13.12.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 13.12.0 Release 13)

TS 137 145-1 V14.10.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 14.10.0 Release 14)

TS 137 145-1 V15.9.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 15.9.0 Release 15)

TS 137 145-1 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 16.6.0 Release 16)

TS 137 145-2 V15.10.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 15.10.0 Release 15)

TS 137 145-2 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 16.7.0 Release 16)

TS 137 213 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 16.5.0 Release 16)

TS 137 320 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA); Radio measurement collection for Minimization of Drive Tests (MDT); Overall description; Stage 2 (3GPP TS 37.320 version 16.4.0 Release 16)

TS 137 340 V15.12.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR; Multi-connectivity; Overall description; Stage-2 (3GPP TS 37.340 version 15.12.0 Release 15)

TS 137 340 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR; Multi-connectivity; Overall description; Stage-2 (3GPP TS 37.340 version 16.5.0 Release 16)

TS 137 355 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.4.0 Release 16)

TS 137 473 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; W1 interface; Application Protocol (W1AP) (3GPP TS 37.473 version 16.4.0 Release 16)

TS 137 544 V16.1.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA); User Equipment (UE) Over The Air (OTA) performance; Conformance testing (3GPP TS 37.544 version 16.1.0 Release 16)

TS 137 571-2 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance (3GPP TS

TS 137 571-3 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; User Equipment (UE) conformance specification for UE positioning; Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 16.7.0 Release 16)

TS 137 571-5 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; User Equipment (UE) conformance specification for UE positioning; Part 5: Test scenarios and assistance data (3GPP TS 37.571-5 version 16.4.0 Release 16)

TR 137 901-5 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on 5G NR User Equipment (UE) application layer data throughput performance (3GPP TR 37.901-5 version 16.3.0 Release 16)

TS 138 101-2 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.13.0 Release 15)

TS 138 101-2 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.7.0 Release 16)

TS 138 101-3 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 15.13.0 Release 15)

TS 138 101-3 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 16.7.0 Release 16)

TS 138 104 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 15.13.0 Release 15)

TS 138 104 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.7.0 Release 16)

TS 138 113 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 15.13.0 Release 15)

TS 138 113 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 16.3.0 Release 16)

TS 138 124 V15.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 15.5.0 Release 15)

TS 138 124 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 16.2.0 Release 16)

TS 138 141-1 V15.8.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 15.8.0 Release 15)

TS 138 141-1 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.7.0 Release 16)

TS 138 141-2 V15.9.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 15.9.0 Release 15)

TS 138 141-2 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.7.0 Release 16)

TS 138 174 V16.2.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 16.2.0 Release 16)

TS 138 211 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical channels and modulation (3GPP TS 38.211 version 16.5.0 Release 16)

TS 138 212 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Multiplexing and channel coding (3GPP TS 38.212 version 16.5.0 Release 16)

TS 138 213 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for control (3GPP TS 38.213 version 15.13.0 Release 15)

TS 138 213 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for control (3GPP TS 38.213 version 16.5.0 Release 16)

TS 138 214 V15.12.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for data (3GPP TS 38.214 version 15.12.0 Release 15)

TS 138 214 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for data (3GPP TS 38.214 version 16.5.0 Release 16)

TS 138 300 V15.12.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 15.12.0 Release 15)

TS 138 300 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 16.5.0 Release 16)

TS 138 304 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) procedures in idle mode and in RRC Inactive state (3GPP TS 38.304 version 16.4.0 Release 16)

TS 138 305 V15.8.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; NG Radio Access Network (NG-RAN); Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 15.8.0 Release 15)

TS 138 305 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; NG Radio Access Network (NG-RAN); Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 16.4.0 Release 16)

TS 138 306 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.13.0 Release 15)

TS 138 306 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.4.0 Release 16)

TS 138 307 V15.8.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 15.8.0 Release 15)

TS 138 307 V16.6.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 16.6.0 Release 16)

TS 138 314 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Layer 2 measurements (3GPP TS 38.314 version 16.3.0 Release 16)

TS 138 321 V15.12.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 15.12.0 Release 15)

TS 138 321 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN

5G; NR; Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.4.0 Release 16)

TS 138 323 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 16.3.0 Release 16)

TS 138 331 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 15.13.0 Release 15)

TS 138 331 V16.4.1:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 16.4.1 Release 16)

TS 138 340 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Backhaul Adaptation Protocol (BAP) specification (3GPP TS 38.340 version 16.4.0 Release 16)

TS 138 401 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Architecture description (3GPP TS 38.401 version 16.5.0 Release 16)

TS 138 413 V15.11.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG Application Protocol (NGAP) (3GPP TS 38.413 version 15.11.0 Release 15)

TS 138 413 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG Application Protocol (NGAP) (3GPP TS 38.413 version 16.5.0 Release 16)

TS 138 415 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; PDU session user plane protocol (3GPP TS 38.415 version 16.4.0 Release 16)

TS 138 423 V15.11.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn Application Protocol (XnAP) (3GPP TS 38.423 version 15.11.0 Release 15)

TS 138 423 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn Application Protocol (XnAP) (3GPP TS 38.423 version 16.5.0 Release 16)

TS 138 425 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NR user plane protocol (3GPP TS 38.425 version 16.3.0 Release 16)

TS 138 455 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 16.3.0 Release 16)

TS 138 460 V16.3.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 general aspects and principles (3GPP TS 38.460 version 16.3.0 Release 16)

TS 138 463 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 Application Protocol (E1AP) (3GPP TS 38.463 version 16.5.0 Release 16)

TS 138 470 V16.4.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 general aspects and principles (3GPP TS 38.470 version 16.4.0 Release 16)

TS 138 473 V15.13.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 Application Protocol (F1AP) (3GPP TS 38.473 version 15.13.0 Release 15)

TS 138 473 V16.5.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 Application Protocol (F1AP) (3GPP TS 38.473 version 16.5.0 Release 16)

TS 138 509 V15.10.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; 5GS; Special conformance testing functions for User Equipment (UE) (3GPP TS 38.509 version 15.10.0 Release 15)

TS 138 509 V16.0.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; 5GS; Special conformance testing functions for User Equipment (UE) (3GPP TS 38.509 version 16.0.0 Release 16)

TS 138 521-4 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) conformance

specification; Radio transmission and reception; Part 4: Performance (3GPP TS 38.521-4 version 16.7.0 Release 16)

TS 138 522 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN 5G; NR; User Equipment (UE) conformance specification; Applicability of radio transmission, radio reception and radio resource management test cases (3GPP TS 38.522 version 16.7.0 Release 16)

TS 138 523-3 V16.1.0:2021

Comitet Tehnic ETSI: 3GPP RAN 5G; 5GS; User Equipment (UE) conformance specification; Part 3: Protocol Test Suites (3GPP TS 38.523-3 version 16.1.0 Release 16)

TR 138 903 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN 5G; NR; Derivation of test tolerances and measurement uncertainty for User Equipment (UE) conformance test cases (3GPP TR 38.903 version 16.7.0 Release 16)

TR 138 905 V16.7.0:2021

Comitet Tehnic ETSI: 3GPP RAN 5G; NR; Derivation of test points for radio transmission and reception User Equipment (UE) conformance test cases (3GPP TR 38.905 version 16.7.0 Release 16)

EN 301 444 V2.2.1:2021

Comitet Tehnic ETSI: SES HARM

Satellite Earth Stations and Systems (SES); Land Mobile Earth Stations (LMES) and Maritime Mobile Earth Stations (MMES) providing voice and/or data communications, operating in the 1,5 GHz and 1,6 GHz frequency bands; Harmonised Standard for access to radio spectrum

EN 303 413 V1.2.1:2021

Comitet Tehnic ETSI: SES SCN Satellite Earth Stations and Systems (SES); Global Navigation Satellite System (GNSS) receivers; Radio equipment operating in the 1 164 MHz to 1 300 MHz and 1 559 MHz to 1 610 MHz frequency bands; Harmonised Standard for access to radio spectrum

EN 303 746 V1.1.1:2021

Comitet Tehnic ETSI: ERM TGMARINE Maritime Location Systems; Radio transmitters and receivers for radio links in maritime radio location systems operating in the 9 GHz frequency band (X band)

EN 303 981 V1.2.1:2021

Comitet Tehnic ETSI: SES HARM Satellite Earth Stations and Systems (SES); Fixed and in-motion Wide Band Earth Stations communicating with non-geostationary satellite systems (WBES) in the 11 GHz to 14 GHz frequency bands; Harmonised Standard for access to radio spectrum

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CEN SUPUSE ANCHETEI PUBLICE

În perioada 2021.04.01 – 2021.04.29

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observații orice persoană fizică sau juridică, la adresa ancheta publica@asro.ro. Proiectele pot fi obținute de la ASRO precizând indicativul și titlul proiectului. Termenul limită până la care se pot trimite comentarii este cu 30 zile calendaristice înainte de termenul limită de vot (dea), indicat după fiecare proiect.

prEN ISO 3421

Petroleum and natural gas industries - Drilling and production equipment - Offshore conductor design, setting depth, and installation (ISO/DIS 3421:2021)
dea: 2021-07-19

FprCEN/TS 14237

Textiles for healthcare and social services facilities
dea: 2021-07-15

FprCEN ISO/ASTM/TS 52930

Additive Manufacturing - Qualification principles - Installation, operation and performance (IQ/OQ/PQ) of PBF-LB equipment (ISO/ASTM/DTS 52930:2021)
dea: 2021-06-22

01.040

Vocabulare

**01.040.13 Mediu. Protecția sănătății.
Securitate. (Vocabulare)**

prEN ISO 11610

Protective clothing - Vocabulary (ISO/DIS 11610:2021)

dea: 2021-07-01

01.040.71 Chimie (Vocabulare)

prEN 13857-1

Explosives for civil uses - Part 1: Terminology

dea: 2021-07-15

**01.040.83 Industria cauciucului și a
materialelor plastice. (Vocabulare)**

prEN ISO 18064

Thermoplastic elastomers - Nomenclature and abbreviated terms (ISO/DIS 18064:2021)

dea: 2021-06-22

**01.040.91 Construcții și materiale de
construcții. (Vocabulare)**

prEN 14487-1

Sprayed concrete - Part 1: Definitions, specifications and conformity

dea: 2021-07-15

03.080 Servicii

03.080.30 Servicii pentru consumatori

prEN 17229-2

Fitness centres - Requirements for centre amenities and operation - Part 2:

Requirements for supervision and staff

dea: 2021-07-08

FprCEN/TS 17676

Guidelines for the safe operation of fitness centres during an infectious outbreak

dea: 2021-07-15

03.120 Calitate

**03.120.10 Managementul calității și
asigurarea calității**

prEN 16247-1

Energy audits - Part 1: General requirements

dea: 2021-07-01

**03.120.20 Certificarea produselor și a
întreprinderilor. Evaluarea
conformității**

prEN 9163

Aerospace series - Certificate of conformance requirements

dea: 2021-06-24

11.040 Echipament medical

**11.040.10 Echipament pentru
anestezie, respirație și reanimare**

prEN ISO 5367

Anaesthetic and respiratory equipment - Breathing sets and connectors (ISO/DIS 5367:2021)

dea: 2021-06-22

prEN ISO 18778

Respiratory equipment - Particular requirements for basic safety and essential performance of equipment for infant cardiorespiratory monitors (ISO/DIS 18778:2021)

dea: 2021-07-19

**11.040.55 Echipament pentru
diagnosticare**

prEN ISO 18778

Respiratory equipment - Particular requirements for basic safety and essential performance of equipment for infant cardiorespiratory monitors (ISO/DIS 18778:2021)

dea: 2021-07-19

11.060 Stomatologie

11.060.01 Stomatologie în general

prEN ISO 18618

Dentistry - Interoperability of CAD/CAM Systems (ISO/DIS 18618:2021)

dea: 2021-07-13

11.080 Sterilizare și dezinfectare

**11.080.01 Sterilizare și dezinfectare în
general**

EN ISO 25424:2019/prA1

Sterilization of health care products - Low temperature steam and formaldehyde - Requirements for development, validation and routine control of a sterilization process for medical devices - Amendment 1 (ISO 25424:2018/DAM 1:2021)

dea: 2021-06-22

11.080.30 Ambalaje sterile**FprCEN ISO/TS 16775**

Packaging for terminally sterilized medical devices - Guidance on the application of ISO 11607-1 and ISO 11607-2 (ISO/DTS 16775:2021)
dea: 2021-07-21

11.100 Medicină de laborator**11.100.10 Sisteme pentru încercări de diagnostic in vitro****prEN ISO 20916**

In vitro diagnostic medical devices - Clinical performance studies using specimens from human subjects - Good study practice (ISO 20916:2019)
dea: 2021-07-15

11.100.20 Evaluarea biologică a dispozitivelor medicale**prEN ISO 20776-2**

Clinical laboratory testing and in vitro diagnostic test systems - Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test - Part 2: Evaluation of performance of antimicrobial susceptibility test devices against reference broth micro-dilution (ISO/DIS 20776-2:2021)
dea: 2021-07-23

13.040 Calitatea aerului**13.040.40 Emisii de la surse fixe****prEN 17656**

Stationary source emissions - Requirements on proficiency testing schemes for emission measurements
dea: 2021-06-24

13.080 Calitatea solului. Pedologie**13.080.01 Calitatea solului și pedologie în general****prEN ISO 18589-1**

Measurement of radioactivity in the environment - Soil - Part 1: General guidelines and definitions (ISO 18589-1:2019)
dea: 2021-06-24

prEN ISO 18589-4

Measurement of radioactivity in the environment - Soil - Part 4: Plutonium 238 and plutonium 239 + 240 - Test method using alpha spectrometry (ISO 18589-4:2019)
dea: 2021-06-24

prEN ISO 18589-5

Measurement of radioactivity in the environment - Soil - Part 5: Strontium 90 - Test method using proportional counting or liquid scintillation counting (ISO 18589-5:2019)
dea: 2021-06-24

prEN ISO 18589-6

Measurement of radioactivity in the environment - Soil - Part 6: Gross alpha and gross beta activities - Test method using gas-flow proportional counting (ISO 18589-6:2019)
dea: 2021-06-24

13.180 Ergonomie**prEN ISO 9241-20**

Ergonomics of human-system interaction - Part 20: An ergonomic approach to accessibility within the ISO 9241 series (ISO/DIS 9241-20:2021)
dea: 2021-07-21

13.220 Protecția contra incendiilor**13.220.50 Rezistența la foc a materialelor și a elementelor de construcții****EN 13823:2020/prA1**

Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item
dea: 2021-07-15

13.280 Protecția contra radiațiilor**prEN ISO 20042**

Measurement of radioactivity - Gamma-ray emitting radionuclides - Generic test method using gamma-ray spectrometry (ISO 20042:2019)
dea: 2021-06-24

prEN ISO 20785-4

Dosimetry for exposures to cosmic radiation in civilian aircraft - Part 4: Validation of codes

prEN ISO 22127

Dosimetry with radiophotoluminescent glass dosimeters for dosimetry audit in MV X-ray radiotherapy (ISO 22127:2019)

dea: 2021-06-24

FprCEN ISO/TR 22930-1

Evaluating the performance of continuous air monitors - Part 1: Air monitors based on accumulation sampling techniques (ISO/TR 22930-1:2020)

dea: 2021-07-15

FprCEN ISO/TR 22930-2

Evaluating the performance of continuous air monitors - Part 2: Air monitors based on flow-through sampling techniques without accumulation (ISO/TR 22930-2:2020)

dea: 2021-07-15

13.340 Echipament de protecție individuală

13.340.10 Îmbrăcăminte de protecție

prEN 4862

Rotorcraft - Constant Wear Lifejackets - Requirements, testing and marking

dea: 2021-07-15

prEN ISO 11610

Protective clothing - Vocabulary (ISO/DIS 11610:2021)

dea: 2021-07-01

17.040 Măsurări de lungimi și unghiulare

17.040.30 Mijloace de măsurare

prEN ISO 10360-11

Geometrical product specifications (GPS) - Acceptance and reverification tests for coordinate measuring systems (CMS) - Part 11: CMSs using the principle of X-ray computed tomography (CT) (ISO/DIS 10360-11:2021)

dea: 2021-06-22

17.040.40 Specificație geometrică pentru produse (GPS)

prEN ISO 10360-11

Geometrical product specifications (GPS) - Acceptance and reverification tests for

coordinate measuring systems (CMS) - Part 11: CMSs using the principle of X-ray computed tomography (CT) (ISO/DIS 10360-11:2021)

dea: 2021-06-22

17.240 Măsurări de radiații

prEN ISO 18589-1

Measurement of radioactivity in the environment - Soil - Part 1: General guidelines and definitions (ISO 18589-1:2019)

dea: 2021-06-24

prEN ISO 18589-4

Measurement of radioactivity in the environment - Soil - Part 4: Plutonium 238 and plutonium 239 + 240 - Test method using alpha spectrometry (ISO 18589-4:2019)

dea: 2021-06-24

prEN ISO 18589-5

Measurement of radioactivity in the environment - Soil - Part 5: Strontium 90 - Test method using proportional counting or liquid scintillation counting (ISO 18589-5:2019)

dea: 2021-06-24

prEN ISO 18589-6

Measurement of radioactivity in the environment - Soil - Part 6: Gross alpha and gross beta activities - Test method using gas-flow proportional counting (ISO 18589-6:2019)

dea: 2021-06-24

23.020 Mijloace pentru stocarea fluidelor

23.020.35 Butelii de gaz

prEN ISO 13338

Gas cylinders - Gases and gas mixtures - Determination of corrosiveness for the selection of cylinder valve outlet (ISO/DIS 13338:2021)

dea: 2021-07-07

prEN ISO 14246

Gas cylinders - Cylinder valves - Manufacturing tests and examinations (ISO/DIS 14246:2021)

dea: 2021-06-30

prEN ISO 22434

Gas cylinders - Inspection and maintenance

of valves (ISO/DIS 22434:2021)
dea: 2021-07-07

23.040 Conducte și accesorii

23.040.07 Conducte și părțile lor pentru termoficare

EN 13941-1:2019/prA1

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 1: Design
dea: 2021-07-15

EN 13941-2:2019/prA1

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 2: Installation
dea: 2021-07-15

23.040.10 Țevi și tuburi din fontă și oțel

EN 13941-1:2019/prA1

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 1: Design
dea: 2021-07-15

EN 13941-2:2019/prA1

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 2: Installation
dea: 2021-07-15

23.040.20 Țevi din materiale plastice

prEN 12201-1

Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 1: General
dea: 2021-07-01

prEN 12201-2

Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 2: Pipes
dea: 2021-07-01

prEN 12201-3

Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 3: Fittings
dea: 2021-07-01

prEN 12201-4

Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 4: Valves for water supply systems
dea: 2021-07-01

prEN 12201-5

Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 5: Fitness for purpose of the system
dea: 2021-07-01

23.040.45 Racorduri din materiale plastice

prEN 12201-3

Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 3: Fittings
dea: 2021-07-01

23.040.60 Flanșe, cuplaje și alte îmbinări

prEN 1591-1

Flanges and their joints - Design rules for gasketed circular flange connections - Part 1: Calculation
dea: 2021-07-22

23.060 Robinetărie

23.060.01 Robinetărie în general

prEN 12201-4

Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 4: Valves for water supply systems
dea: 2021-07-01

prEN ISO 22434

Gas cylinders - Inspection and maintenance of valves (ISO/DIS 22434:2021)
dea: 2021-07-07

prEN ISO 28921-1

Industrial valves - Isolating valves for low-temperature applications - Part 1: Design, manufacturing and production testing (ISO/DIS 28921-1:2021)
dea: 2021-07-06

25.160 Sudare și lipire

25.160.40 Materiale de adaos

prEN ISO 17636-1

Non-destructive testing of welds - Radiographic testing - Part 1: X- and gamma-ray techniques with film (ISO/DIS 17636-1:2021)
dea: 2021-07-09

**27.015 Eficiență energetică.
Economii de energie în general**

prEN 16247-1

Energy audits - Part 1: General requirements
dea: 2021-07-01

27.120 Energie nucleară

27.120.10 Reactoare nucleare

prEN ISO 18229

Essential technical requirements for mechanical components and metallic structures foreseen for Generation IV nuclear reactors (ISO 18229:2018)
dea: 2021-06-24

**27.120.20 Centrale nucleare.
Securitate**

prEN ISO 16647

Nuclear facilities - Criteria for design and operation of confinement systems for nuclear worksite and for nuclear installations under decommissioning (ISO 16647:2018)
dea: 2021-06-24

**27.120.30 Materiale fisionabile și
tehnologia combustibililor nucleari**

prEN ISO 10276

Nuclear energy - Fuel technology - Trunnion systems for packages used to transport radioactive material (ISO 10276:2019)
dea: 2021-06-24

27.160 Energie solară

prEN ISO 24194

Solar energy - Collector fields - Check of performance (ISO/DIS 24194:2021)
dea: 2021-07-07

29.140 Lămpi și accesorii

**29.140.99 Alte standarde referitoare la
lămpi**

prEN 4828

Aerospace series - Thermal drift of LED luminaires - Classification and measuring methods
dea: 2021-06-24

**31.120 Dispozitive cu afișaj
electronic**

prEN 4876

Aerospace series - Environmental testing - Durability of the displays by general usage
dea: 2021-06-24

**31.260 Optoelectronică. Aparate cu
laser**

prEN ISO 12005

Lasers and laser-related equipment - Test methods for laser beam parameters - Polarization (ISO/DIS 12005:2021)
dea: 2021-07-01

prEN ISO 13696

Optics and photonics - Test method for total scattering by optical components (ISO/DIS 13696:2021)
dea: 2021-07-01

**35.180 Terminale și alte
echipamente periferice în
tehnologia informației**

prEN ISO 9241-20

Ergonomics of human-system interaction - Part 20: An ergonomic approach to accessibility within the ISO 9241 series (ISO/DIS 9241-20:2021)
dea: 2021-07-21

**35.240 Aplicații privind tehnologia
informației**

**35.240.15 Cartele de identificare.
Carduri cu cip. Biometrie**

FprCEN/TS 17661

Personal identification – European enrolment guide for biometric ID documents (EEG)
dea: 2021-07-15

**45.060 Material rulant pentru căi
ferate**

45.060.20 Material rulant tractat

EN 15723:2010/prA1

Railway applications - Closing and locking

devices for payload protecting devices against environmental influences - Requirements for durability, operation, indication, maintenance, recycling
dea: 2021-07-15

EN 15877-2:2013/prA1

Railway applications - Markings of railway vehicles - Part 2: External markings on coaches, motive power units, locomotives and on track machines
dea: 2021-07-15

47.020 Construcții navale și structuri maritime în general

47.020.40 Instalații de ridicat și manipulat încărcătura navei

prEN 13852-1

Cranes - Offshore cranes - Part 1: General-purpose offshore cranes
dea: 2021-07-01

49.020 Aeronave și vehicule spațiale în general

prEN 9163

Aerospace series - Certificate of conformance requirements
dea: 2021-06-24

prEN ISO 20785-4

Dosimetry for exposures to cosmic radiation in civilian aircraft - Part 4: Validation of codes (ISO 20785-4:2019)
dea: 2021-06-24

49.025 Materiale pentru aeronautică

49.025.10 Oțeluri

prEN 3526

Aerospace series - Steel 15CrMoV6 (1.7334) - Air melted - Hardened and tempered - Sheet and strip - 0,5 mm ≤ a ≤ 6 mm - 980 MPa = Rm = 1 180 MPa
dea: 2021-06-24

49.025.40 Cauciuc și materiale plastice

prEN 2559

Aerospace series - Carbon, glass and aramid fibre preimpregnates - Determination of the resin and fibre content and the mass of fibre per unit area
dea: 2021-07-15

prEN 4717

Aerospace series - Polyetheretherketone with 55 % continuous carbon fibre by volume (PEEK-CF55) - Stock shape material - Material specification
dea: 2021-06-24

prEN 4718

Aerospace series - Polyetheretherketone with 55 % continuous glass fibre by volume (PEEK-GF55) - Stock shape material - Material specification
dea: 2021-06-24

49.060 Echipament electric

prEN 2235

Aerospace series - Single and multicore electrical cables, screened and jacketed - Technical specification
dea: 2021-06-24

prEN 4056-005

Aerospace series - Cable ties for harnesses - Part 005: Plastic cable ties with metallic locking devices, operating temperatures -65 °C to 105 °C and -65 °C to 150 °C - Product standard
dea: 2021-06-24

49.095 Echipament pentru cabină și echipament pentru pasageri

prEN 4828

Aerospace series - Thermal drift of LED luminaires - Classification and measuring methods
dea: 2021-06-24

prEN 4876

Aerospace series - Environmental testing - Durability of the displays by general usage
dea: 2021-06-24

49.140 Sisteme spațiale, dezvoltare și operare

FprCEN/CLC/TR 17602-70-23

Space product assurance - Materials, mechanical parts and processes obsolescence management handbook
dea: 2021-07-15

FprCEN/CLC/TR 17603-10-03

Space engineering - Testing guidelines
dea: 2021-07-15

53.020 Instalații de ridicat

53.020.20 Macarale

prEN 13852-1

Cranes - Offshore cranes - Part 1: General-purpose offshore cranes
dea: 2021-07-01

59.140 Industria pielăriei

59.140.30 Piei și blănuri

prEN ISO 10195

Leather - Chemical determination of chromium(VI) content in leather - Thermal pre-ageing of leather and determination of hexavalent chromium (ISO 10195:2018)
dea: 2021-07-08

prEN ISO 22517

Leather - Chemical tests - Determination of pesticide residues content (ISO 22517:2019)
dea: 2021-07-08

61.060 Încălțăminte

prCEN ISO/TR 16178

Footwear - Critical substances potentially present in footwear and footwear components - Lists of critical chemical substances (ISO/DTR 16178:2021)
dea: 2021-06-25

65.160 Tutun, produse din tutun și echipamente pentru industria tutunului

prEN 17648

E-liquid ingredients
dea: 2021-07-08

67.100 Lapte și produse lactate

67.100.01 Lapte și produse lactate în general

FprCEN ISO/TS 23758

Guidelines for the validation of qualitative screening methods for the detection of residues of veterinary drugs in milk and milk products (ISO/DTS 23758:2021)
dea: 2021-06-28

71.100 Produse din industria chimică

71.100.20 Gaze pentru aplicații industriale

prEN ISO 13338

Gas cylinders - Gases and gas mixtures - Determination of corrosiveness for the selection of cylinder valve outlet (ISO/DIS 13338:2021)
dea: 2021-07-07

71.100.30 Explozivi. Substanțe pirotehnice și focuri de artificii

prEN 13630-1

Explosives for civil uses - Detonating cords and safety fuses - Part 1: Requirements
dea: 2021-07-15

prEN 13630-10

Explosives for civil uses - Detonating cords and safety fuses - Part 10: Determination of initiating capability of detonating cords
dea: 2021-07-15

prEN 13630-11

Explosives for civil uses - Detonating cords and safety fuses - Part 11: Determination of velocity of detonation of detonating cords
dea: 2021-07-15

prEN 13630-12

Explosives for civil uses - Detonating cords and safety fuses - Part 12: Determination of burning duration of safety fuses
dea: 2021-07-15

prEN 13630-2

Explosives for civil uses - Detonating cords and safety fuses - Part 2: Determination of thermal stability of detonating cords and safety fuses
dea: 2021-07-15

prEN 13630-3

Explosives for civil uses - Detonating cords and safety fuses - Part 3: Determination of sensitiveness to friction of the core of detonating cords
dea: 2021-07-15

prEN 13630-4

Explosives for civil uses - Detonating cords and safety fuses - Part 4: Determination of sensitiveness to impact of detonating cords
dea: 2021-07-15

prEN 13630-5

Explosives for civil uses - Detonating cords and safety fuses - Part 5: Determination of resistance to abrasion of detonating cords
dea: 2021-07-15

prEN 13630-6

Explosives for civil uses - Detonating cords and safety fuses - Part 6: Determination of resistance to tension of detonating cords
dea: 2021-07-15

prEN 13630-7

Explosives for civil uses - Detonating cords and safety fuses - Part 7: Determination of reliability of initiation of detonating cords
dea: 2021-07-15

prEN 13630-8

Explosives for civil uses - Detonating cords and safety fuses - Part 8: Determination of resistance to water of detonating cords and safety fuses
dea: 2021-07-15

prEN 13630-9

Explosives for civil uses - Detonating cords and safety fuses - Part 9: Determination of transmission of detonation from detonating cord to detonating cord
dea: 2021-07-15

prEN 13631-1

Explosives for civil uses - Explosives - Part 1: Requirements
dea: 2021-07-15

prEN 13631-10

Explosives for civil uses - Explosives - Part 10: Method for the verification of the means of initiation of explosives
dea: 2021-07-15

prEN 13631-11

Explosives for civil uses - Explosives - Part 11: Determination of the transmission of detonation of explosives
dea: 2021-07-15

prEN 13631-13

Explosives for civil uses - Explosives - Part 13: Determination of density
dea: 2021-07-15

prEN 13631-14

Explosives for civil uses - Explosives - Part 14: Determination of the velocity of detonation of explosives
dea: 2021-07-15

prEN 13631-2

Explosives for civil uses - Explosives - Part 2: Determination of thermal stability of

explosives

dea: 2021-07-15

prEN 13631-3

Explosives for civil uses - Explosives - Part 3: Determination of sensitiveness to friction of explosives
dea: 2021-07-15

prEN 13631-4

Explosives for civil uses - Explosives - Part 4: Determination of sensitiveness to impact of explosives
dea: 2021-07-15

prEN 13631-5

Explosives for civil uses - Explosives - Part 5: Determination of the resistance to water of explosives
dea: 2021-07-15

prEN 13631-6

Explosives for civil uses - Explosives - Part 6: Determination of the resistance to hydrostatic pressure of explosives
dea: 2021-07-15

prEN 13631-7

Explosives for civil uses - Explosives - Part 7: Determination of safety and reliability at extreme temperatures
dea: 2021-07-15

prEN 13763-11

Explosives for civil uses - Detonators and detonating cord relays - Part 11: Determination of resistance to damage by dropping of detonators and relays
dea: 2021-07-15

prEN 13763-12

Explosives for civil uses - Detonators and detonating cord relays - Part 12: Determination of resistance to hydrostatic pressure
dea: 2021-07-15

prEN 13763-13

Explosives for civil uses - Detonators and detonating cord relays - Part 13: Determination of resistance of electric detonators to electrostatic discharge
dea: 2021-07-15

prEN 13763-15

Explosives for civil uses - Detonators and detonating cord relays - Part 15: Determination of equivalent initiating

capability

dea: 2021-07-15

prEN 13763-16

Explosives for civil uses - Detonators and detonating cord relays - Part 16:

Determination of delay accuracy

dea: 2021-07-15

prEN 13763-17

Explosives for civil uses - Detonators and detonating cord relays - Part 17:

Determination of no-fire current of electric detonators

dea: 2021-07-15

prEN 13763-18

Explosives for civil uses - Detonators and detonating cord relays - Part 18:

Determination of series firing current of electric detonators

dea: 2021-07-15

prEN 13763-19

Explosives for civil uses - Detonators and detonating cord relays - Part 19:

Determination of firing impulse of electric detonators

dea: 2021-07-15

prEN 13763-2

Explosives for civil uses - Detonators and detonating cord relays - Part 2: Verification of thermal stability at high temperatures

dea: 2021-07-15

prEN 13763-20

Explosives for civil uses - Detonators and detonating cord relays - Part 20:

Determination of total electrical resistance of electric detonators

dea: 2021-07-15

prEN 13763-21

Explosives for civil uses - Detonators and detonating cord relays - Part 21:

Determination of flash-over voltage of electric detonators

dea: 2021-07-15

prEN 13763-22

Explosives for civil uses - Detonators and detonating cord relays - Part 22:

Determination of capacitance, insulation resistance and insulation breakdown of leading wires

dea: 2021-07-15

prEN 13763-23

Explosives for civil uses - Detonators and detonating cord relays - Part 23:

Determination of the shock-wave velocity of shock tube

dea: 2021-07-15

prEN 13763-24

Explosives for civil uses - Detonators and detonating cord relays - Part 24:

Determination of the electrical non-conductivity of shock tube

dea: 2021-07-15

prEN 13763-25

Explosives for civil uses - Detonators and detonating cord relays - Part 25:

Determination of transfer capability of surface connectors, relays and coupling accessories

dea: 2021-07-15

prEN 13763-3

Explosives for civil uses - Detonators and detonating cord relays - Part 3: Determination of sensitiveness to impact

dea: 2021-07-15

prEN 13763-4

Explosives for civil uses - Detonators and detonating cord relays - Part 4: Determination of resistance to abrasion of leading wires and shock tubes

dea: 2021-07-15

prEN 13763-5

Explosives for civil uses - Detonators and detonating cord relays - Part 5: Determination of resistance to cutting damage of leading wires and shock tubes

dea: 2021-07-15

prEN 13763-6

Explosives for civil uses - Detonators and detonating cord relays - Part 6: Determination of resistance to cracking in low temperatures of leading wires

dea: 2021-07-15

prEN 13763-7

Explosives for civil uses - Detonators and detonating cord relays - Part 7: Determination of the mechanical strength of leading wires, shock tubes, connections, crimps and closures

dea: 2021-07-15

prEN 13763-8

Explosives for civil uses - Detonators and

detonating cord relays - Part 8: Determination of the resistance to vibration
dea: 2021-07-15

prEN 13763-9

Explosives for civil uses - Detonators and detonating cord relays - Part 9: Determination of resistance to bending of detonators
dea: 2021-07-15

prEN 13857-1

Explosives for civil uses - Part 1: Terminology
dea: 2021-07-15

prEN 13938-1

Explosives for civil uses - Propellants and rocket propellants - Part 1: Requirements
dea: 2021-07-15

prEN 13938-2

Explosives for civil uses - Propellants and rocket propellants - Part 2: Determination of resistance to electrostatic discharge
dea: 2021-07-15

prEN 13938-3

Explosives for civil uses - Propellants and rocket propellants - Part 3: Determination of deflagration to detonation transition
dea: 2021-07-15

prEN 13938-4

Explosives for civil uses - Propellants and rocket propellants - Part 4: Determination of burning rate under ambient conditions
dea: 2021-07-15

prEN 13938-5

Explosives for civil uses - Propellants and rocket propellants - Part 5: Determination of voids and fissures
dea: 2021-07-15

prEN 13938-7

Explosives for civil uses - Propellants and rocket propellants - Part 7: Determination of safe and reliable ignition and complete deflagration of black powder
dea: 2021-07-15

71.100.35 Dezinfectante de uz industrial și casnic

prEN 17658

Chemical disinfectants and antiseptics - Chemical textile disinfection for the domestic area - Test method and requirements (phase

2, step 2)
dea: 2021-06-24

73.020 Exploatări miniere și în cariere

prEN 1467

Natural stone - Rough blocks - Requirements
dea: 2021-07-22

prEN 1468

Natural stone - Rough slabs - Requirements
dea: 2021-07-22

75.080 Produse petroliere în general

prEN 15553

Petroleum products and related materials - Determination of hydrocarbon types - Fluorescent indicator adsorption method
dea: 2021-07-01

75.100 Lubrifianți, uleiuri industriale și produse auxiliare

prEN ISO 13503-3

Petroleum and natural gas industries - Completion fluids and materials - Part 3: Testing of heavy brines (ISO/DIS 13503-3:2021)
dea: 2021-07-07

75.160 Combustibili

75.160.20 Combustibili lichizi

prEN 15491

Ethanol as a blending component for petrol - Determination of total acidity - Colour indicator titration method
dea: 2021-06-24

83.080 Materiale plastice

83.080.01 Materiale plastice, în general

prEN ISO 22007-2

Plastics - Determination of thermal conductivity and thermal diffusivity - Part 2: Transient plane heat source (hot disc) method (ISO/DIS 22007-2:2021)
dea: 2021-07-08

83.080.20 Materiale termoplastice

prEN ISO 18064

Thermoplastic elastomers - Nomenclature

Buletinul Standardizării – **Mai 2021**
and abbreviated terms (ISO/DIS 18064:2021)
dea: 2021-06-22

**83.140 Produse din cauciuc și
materiale plastice**

83.140.10 Filme și folii

prEN ISO 15013

Plastics - Extruded sheets of polypropylene
(PP) - Requirements and test methods
(ISO/DIS 15013:2021)
dea: 2021-06-21

prEN ISO 15527

Plastics - Compression-moulded sheets of
polyethylene (PE-UHMW, PE-HD) -
Requirements and test methods (ISO/DIS
15527:2021)
dea: 2021-06-21

**83.200 Echipament pentru industria
cauciucului și industria de mase
plastice**

EN 12012-4:2019/prA1

Plastics and rubber machines - Size
reduction machines - Part 4: Safety
requirements for agglomerators
dea: 2021-06-24

87.040 Vopsele și emailuri

prEN 13300

Paints and varnishes - Paints and varnishes
for interior walls and ceilings - Classification
dea: 2021-07-01

prEN 16105

Paints and varnishes - Laboratory method for
determination of release of regulated
dangerous substances from coatings in
intermittent contact with water
dea: 2021-07-08

prEN ISO 17463

Paints and varnishes - Guidelines for the
determination of anticorrosive properties of
organic coatings by accelerated cyclic
electrochemical technique (ISO/DIS
17463:2021)
dea: 2021-06-30

prEN ISO 22553-11

Paints and varnishes - Electro-deposition
coatings - Part 11: Bath stability (ISO 22553-
11:2020)
dea: 2021-07-22

prEN ISO 22553-12

Paints and varnishes - Electro-deposition
coatings - Part 12: Sedimentation on
horizontal areas (ISO 22553-12:2020)
dea: 2021-07-22

prEN ISO 22553-7

Paints and varnishes - Electro-deposition
coatings - Part 7: Electrical wet-film
resistance (ISO 22553-7:2020)
dea: 2021-07-22

prEN ISO 22553-8

Paints and varnishes - Electro-deposition
coatings - Part 8: Electric charge density (ISO
22553-8:2020)
dea: 2021-07-22

prEN ISO 22553-9

Paints and varnishes - Electro-deposition
coatings - Part 9: Stoving loss (ISO 22553-
9:2020)
dea: 2021-07-22

87.060 Ingrediente pentru vopsele

87.060.20 Lianți

prEN ISO 13885-1

Gel permeation chromatography (GPC) - Part
1: Tetrahydrofuran (THF) as eluent (ISO
13885-1:2020)
dea: 2021-07-22

prEN ISO 13885-2

Gel permeation chromatography (GPC) - Part
2: N,N-Dimethylacetamide (DMAC) as
eluent (ISO 13885-2:2020)
dea: 2021-07-22

prEN ISO 13885-3

Gel permeation chromatography (GPC) - Part
3: Water as eluent (ISO 13885-3:2020)
dea: 2021-07-22

91.010 Construcții civile în general

**91.010.30 Aspecte tehnice referitoare
la construcții**

FprCEN/TS 19103

Eurocode 5: Design of Timber Structures -
Structural design of timber-concrete
composite structures - Common rules and
rules for buildings
dea: 2021-06-24

91.060 Elemente ale construcțiilor

91.060.01 Elemente ale construcțiilor, în general**EN 13823:2020/prA1**

Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item
dea: 2021-07-15

91.060.40 Coșuri, goluri pentru ascensoare, goluri de aerisire**prEN 13084-9**

Free-standing chimneys - Part 9: Lifetime management - Monitoring, inspection, maintenance, remedial and reporting; Operations and actions required
dea: 2021-07-08

91.080 Structuri de construcții**91.080.40 Structuri de beton****FprCEN/TS 19103**

Eurocode 5: Design of Timber Structures - Structural design of timber-concrete composite structures - Common rules and rules for buildings
dea: 2021-06-24

91.080.99 Alte structuri**FprCEN/TS 19100-1**

Design of glass structures - Part 1: Basis of design and materials
dea: 2021-06-24

FprCEN/TS 19100-2

Design of glass structures - Part 2: Design of out-of-plane loaded glass components
dea: 2021-06-24

FprCEN/TS 19100-3

Design of glass structures - Part 3: Design of in-plane loaded glass components and their mechanical joints
dea: 2021-06-24

91.100 Materiale de construcții**91.100.01 Materiale de construcții în general****EN 13823:2020/prA1**

Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single

burning item
dea: 2021-07-15

91.100.15 Materiale și produse minerale**prEN 933-11**

Tests for geometrical properties of aggregates - Part 11: Classification test for the constituents of coarse recycled aggregate
dea: 2021-06-24

prEN 1467

Natural stone - Rough blocks - Requirements
dea: 2021-07-22

prEN 1468

Natural stone - Rough slabs - Requirements
dea: 2021-07-22

91.100.23 Plăci și dale ceramice**prEN ISO 10545-18**

Ceramic tiles - Part 18: Determination of Light Reflectance Value (LRV) (ISO/DIS 10545-18:2021)
dea: 2021-07-06

91.100.30 Beton și produse din beton**prEN 14487-1**

Sprayed concrete - Part 1: Definitions, specifications and conformity
dea: 2021-07-15

prEN 14488-3

Testing sprayed concrete - Part 3: Flexural strengths (first peak, ultimate and residual) of fibre reinforced beam specimens
dea: 2021-07-22

91.100.50 Lianți. Materiale pentru etanșare**FprCEN/TS 17659**

Design guideline for mechanically fastened roof waterproofing systems
dea: 2021-07-15

91.140 Instalații în clădiri**91.140.10 Sisteme de încălzire centrale****EN 13941-1:2019/prA1**

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water

networks - Part 1: Design

dea: 2021-07-15

EN 13941-2:2019/prA1

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 2: Installation

dea: 2021-07-15

91.140.30 Ventilație și climatizare

prEN ISO 29463-5

High-efficiency filters and filter media for removing particles in air - Part 5: Test method for filter elements (ISO/DIS 29463-5:2021)

dea: 2021-07-13

91.140.65 Aparate de încălzire a apei

prEN 16510-2-4

Residential solid fuel burning appliances - Part 2-4: Independent boilers - Nominal heat output up to 50 kW

dea: 2021-07-08

91.140.70 Instalații sanitare

EN 1111:2017/prA1

Sanitary tapware - Thermostatic mixing valves (PN 10) - General technical specification

dea: 2021-06-24

EN 1287:2017/prA1

Sanitary tapware - Low pressure thermostatic mixing valves - General technical specification

dea: 2021-06-24

97.040 Echipament de bucătărie

97.040.20 Aragaze, aparate de încălzire, cuptoare și aparate similare

prEN 16510-2-3

Residential solid fuel burning appliances - Part 2-3: Cookers

dea: 2021-07-08

97.100 Aparate de încălzit de uz casnic, industrial și comercial

97.100.30 Aparate de încălzit cu combustibili solizi

prEN 16510-1

Residential solid fuel burning appliances - Part 1: General requirements and test methods

dea: 2021-07-08

prEN 16510-2-1

Residential solid fuel burning appliances - Part 2-1: Roomheaters

dea: 2021-07-08

prEN 16510-2-2

Residential solid fuel burning appliances - Part 2-2: Inset appliances including open fires

dea: 2021-07-08

prEN 16510-2-3

Residential solid fuel burning appliances - Part 2-3: Cookers

dea: 2021-07-08

prEN 16510-2-4

Residential solid fuel burning appliances - Part 2-4: Independent boilers - Nominal heat output up to 50 kW

dea: 2021-07-08

prEN 16510-2-6

Residential solid fuel burning appliances - Part 2-6: Mechanically by wood pellets fed roomheaters, inset appliances and cookers

dea: 2021-07-08

97.195 Obiecte de artă și produse din industria de artizanat. Bunuri culturale și patrimoniu cultural

prEN 17655

Conservation of cultural heritage - Determination of water absorption by contact sponge method

dea: 2021-06-24

97.220 Echipamente și instalații sportive

97.220.01 Echipamente și instalații sportive în general

prEN 17229-2

Fitness centres - Requirements for centre amenities and operation - Part 2:

Requirements for supervision and staff

dea: 2021-07-08

FprCEN/TS 17676

Guidelines for the safe operation of fitness

centres during an infectious outbreak
dea: 2021-07-15

97.220.10 Instalații sportive

prEN ISO 23659

Sports and recreational facilities - Trampoline parks - Safety requirements (ISO/DIS 23659:2021)
dea: 2021-07-19



**PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE
EUROPENE CENELEC SUPUSE ANCHETEI PUBLICE**

În perioada **2021.04.01 – 2021.04.29**

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observații orice persoană fizică sau juridică, la adresa ancheta.publica@asro.ro. Proiectele pot fi obținute de la ASRO precizând indicativul și titlul standardului. Termenul limită până la care se pot trimite comentarii este cu 30 zile calendaristice înainte de termenul limită de vot (dea), indicat după fiecare proiect.

prHD 604-S2

0,6/1,0 kV power cables with special fire performance for use in power stations and similar installations
dea: 2021-07-09

prEN 50065-4-1

Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz Part 4-1: Low voltage decoupling filters - Generic specification
dea: 2021-07-16

prEN 50065-4-2

Signalling on low voltage electrical installations in the frequency range 3 kHz to 148,5 kHz Part 4-2: Low voltage decoupling filters - Safety requirements
dea: 2021-07-16

prEN 50065-4-3

Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz - Part 4-3: Low voltage decoupling filter - Incoming filter
dea: 2021-07-16

prEN 50065-4-4

Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz Part 4-4: Low voltage decoupling filter - Impedance filter
dea: 2021-07-16

prEN 50065-4-5

Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz Part 4-5: Low voltage decoupling

filter - Segmentation filter

dea: 2021-07-16

prEN 50065-4-6

Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz Part 4-6: Low voltage decoupling filters - Phase coupler
dea: 2021-07-16

prEN 50065-4-7

Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz Part 4-7: Portable low voltage decoupling filters - Safety requirements
dea: 2021-07-16

FprCLC/TR 50510:2021

Fibre optic access to end-user - A guideline to building of FTTX fibre optic network
dea: 2021-07-02

prEN IEC 60318-8:2021

Electroacoustics - Simulators of human head and ear - Part 8: Acoustic coupler for highfrequency measurements of hearing aids and earphones coupled to the ear by means of ear inserts
dea: 2021-07-23

prEN IEC 60404-17:2021

Magnetic materials - Part 17: Methods of measurement of the magnetostriction characteristics of grainoriented electrical steel strip and sheet by means of a single sheet tester and an optical sensor
dea: 2021-07-23

EN IEC 60598-1:2021/prAA

Luminaires - Part 1: General requirements and tests
dea: 2021-07-16

prEN IEC 62641:2021

Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors
dea: 2021-07-23

prEN IEC 62641:2021/prAA

Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors
dea: 2021-07-23

prEN IEC 62714-5:2021

Engineering data exchange format for use in industrial automation systems engineering - Automation Markup Language - Part 5: Communication
dea: 2021-07-02

EN 62841-4-2:2019/prAA

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-2: Particular requirements for hedge trimmers
dea: 2021-07-23

prEN IEC 63248:2021

Conductors for overhead lines - Coated or clad metallic wire for concentric lay stranded conductors
dea: 2021-07-23

prEN IEC 63248:2021/prAA

Conductors for overhead lines - Coated or clad metallic wire for concentric lay stranded conductors
dea: 2021-07-23

prEN IEC 63373:2021

Dynamic on-resistance test method guidelines for GaN HEMT based power conversion devices
dea: 2021-06-25

13.320 Sisteme de alarmă și de alertare

prEN 50131-2-3:2021

Alarm systems - Intrusion and hold-up systems - Part 2-3: Requirements for microwave detectors
dea: 2021-07-23

EN 62820-1-1:2016/prAA

Building intercom systems - Part 1-1: System requirements - General
dea: 2021-07-16

17.140 Acustică și măsurări acustice

17.140.50 Electroacustică

prEN IEC 60645-6:2021

Electroacoustics - Audiometric equipment - Part 6: Instruments for the measurement of otoacoustic emissions
dea: 2021-07-09

17.240 Măsurări de radiații

prEN IEC 60544-5:2021

Electrical insulating materials - Determination of the effects of ionizing radiation - Part 5: Procedures for assessment of ageing in service
dea: 2021-06-25

25.140 Unelte de mână

25.140.20 Unelte electrice

EN 62841-4-2:2019/prA1

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-2: Particular requirements for hedge trimmers
dea: 2021-07-23

27.120 Energie nucleară

27.120.20 Centrale nucleare. Securitate

prEN IEC 60987:2021

Nuclear power plants - Instrumentation and control important to safety - Hardware design requirements for computer-based systems
dea: 2021-07-09

27.160 Energie solară

prEN IEC 62759-1:2021

Photovoltaic (PV) modules - Transportation testing - Part 1: Transportation and shipping of module package units
dea: 2021-07-16

29.035 Materiale electroizolante

29.035.01 Materiale electroizolante în general**prEN IEC 60544-5:2021**

Electrical insulating materials - Determination of the effects of ionizing radiation - Part 5: Procedures for assessment of ageing in service

dea: 2021-06-25

29.060 Conductoare și cabluri electrice**29.060.20 Cabluri****EN 50525-1:2011/prA1:2021**

Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - Part 1: General requirements

dea: 2021-07-23

EN IEC 60230:2018/prA1:2021

Impulse tests on cables and their accessories

dea: 2021-07-23

29.120 Accesorii electrice**29.120.50 Siguranțe fuzibile și alte aparate de protecție la scurtcircuit****prEN IEC 60127-6:2021**

Miniature fuses - Part 6: Fuse-holders for miniature fuse-links

dea: 2021-07-23

29.130 Aparate de conectare și comandă**29.130.10 Aparate de conectare și comandă de înaltă tensiune****prEN IEC 62271-202:2021**

High-voltage switchgear and controlgear - Part 202: High-voltage/ low-voltage prefabricated substation

dea: 2021-06-25

prEN IEC 62271-204:2021

High-voltage switchgear and controlgear - Part 204: Rigid gas-insulated transmission lines for rated voltage above 52 kV

dea: 2021-06-25

prEN IEC 62271-4:2021

High-voltage switchgear and controlgear - Part 4: Handling procedures for gases and gas mixtures for interruption and insulation

dea: 2021-06-25

29.130.99 Alte aparate de conectare și de comandă**prEN IEC 62271-4:2021**

High-voltage switchgear and controlgear - Part 4: Handling procedures for gases and gas mixtures for interruption and insulation

dea: 2021-06-25

29.160 Mașini electrice rotative**29.160.01 Mașini electrice rotative în general****CLC IEC/FprTS 60034-30-2**

Rotating electrical machines - Part 30-2: Efficiency classes of variable speed AC motors (IE-code)

dea: 2021-07-09

CLC IEC/FprTS 60034-32

Rotating electrical machines - Part 32: Measurement of stator end-winding vibration at form-wound windings

dea: 2021-07-09

29.180 Transformatoare. Bobine de inductanță**prEN IEC 61558-2-14:2021**

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-14: Particular requirements and tests for variable transformers and power supply units incorporating variable transformers for general applications

dea: 2021-07-23

prEN IEC 61558-2-15:2021

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-15: Particular requirements and tests for isolating transformers for medical IT systems for the supply of medical locations

dea: 2021-07-23

31.140 Dispozitive piezoelectrice**prEN IEC 62604-1:2021**

Surface acoustic wave (SAW) and bulk acoustic wave (BAW) duplexers of assessed quality - Part 1: Generic specification

dea: 2021-07-09

prEN IEC 62604-2:2021

Surface acoustic wave (SAW) and bulk acoustic wave (BAW) duplexers of assessed

Buletinul Standardizării – **Mai 2021**
quality - Part 2: Guidelines for the use
dea: 2021-07-09

**33.200 Telecomandă.
Teleconducere**

EN IEC 61970-301:2020/prA1:2021
Energy management system application
program interface (EMS-API) - Part 301:
Common information model (CIM) base
dea: 2021-07-23

35.110 Rețele

EN 50667:2016/prA1:2021
Information technology - Automated
infrastructure management (AIM) systems -
Requirements, data exchange and
applications
dea: 2021-07-16

**35.240 Aplicații privind tehnologia
informației**

35.240.99 Aplicații IT în alte domenii

EN 50667:2016/prA1:2021
Information technology - Automated
infrastructure management (AIM) systems -
Requirements, data exchange and

applications
dea: 2021-07-16

**47.020 Construcții navale și
structuri maritime în general**

**47.020.60 Echipament electric pentru
nave și construcții maritime**

prHD 60364-7-730
Low-voltage electrical installations - Part 7-
730: Requirements for special installations or
locations - Onshore units of electrical shore
connections for inland navigation vessels
dea: 2021-07-23

**47.020.70 Echipament pentru navigație
și control**

prEN IEC 62288:2021
Maritime navigation and radiocommunication
equipment and systems - Presentation of
navigation-related information on shipborne
navigational displays - General requirements,
methods of testing and required test results
dea: 2021-07-16



**PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE
EUROPENE ETSI SUPUSE ANCHETEI PUBLICE**

În perioada 2021.04.01 – 2021.04.29

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EN 300 132-3 V2.1.13

Comitet Tehnic ETSI: EE 2
Environmental Engineering (EE); Power
supply interface at the input of Information
and Communication Technology (ICT)
equipment; Part 3: Up to 400 V Direct Current
(DC)
dea: 2021-06-30

EN 302 307-2 V1.3.1

Comitet Tehnic ETSI: BROADCAST
Digital Video Broadcasting (DVB); Second
generation framing structure, channel coding
and modulation systems for Broadcasting,
Interactive Services, News Gathering and
other broadband satellite applications; Part 2:
DVB-S2 Extensions (DVB-S2X)
dea: 2021-07-25

EN 303 676 V1.0.1

Comitet Tehnic ETSI: ERM TGMARINE
Navigation radar used on inland waterways;
Operational, functional and technical
requirements
dea: 2021-06-30

EN 303 758 V1.1.0

Comitet Tehnic ETSI: ERM TGDMMR
TETRA radio equipment using non-constant
envelope modulation operating in a channel
bandwidth of 25 kHz, 50 kHz, 100 kHz or 150
kHz; Harmonised Standard for access to
radio spectrum
dea: 2021-06-30

STANDARDIZAREA INTERNAȚIONALĂ

Informațiile din această secțiune se referă la activitatea din cadrul Organizației Internaționale de Standardizare (ISO) și a Comisiei Electrotehnice Internaționale (IEC).

Pentru înțelegerea simbolurilor utilizate în această secțiune se fac precizările de mai jos:

ISO	standard internațional ISO (de exemplu, ISO 9001)
IEC	standard internațional IEC (de exemplu, IEC 60050)
ISO/TS, IEC/TS	specificație tehnică ISO, IEC
ISO/TR, IEC/TR	raport tehnic ISO, IEC
ISO/PAS, IEC PAS	specificație disponibilă publicului ISO, IEC
IWA	acordul unui workshop ISO, IEC
ISO/DIS	proiect de standarde internațional ISO
dea	termenul limită de vot



STANDARDE / DOCUMENTE DE STANDARDIZARE INTERNAȚIONALE ISO APROBATE

În perioada 2021.04.01 – 2021.04.29

ISO/IEC JTC 1 **TEHNOLOGIA INFORMAȚIEI**

ISO/IEC 11801-3:2017/Amd 1:2021

ISO/IEC 18598:2016/Amd 1:2021

ISO/IEC 21481:2021

Information technology --
Telecommunications and information
exchange between systems -- Near field
communication interface and protocol 2
(NFCIP-2)

ISO/IEC 21794-2:2021

Information technology -- Plenoptic image
coding system (JPEG Pleno) -- Part 2: Light
field coding

ISO/IEC 23126:2021

Information technology for learning,
education and training -- Ubiquitous learning
resource organization and description
framework

ISO/IEC 24734:2021

Information technology -- Office equipment --
Method for measuring digital printing
productivity

ISO/IEC 24735:2021

Information technology -- Office equipment --
Method for measuring digital copying
productivity

ISO/IEC 24775-1:2021

Information technology -- Storage
management -- Part 1: Overview

ISO/IEC 24775-2:2021

Information technology -- Storage
management -- Part 2: Common Architecture

ISO/IEC 24775-3:2021

Information technology -- Storage
management -- Part 3: Common profiles

ISO/IEC 24775-4:2021

Information technology -- Storage
management -- Part 4: Block devices

ISO/IEC 24775-5:2021

Information technology -- Storage
management -- Part 5: File systems

ISO/IEC 24775-6:2021

Information technology -- Storage
management -- Part 6: Fabric

ISO/IEC 24775-7:2021

Information technology -- Storage
management -- Part 7: Host elements

ISO/IEC 24775-8:2021

Information technology -- Storage
management -- Part 8: Media libraries

ISO/IEC 24800-2:2021

Information technology -- JPSearch -- Part 2:

Buletinul Standardizării – **Mai 2021**
Registration, identification and management
of schema and ontology

ISO/IEC 26580:2021

Software and systems engineering --
Methods and tools for the feature-based
approach to software and systems product
line engineering

ISO/IEC 27050-4:2021

Information technology -- Electronic discovery
-- Part 4: Technical readiness

ISO/IEC 29183:2021

Information technology -- Office equipment --
Method for measuring digital copying
productivity for a single one-sided original

ISO/IEC TS 33061:2021

Information technology -- Process
assessment -- Process assessment model for
software life cycle processes

**ISO/TC 6 HÂRTIE, CARTON ȘI
CELULOZĂ**

ISO 12625-17:2021

Tissue paper and tissue products -- Part 17:
Determination of disintegration in water

**ISO/TC 10 DOCUMENTAȚIE TEHNICĂ
DE PRODUS**

ISO 16792:2021

Technical product documentation -- Digital
product definition data practices

ISO/TC 17 OȚEL

ISO 630-1:2021

Structural steels -- Part 1: General technical
delivery conditions for hot-rolled products

ISO 630-2:2021

Structural steels -- Part 2: Technical delivery
conditions for structural steels for general
purposes

ISO 630-3:2021

Structural steels -- Part 3: Technical delivery
conditions for fine-grain structural steels

ISO 630-4:2021

Structural steels -- Part 4: Technical delivery
conditions for high yield strength quenched
and tempered structural steel plates and wide
flats

ISO/TC 20 AERONAUTICĂ ȘI SPAȚIU

ISO/TR 20590:2021

Space systems -- Space debris mitigation
design and operation manual for launch
vehicle orbital stages

ISO/TC 22 VEHICULE RUTIERE

ISO 20730-1:2021

Road vehicles -- Vehicle interface for
electronic Periodic Technical Inspection
(ePTI) -- Part 1: Application and
communication requirements

**ISO/TC 23 TRACTOARE ȘI MATERIALE
AGRICOLE ȘI FORESTIERE**

ISO 8909-1:2021

Equipment for harvesting -- Forage
harvesters -- Part 1: Vocabulary

ISO 8909-2:2021

Equipment for harvesting -- Forage
harvesters -- Part 2: Specification of
characteristics and performance

ISO 8909-3:2021

Equipment for harvesting -- Forage
harvesters -- Part 3: Test methods

**ISO/TC 28 PRODUSE PETROLIERE ȘI
LUBRIFIANȚI**

ISO 6249:2021

Petroleum products -- Determination of
thermal oxidation stability of gas turbine fuels

ISO 9038:2021

Determination of sustained combustibility of
liquids

ISO/TC 33 MATERIALE REFRACTARE

ISO 23071:2021

Refractory products -- Determination of
reduced species in carbon containing
refractories by XRD

ISO/TC 34 PRODUSE ALIMENTARE

ISO 23036-1:2021

Microbiology of the food chain -- Methods for
the detection of Anisakidae L3 larvae in fish
and fishery products -- Part 1: UV-press
method

ISO 23036-2:2021

Microbiology of the food chain -- Methods for the detection of Anisakidae L3 larvae in fish and fishery products -- Part 2: Artificial digestion method

ISO/TC 38 TEXTILE**ISO 1140:2021**

Fibre ropes -- Polyamide -- 3-, 4-, 8- and 12-strand ropes

ISO 1141:2021

Fibre ropes -- Polyester -- 3-, 4-, 8- and 12-strand ropes

ISO 1346:2021

Fibre ropes -- Polypropylene split film, monofilament and multifilament (PP2) and polypropylene high-tenacity multifilament (PP3) -- 3-, 4-, 8- and 12-strand ropes

ISO 16322-2:2021

Textiles -- Determination of spirality after laundering -- Part 2: Woven and knitted fabrics

ISO 16322-3:2021

Textiles -- Determination of spirality after laundering -- Part 3: Woven and knitted garments

ISO/TC 43 ACUSTICĂ**ISO 8297:1994/Amd 1:2021****ISO 10140-2:2021**

Acoustics -- Laboratory measurement of sound insulation of building elements -- Part 2: Measurement of airborne sound insulation

ISO 10140-3:2021

Acoustics -- Laboratory measurement of sound insulation of building elements -- Part 3: Measurement of impact sound insulation

ISO 10140-4:2021

Acoustics -- Laboratory measurement of sound insulation of building elements -- Part 4: Measurement procedures and requirements

ISO 10140-5:2021

Acoustics -- Laboratory measurement of sound insulation of building elements -- Part 5: Requirements for test facilities and equipment

ISO/TS 19488:2021

Acoustics -- Acoustic classification of dwellings

ISO/TC 44 SUDARE ȘI PROCEDEE CONEXE**ISO 3834-2:2021**

Quality requirements for fusion welding of metallic materials -- Part 2: Comprehensive quality requirements

ISO 3834-3:2021

Quality requirements for fusion welding of metallic materials -- Part 3: Standard quality requirements

ISO 3834-4:2021

Quality requirements for fusion welding of metallic materials -- Part 4: Elementary quality requirements

ISO/TR 20172:2021

Welding -- Grouping systems for materials -- European materials

ISO/TC 45 ELASTOMERI ȘI PRODUSE PE BAZĂ DE ELASTOMERI**ISO 1402:2021**

Rubber and plastics hoses and hose assemblies -- Hydrostatic testing

ISO 7233:2021

Rubber and plastics hoses and hose assemblies -- Determination of resistance to vacuum

ISO 14557:2021

Fire-fighting hoses -- Rubber and plastics suction hoses and hose assemblies

ISO 23384:2021

Rubber and plastics hoses and hose assemblies, wire or textile reinforced types with working pressure equal or above 70 MPa (700 bar) -- Specification

ISO/TC 59 CONSTRUCȚII IMOBILIARE**ISO 24070-1:2021**

Building and civil engineering sealants -- Determination of cured thickness of one-component sealant -- Part 1: Taper-shaped groove test method

ISO 24070-2:2021

Building and civil engineering sealants -- Determination of cured thickness of one-

component sealant -- Part 2: Cylindrical cup test method

ISO/TC 60 ANGRENAJE

ISO/TR 10300-32:2021

Calculation of load capacity of bevel gears -- Part 32: ISO rating system for bevel and hypoid gears -- Sample calculation for scuffing load capacity

ISO/TS 10300-20:2021

Calculation of load capacity of bevel gears -- Part 20: Calculation of scuffing load capacity -- Flash temperature method

ISO/TC 61 MATERIALE PLASTICE

ISO 4216:2021

Thermosetting resin and UV curable resin -- Determination of shrinkage by continuous measurement method

ISO 4589-4:2021

Plastics -- Determination of burning behaviour by oxygen index -- Part 4: High gas velocity test

ISO 17088:2021

Plastics -- Organic recycling -- Specifications for compostable plastics

ISO 20965:2021

Plastics -- Determination of the transient extensional viscosity of polymer melts

**ISO/TC 69 APLICAȚII ALE
METODELOR STATISTICE**

ISO 16337:2021

Application of statistical and related methods to new technology and product development process -- Robust tolerance design (RTD)

**ISO/TC 71 BETON, BETON ARMAT ȘI
BETON PRECOMPRIMAT**

ISO 22873:2021

Quality control for batching and mixing steel fibre-reinforced concretes

**ISO/TC 86 TEHNICA FRIGULUI ȘI
CLIMATIZARE**

ISO 817:2014/Amd 2:2021

ISO/TC 106 STOMATOLOGIE

ISO 23445:2021

Dentistry -- Tissue punches

ISO 23940:2021

Dentistry -- Excavators

**ISO/TC 107 ACOPERIRI METALICE ȘI
ALTE ACOPERIRI
ANORGANICE**

ISO 4518:2021

Metallic coatings -- Measurement of coating thickness -- Profilometric method

ISO 12671:2021

Thermal spraying -- Thermally sprayed coatings -- Symbolic representation on drawings

ISO 23131:2021

Ellipsometry -- Principles

ISO 23486:2021

Metallic and other inorganic coatings -- Measurement of Young's modulus of thermal barrier coatings at elevated temperature by flexural resonance method

ISO/TC 120 PIELE

ISO 14931:2021

Leather -- Leather for apparel (excluding furs) -- Specifications and sampling procedures

ISO 20940:2021

Leather -- Crust full chrome upper leather -- Specifications and test methods

**ISO/TC 121 ECHIPAMENTE PENTRU
ANESTEZIE ȘI REANIMARE**

ISO 80601-2-87:2021

Medical electrical equipment -- Part 2-87: Particular requirements for basic safety and essential performance of high-frequency ventilators

ISO/TC 122 AMBALAJE

ISO/TR 18568:2021

Packaging and the environment -- Marking for material identification

ISO/TC 123 LAGĂRE

ISO 7905-1:2021

Plain bearings -- Bearing fatigue -- Part 1:

Plain bearings in test rigs and in applications under conditions of hydrodynamic lubrication

ISO 12130-1:2021

Plain bearings -- Hydrodynamic plain tilting pad thrust bearings under steady-state conditions -- Part 1: Calculation of tilting pad thrust bearings

ISO/TC 138 ȚEVI, FITINGURI ȘI ROBINETE DE MATERIALE PLASTICE PENTRU TRANSPORTUL FLUIDELOR

ISO 7432:2021

Glass-reinforced thermosetting plastics (GRP) pipes and fittings -- Test methods to prove the design of locked socket-and-spigot joints, including double-socket joints, with elastomeric seals

ISO 10466:2021

Glass-reinforced thermosetting plastics (GRP) pipes -- Test method to prove the resistance to initial ring deflection

ISO 11298-4:2021

Plastics piping systems for renovation of underground water supply networks -- Part 4: Lining with cured-in-place pipes

ISO 12176-2:2008/Amd 1:2021

ISO/TC 146 CALITATEA AERULUI

ISO 23506:2021

Workplace air -- Analysis of airborne water immiscible mineral oil droplets and vapor with Fourier -- Transform infrared spectroscopy

ISO/TC 150 IMPLANTURI CHIRURGICALE

ISO/TR 17327-2:2021

Non-active surgical implants -- Implant coating -- Part 2: Reference standards related to coatings

ISO/TC 172 OPTICĂ ȘI FOTONICĂ

ISO 23364:2021

Optics and Photonics -- Bulk absorption optical filters

ISO/TC 173 PRODUSE AJUTĂTOARE PENTRU PERSOANE CU DEFICIENȚE SAU HANDICAP

ISO 10542-1:2012/Amd 1:2021

Annexes K, L, M

ISO/TC 176 MANAGEMENTUL CALITĂȚII ȘI ASIGURAREA CALITĂȚII

ISO 10014:2021

Quality management systems -- Managing an organization for quality results -- Guidance for realizing financial and economic benefits

ISO/TC 184 SISTEME DE AUTOMATIZARI INDUSTRIALE ȘI STRUCTURI DE INTEGRARE

ISO 10303-210:2021

Industrial automation systems and integration -- Product data representation and exchange -- Part 210: Application protocol: Electronic assembly, interconnect and packaging design

ISO/TC 188 NAVE MICI

ISO 14945:2021

Small craft -- Builder's plate

ISO 14946:2021

Small craft -- Maximum load capacity

ISO/TC 190 CALITATEA SOLULUI

ISO 10390:2021

Soil, treated biowaste and sludge -- Determination of pH

ISO/TC 198 STERILIZAREA PRODUSELOR DE ÎNGRIJIREA SĂNĂȚII

ISO 13408-6:2021

Aseptic processing of health care products -- Part 6: Isolator systems

ISO/TC 201 ANALIZE CHIMICE DE SUPRAFAȚĂ

ISO 20579-3:2021

Surface chemical analysis -- Sample handling, preparation and mounting -- Part 3: Biomaterials

ISO/TC 202 ANALIZE MICROBIENE

ISO 23420:2021

Microbeam analysis -- Analytical electron microscopy -- Method for the determination of energy resolution for electron energy loss spectrum analysis

ISO 23692:2021

Microbeam analysis -- Electron probe microanalysis -- Quantitative analysis of Mn dendritic segregation in continuously cast steel product

ISO/TC 204 SISTEME INTELIGENTE DE TRANSPORT

ISO 16460:2021

Intelligent transport systems -- Localized communications -- Communication protocol messages for global usage

ISO 20684-1:2021

Intelligent transport systems -- Roadside modules SNMP data interface -- Part 1: Overview

ISO/TS 20684-10:2021

Intelligent transport systems -- Roadside modules SNMP data interface -- Part 10: Variable message signs

ISO/TC 206 CERAMICĂ TEHNICĂ

ISO 23738:2021

Fine ceramics (advanced ceramics, advanced technical ceramics) -- Measurement method of spectral reflectance of fine ceramic thin films under humid conditions

ISO/TC 210 MANAGEMENTUL CALITĂȚII ȘI ASPECTE GENERALE REFERITOARE LA DISPOZITIVEL MEDICALE

ISO 20417:2021

Medical devices -- Information to be supplied by the manufacturer

ISO/TC 211 INFORMAȚII GEOGRAFICE

ISO 19148:2021

Geographic information -- Linear referencing

ISO/TC 215 INFORMATICĂ MEDICALĂ

ISO/TS 22077-5:2021

Health informatics -- Medical waveform format -- Part 5: Neurophysiological signals

ISO 23903:2021

Health informatics -- Interoperability and integration reference architecture – Model and framework

ISO 27269:2021

Health informatics -- International patient summary

ISO/TC 224 ACTIVITĂȚI DE SERVICE PRIVATOARE LA SISTEMELE DE ALIMENTARE CU APĂ POTABILĂ - CRITERII DE CALITATE A SERVICIILOR ȘI INDICATORI DE PERFORMANȚA

ISO/TR 24539:2021

Service activities relating to drinking water supply, wastewater and stormwater systems -
- Examples of good practices for stormwater management

ISO/TC 232 SERVICII DE ÎNVĂȚARE PENTRU EDUCAȚIE NON-FORMALĂ ȘI INSTRUIRE

ISO 29994:2021

Education and learning services -- Requirements for distance learning

ISO/TC 244 CUPTOARE INDUSTRIALE ȘI ECHIPAMENTE TERMICE ASOCIATE

ISO 23495:2021

Industrial furnaces and associated processing equipment -- Safety requirements for steel converter and associated equipment

ISO/TC 260 MANAGEMENTUL RESURSELOR UMANE

ISO/TS 30430:2021

Human resource management -- Recruitment metrics cluster

ISO/TC 281 TEHNOLOGIA BULELOR FINE

ISO/TR 24217-2:2021

Fine bubble technology – Guideline for indicating benefits -- Part 2: Assignment of Sustainable Development Goals (SDGs) to applications of fine bubble technologies

ISO/TC 286 MANGEMENT COLABORATIV AL RELAȚIILOR DE AFACERI. CADRU

ISO 44003:2021

Collaborative business relationship

management -- Guidelines for micro, small and medium-sized enterprises on the implementation of the fundamental principles

ISO 37301:2021
Compliance management systems -- Requirements with guidance for use

ISO/TC 309



STANDARDE / DOCUMENTE DE STANDARDIZARE INTERNAȚIONALE IEC APROBATE

În perioada 2021.04.01 – 2021.04.29

IEC/TC 1 TERMINOLOGIE

IEC 60050-431:1980/A1:2021

Amendment 1 - International Electrotechnical Vocabulary (IEV) - Part 431: Transducers

IEC 60050-712:1992/A1:2021

Amendment 1 - International Electrotechnical Vocabulary (IEV) - Part 712: Antennas

IEC 60050-726:1982/A6:2021

Amendment 6 - International Electrotechnical Vocabulary (IEV) - Part 726: Transmission lines and waveguides

IEC 60050-731:1991/A6:2021

Amendment 6 - International Electrotechnical Vocabulary (IEV) - Part 731: Optical fibre communication

IEC 60050-732:2010/A3:2021

Amendment 3 - International Electrotechnical Vocabulary (IEV) - Part 732: Computer network technology

IEC 60050-802:2011/A1:2021

Amendment 1 - International Electrotechnical Vocabulary (IEV) - Part 802: Ultrasonics

IEC 60050-815:2015/A3:2021

Amendment 3 - International Electrotechnical Vocabulary (IEV) - Part 815: Superconductivity

IEC 60050-841:2004/A1:2021

Amendment 1 - International Electrotechnical Vocabulary (IEV) - Part 841: Industrial electroheat

IEC/TC 2 MAȘINI ELECTRICE ROTATIVE

IEC TS 60034-27-5:2021

Rotating electrical machines - Part 27-5: Off-line measurement of partial discharge inception voltage on winding insulation under repetitive impulse voltage

IEC 60773:2021

Rotating electrical machines - Test methods and apparatus for the measurement of the operational characteristics of brushes

IEC/TC 8 ASPECTE ALE SISTEMULUI DE FURNIZARE A ENERGIEI ELECTRICE

IEC 62934:2021

Grid integration of renewable energy generation - Terms and definitions

IEC/TC 17 APARATAJ ELECTRIC

IEC 62271-106:2021

High-voltage switchgear and controlgear - Part 106: Alternating current contactors, contactor-based controllers and motor-starters

IEC/TC 18 INSTALAȚIILE ELECTRICE ALE NAVELOR ȘI ALE UNITĂȚILOR MOBILE ȘI FIXE DE PE MARE

IEC/IEEE 61886-1:2021

Subsea equipment - Part 1: Power connectors, penetrators and jumper assemblies with rated voltage from 3 kV ($U_{max} = 3,6$ kV) to 30 kV ($U_{max} = 36$ kV)

IEC/TC 22 SISTEME ȘI ECHIPAMENTE PENTRU ELECTRONICA DE PUTERE

IEC 62040-3:2021

Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements

IEC/TC 23 ACCESORII ELECTRICE

IEC 61386-21:2021

Conduit systems for cable management -

Part 21: Particular requirements - Rigid conduit systems

IEC 61386-22:2021

Conduit Systems for cable management - Part 22: Particular requirements - Pliable conduit systems

IEC 61386-23:2021

Conduit systems for cable management - Part 23: Particular requirements - Flexible conduit systems

IEC/TC 26 SUDURĂ ELECTRICĂ

IEC 60974-11:2021

Arc welding equipment - Part 11: Electrode holders

IEC 60974-13:2021

Arc welding equipment - Part 13: Welding current return clamp

IEC 60974-8:2021

Arc welding equipment - Part 8: Gas consoles for welding and plasma cutting systems

IEC/TC 32 SIGURANȚE ELECTRICE

IEC 60269-6:2010/A1:2021

Amendment 1 - Low-voltage fuses - Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems

IEC 60269-6:2010+A1:2021 CSV

Low-voltage fuses - Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems

IEC/TC 34 LĂMPI ȘI ECHIPAMENTUL ASOCIAT

IEC 60809:2021

Lamps and light sources for road vehicles - Dimensional, electrical and luminous requirements

IEC/TC 35 ELEMENTE GALVANICE PRIMARE ȘI BATERII

IEC 60086-1:2021

Primary batteries - Part 1: General

IEC 60086-2:2021

Primary batteries - Part 2: Physical and electrical specifications

IEC 60086-3:2021

Primary batteries - Part 3: Watch batteries

IEC/TC 40 CONDENSATOARE ȘI REZISTOARE ELECTRONICE

IEC 60286-1:2017/A1:2021

Amendment 1 - Packaging of components for automatic handling - Part 1: Tape packaging of components with axial leads on continuous tapes

IEC 60286-1:2017+A1:2021 CSV

Packaging of components for automatic handling - Part 1: Tape packaging of components with axial leads on continuous tapes

IEC 60384-2:2021

Fixed capacitors for use in electronic equipment - Part 2: Sectional specification - Fixed metallized polyethylene terephthalate film dielectric DC capacitors

IEC/TC 45 APARATURĂ NUCLEARĂ

IEC 61468:2021

Nuclear power plants - Instrumentation systems important to safety - In-core instrumentation: Characteristics and test methods of self-powered neutron detectors

IEC/IEEE 63113:2021

Nuclear facilities - Instrumentation important to safety - Spent fuel pool instrumentation

IEC/TC 47 DISPOZITIVE CU SEMICONDUCTOARE

IEC 62228-5:2021

Integrated circuits - EMC evaluation of transceivers - Part 5: Ethernet transceivers

IEC 63229:2021

Semiconductor devices - Classification of defects in gallium nitride epitaxial film on silicon carbide substrate

IEC/TC 48 COMPONENTE ELECTROMECHANICE ȘI STRUCTURI MECANICE PENTRU ECHIPAMENTUL ELECTRONIC

IEC 61076-3-122:2021

Connectors for electrical and electronic equipment - Product requirements - Part 3-

122: Detail specification for 8-way, shielded, free and fixed connectors for I/O and data transmission with frequencies up to 500 MHz and current-carrying capacity in industrial environments

IEC 61587-6:2021

Mechanical structures for electrical and electronic equipment - Tests for IEC 60917 and IEC 60297 series - Part 6: Security aspects for indoor cabinets

IEC/TC 57 CONDUCEREA SISTEMELOR ELECTRICE DE PUTERE ȘI SCHIMBUL DE INFORMAȚII ASOCIAT

IEC TR 61850-7-5:2021

Communication networks and systems for power utility automation - Part 7-5: IEC 61850 modelling concepts

IEC 61968-3:2021

Application integration at electric utilities - System interfaces for distribution management - Part 3: Interface for network operations

IEC 62488-3:2021

Power line communication systems for power utility applications - Part 3: Digital Power Line Carrier (DPLC) terminals and hybrid ADPLC terminals

IEC/TC 61 SECURITATEA APARATELOR ELECTRICE DE UZ CASNIC

IEC 60335-2-69:2021

Household and similar electrical appliances - Safety - Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use

IEC/TC 64 INSTALAȚII ELECTRICE ȘI PROTECȚIA ÎMPOTRIVA ȘOCULUI

IEC 60364-5-54:2011/A1:2021

Amendment 1 - Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors

IEC 60364-5-54:2011+A1:2021 CSV

Low-voltage electrical installations - Part 5-54: Selection and erection of electrical

equipment - Earthing arrangements and protective conductors

IEC/TC 65 MĂSURĂ ȘI COMANDĂ ÎN PROCESELE INDUSTRIALE

IEC 61784-3-18:2011/A2:2021

Amendment 2 - Industrial communication networks - Profiles - Part 3-18: Functional safety fieldbuses - Additional specifications for CPF 18

IEC 61784-3-18:2011+A1:2016+A2:2021 CSV

Industrial communication networks - Profiles - Part 3-18: Functional safety fieldbuses - Additional specifications for CPF 18

IEC/TC 68 MATERIALE MAGNETICE PRECUM ALIAJELE ȘI OȚELURILE

IEC TR 63304:2021

Methods of measurement of the magnetic properties of permanent magnet (magnetically hard) materials in an open magnetic circuit using a superconducting magnet

IEC/TC 78 LUCRĂRI SUB TENSIUNE

IEC 61243-1:2021

Live working - Voltage detectors - Part 1: Capacitive type to be used for voltages exceeding 1 kV AC

IEC/TC 80 SISTEME ȘI ECHIPAMENTE DE RADIOCOMUNICAȚII ȘI NAVIGAȚIE MARITIMĂ

IEC PAS 61162-103:2021

Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 103: Single talker and multiple listeners - New and amended sentences and Talker IDs

IEC/TC 82 SISTEME DE CONVERSIE FOTOVOLTAICĂ A ENERGIEI SOLARE

IEC 62920:2017/A1:2021

Amendment 1 - Photovoltaic power generating systems - EMC requirements and test methods for power conversion equipment

IEC 62920:2017+A1:2021 CSV

Photovoltaic power generating systems -

EMC requirements and test methods for power conversion equipment

IEC TS 63140:2021

Photovoltaic (PV) modules - Partial shade endurance testing for monolithically integrated products

IEC TS 63209-1:2021

Photovoltaic modules - Extended-stress testing - Part 1: Modules

IEC/TC 86 FIBRE OPTICE

IEC 60794-1-403:2021

Optical fibre cables - Part 1-403: Generic specification - Basic optical cable test procedures - Electrical test methods - Electrical continuity test of cable metallic elements, method H3

IEC 60794-3-70:2021

Optical fibre cables - Part 3-70: Outdoor cables - Family specification for outdoor optical fibre cables for rapid/multiple deployment

IEC 60794-4-30:2021

Optical fibre cables - Part 4-30: Aerial optical cables along electrical power lines - Family specification for optical phase conductor (OPPC) optical cables

IEC 61753-111-08:2021

Fibre optic interconnecting devices and passive components - Performance standard - Part 111-08: Sealed closures for category G - Ground

IEC 62148-21:2021

Fibre optic active components and devices - Package and interface standards - Part 21: Design guidelines of electrical interface of PIC packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (S-FLGA)

**IEC/TC 89 ÎNCERCĂRI PRIVIND
RISCURILE DE FOC**

IEC TS 60695-2-20:2021

Fire hazard testing - Part 2-20: Glowing/hot-wire based test methods - Hot wire ignition coil test method - Apparatus, verification, test method and guidance

IEC/TC 90 SUPRACONDUCTIVITATE

IEC 61788-17:2021

Superconductivity - Part 17: Electronic characteristic measurements - Local critical current density and its distribution in large-area superconducting films

**IEC/TC 96 TRANSFORMATOARE,
BOBINE DE REACTANȚĂ,
BLOCURI DE ALIMENTARE ȘI
COMBINAȚII ALE ACESTORA**

IEC 61558-2-1:2021

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications

**IEC/TC 110 DISPOZITIVE DE AFIȘARE
PLANE**

IEC TR 62977-1-31:2021

Electronic displays - Part 1-31: Generic - Practical information for use of light measuring devices

**IEC/TC 116 SECURITATEA UNELTELOR
ELECTRICE CU MOTOR
PORTABILE**

IEC 62841-2-3:2020/C1:2021

Corrigendum 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-3: Particular requirements for hand-held grinders, disc-type polishers and disc-type sanders

IEC/TC 119 ELECTRONICE IMPRIMATE

IEC 62899-402-3:2021

Printed electronics - Part 402-3: Printability - Measurement of qualities - Voids in printed pattern using a two-dimensional optical image

**IEC/TC 121 APARATE ȘI ANSAMBLURI
DE APARATE DE JOAȘĂ
TENSIUNE**

IEC 60947-4-1:2018/C2:2021

Corrigendum 2 - Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters

IEC 60947-9-2:2021

Low-voltage switchgear and controlgear -
Part 9-2: Active arc-fault mitigation systems -
Optical-based internal arc-detection and
mitigation devices

IEC/TC 122**IEC TR 63042-303:2021**

UHV AC transmission systems - Part 303:
Guideline for the measurement of UHV AC
transmission line power frequency
parameters

IEC/TC 124**IEC 63203-201-3:2021**

Wearable electronic devices and
technologies - Part 201-3: Electronic textile -
Determination of electrical resistance of
conductive textiles under simulated
microclimate



**PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE
INTERNAȚIONALE ISO SUPUSE ANCHETEI PUBLICE**

În perioada **2021.04.01 – 2021.04.29**

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observații orice persoană fizică sau juridică, la adresa ancheta.publica@asro.ro. Proiectele pot fi obținute de la ASRO precizând indicativul și titlul proiectului. Termenul limită până la care se pot trimite comentarii este cu 30 zile calendaristice înainte de termenul limită de vot (dea), indicat după fiecare proiect.

**ISO/IEC JTC 1 TEHNOLOGIA
INFORMAȚIEI**

everything
dea: 2021-07-01

ISO/IEC 9594-2:2020/DAmD 1
dea: 2021-07-07

ISO/IEC DIS 21559-1
Telecommunications and information
exchange between systems -- Future network
protocols and mechanisms -- Part 1:
Switching and routing
dea: 2021-07-01

ISO/IEC DIS 15909-3
Systems and software engineering -- High-
level petri nets -- Part 3: Extensions and
structuring mechanisms
dea: 2021-06-25

ISO/IEC DIS 21559-3
Telecommunications and information
exchange between systems -- Future network
protocols and mechanisms -- Part 3:
Networking of everything
dea: 2021-07-01

ISO/IEC 18013-3:2017/DAmD 1
PACE protocol
dea: 2021-07-06

ISO/IEC 23003-3:2020/DAmD 1
Reference software and conformance
dea: 2021-07-09

ISO/IEC DIS 21122-2
Information technology -- JPEG XS low-
latency lightweight image coding system --
Part 2: Profiles and buffer models
dea: 2021-07-13

ISO/IEC DIS 23003-7
Information technology -- MPEG audio
technologies -- Part 7: Unified speech and
audio coding conformance testing
dea: 2021-07-13

ISO/IEC DIS 21558-1
Telecommunications and information
exchange between systems -- Future network
architecture -- Part 1: Switching and Routing
dea: 2021-07-01

ISO/IEC 23008-12:2017/DAmD 2
Support for VVC, EVC, slideshows and other
improvements
dea: 2021-07-09

ISO/IEC DIS 21558-3
Telecommunications and information
exchange between systems -- Future network
architecture -- Part 3: Networking of

ISO/IEC DIS 23090-12

Information technology -- Coded representation of immersive media -- Part 12: Immersive Video
dea: 2021-06-29

ISO/IEC DIS 23093-1

Information technology -- Internet of media things -- Part 1: Architecture
dea: 2021-06-28

ISO/IEC DIS 23634

Information technology -- Automatic identification and data capture techniques -- JAB Code polychrome bar code symbology specification
dea: 2021-07-12

ISO/IEC DIS 28360-1

Information technology -- Office equipment -- Determination of chemical emission rates from electronic equipment -- Part 1: Using-consumables
dea: 2021-07-05

ISO/IEC DIS 29168-1

Information technology -- Open systems interconnection -- Part 1: Object identifier resolution system
dea: 2021-07-07

ISO/IEC DIS 38507

Information technology -- Governance of IT -- Governance implications of the use of artificial intelligence by organizations
dea: 2021-07-13

**ISO/TC 8 NAVE ȘI TEHNOLOGIE
MARITIMĂ**

ISO/DIS 7547

Ships and marine technology -- Air-conditioning and ventilation of accommodation spaces and other enclosed compartments on board ships -- Design conditions and basis of calculations
dea: 2021-07-15

ISO/DIS 22834

Large yachts -- Quality assessment of life onboard -- Stabilization/sea keeping
dea: 2021-07-15

ISO/DIS 23446

Marine technology -- Guidelines for product water quality of seawater reverse osmosis (RO) desalination for municipal water supply
dea: 2021-06-24

ISO/DIS 23730

Marine technology -- Marine environment impact assessment (MEIA) -- General technical requirement
dea: 2021-07-07

ISO/TC 17 OȚEL

ISO/DIS 23717

Steel wire and wire products -- Hose reinforcement wire
dea: 2021-07-05

ISO/TC 20 AERONAUTICĂ ȘI SPAȚIU

ISO/DIS 5224

Rotorcrafts -- Flight Dynamics -- Vocabulary and symbols
dea: 2021-07-05

ISO/TC 22 VEHICULE RUTIERE

ISO 6469-1:2019/DAMd 1

Safety management of thermal propagation
dea: 2021-07-15

ISO/DIS 6469-2

Electrically propelled road vehicles -- Safety specifications -- Part 2: Vehicle operational safety
dea: 2021-07-15

ISO/DIS 6627

Internal combustion engines -- Piston rings -- Expander/segment oil-control rings
dea: 2021-06-28

ISO/DIS 14400

Road vehicles -- Wheels and rims -- Use, general maintenance and safety requirements and out-of-service conditions
dea: 2021-07-06

ISO/DIS 21234

Heavy commercial vehicles and buses -- Moment of inertia measurement
dea: 2021-07-23

ISO/DIS 31120-1

Road vehicles -- injection water -- Part 1: Quality requirements
dea: 2021-06-24

**ISO/TC 23 TRACTOARE ȘI MATERIALE
AGRICOLE ȘI FORESTIERE**

ISO/DIS 13861

Machinery for forestry -- Wheeled skidders --

Terms, definitions and commercial specifications
dea: 2021-06-25

ISO/DIS 13862

Machinery for forestry -- Feller-bunchers -- Terms, definitions and commercial specifications
dea: 2021-06-25

ISO/TC 29 SCULE MICI

ISO/DIS 603-14

Bonded abrasive products -- Dimensions -- Part 14: Grinding wheels for deburring and fettling/snagging on an angle grinder
dea: 2021-07-15

ISO/DIS 603-15

Bonded abrasive products -- Dimensions -- Part 15: Cutting-off wheels on stationary or mobile cutting-off machines
dea: 2021-07-15

ISO/DIS 603-16

Bonded abrasive products -- Dimensions -- Part 16: Cutting-off wheels on hand held power tools
dea: 2021-07-15

ISO/TC 31 ANVELOPE, JANTE ȘI VALVE

ISO/DIS 5383

Agricultural tyres for lawn and garden tractors -- 3-part code designated tyres
dea: 2021-06-28

ISO 11795:2018/DAMd 1

dea: 2021-06-28

ISO/DIS 20908

Tyre sound emission test -- Methods of drum
dea: 2021-07-01

ISO/TC 35 VOPSELE ȘI LACURI

ISO/DIS 17463

Paints and varnishes -- Guidelines for the determination of anticorrosive properties of organic coatings by accelerated cyclic electrochemical technique
dea: 2021-06-30

ISO/TC 38 TEXTILE

ISO/DIS 24180

Textiles -- Synthetic filament yarns --

Electrostatic propensity evaluation by measuring electrical resistance
dea: 2021-07-01

ISO/TC 44 SUDARE ȘI PROCEDEE CONEXE

ISO/DIS 17636-1

Non-destructive testing of welds -- Radiographic testing -- Part 1: X- and gamma-ray techniques with film
dea: 2021-07-09

ISO/TC 45 ELASTOMERI ȘI PRODUSE PE BAZĂ DE ELASTOMERI

ISO/DIS 24376

Rubber, raw natural - Guidelines for technically specified low-protein natural rubber
dea: 2021-06-29

ISO/TC 58 BUTELII PENTRU GAZ

ISO/DIS 13338

Gas cylinders -- Gases and gas mixtures -- Determination of corrosiveness for the selection of cylinder valve outlet
dea: 2021-07-07

ISO/DIS 14246

Gas cylinders -- Cylinder valves -- Manufacturing tests and examinations
dea: 2021-06-30

ISO/DIS 22434

Gas cylinders -- Inspection and maintenance of valves
dea: 2021-07-07

ISO/TC 61 MATERIALE PLASTICE

ISO/DIS 22007-2

Plastics -- Determination of thermal conductivity and thermal diffusivity -- Part 2: Transient plane heat source (hot disc) method
dea: 2021-07-08

ISO/TC 67 MATERIALE, ECHIPAMENT ȘI STRUCTURI MARINE PENTRU INDUSTRIILE PETROLULUI ȘI GAZELOR NATURALE

ISO/DIS 3421

Petroleum and natural gas industries -- Drilling and production equipment -- Offshore

conductor design, setting depth, and installation

dea: 2021-07-19

ISO/DIS 13503-3

Petroleum and natural gas industries -- Completion fluids and materials -- Part 3: Testing of heavy brines

dea: 2021-07-07

ISO/TC 68 SERVICII FINANCIARE

ISO/DIS 4914

Financial services – Unique Product Identifier (UPI)

dea: 2021-06-29

ISO/DIS 5009

Financial Services -- Official organizational roles -- Scheme for official organizational roles

dea: 2021-07-16

ISO/DIS 9564-5

Financial services -- Personal Identification Number (PIN) management and security -- Part 5: Methods for the generation, change, and verification of PINs and card security data using the advanced encryption standard

dea: 2021-07-07

ISO/DIS 11568

Financial services -- Key management (retail) -- Principles, symmetric ciphers and asymmetric cryptosystems, their key management and life cycle

dea: 2021-07-13

**ISO/TC 69 APLICAȚII ALE
METODELOR STATISTICE**

ISO/DIS 3951-1

Sampling procedures for inspection by variables -- Part 1: Specification for single sampling plans indexed by acceptance quality limit (AQL) for lot-by-lot inspection for a single quality characteristic and a single AQL

dea: 2021-07-23

ISO/DIS 28596

Sampling procedures for inspection by attributes -- Two-stage sampling plans for auditing and for inspection under prior information

dea: 2021-07-06

**ISO/TC 79 METALE UȘOARE ȘI
ALIAJELE LOR**

ISO/DIS 18768-1

Organic coatings on aluminium and its alloys -- Method for specifying decorative and protective organic coating on aluminium -- Part 1: Powder coatings

dea: 2021-07-01

ISO/DIS 18768-2

Organic coatings on aluminium and its alloys -- Method for specifying decorative and protective organic coating on aluminium -- Part 2: Liquid coatings

dea: 2021-06-30

**ISO/TC 83 ECHIPAMENTE PENTRU
SPORT ȘI RECREERE**

ISO/DIS 23659

Sports and recreational facilities -- Trampoline parks -- Safety requirements

dea: 2021-07-19

ISO/TC 85 ENERGIE NUCLEARĂ

ISO/DIS 10645

Nuclear energy -- Light water reactors -- Decay heat power in non-recycled nuclear fuels

dea: 2021-06-30

**ISO/TC 94 SECURITATEA PERSOANEI-
ÎMBRĂCĂMINTE ȘI
ECHIPAMENTE DE PROTECȚIE**

ISO/DIS 11610

Protective clothing -- Vocabulary

dea: 2021-07-01

ISO/DIS 12312-3

Eye and face protection -- Sunglasses and related eyewear -- Part 3: Sunglasses for running, cycling and similar active lifestyles

dea: 2021-07-20

ISO/TC 106 STOMATOLOGIE

ISO/DIS 18618

Dentistry -- Interoperability of CAD/CAM systems

dea: 2021-07-13

**ISO/TC 108 VIBRAȚII ȘI ȘOCURI
MECANICE**

ISO/DIS 10326-2

Mechanical vibration -- Laboratory method for evaluating vehicle seat vibration -- Part 2: Application to railway vehicles
dea: 2021-07-16

ISO/TC 121 ECHIPAMENTE PENTRU ANESTEZIE ȘI REANIMARE**ISO/DIS 18778**

Respiratory equipment —Particular requirements for basic safety and essential performance of equipment for infant cardiorespiratory monitorsParticular requirements for basic safety and essential performance of equipment for infant cardiorespiratory monitors
dea: 2021-07-19

ISO/TC 131 SISTEME HIDRAULICE ȘI PNEUMETICE**ISO/DIS 16889.2**

Hydraulic fluid power -- Filters -- Multi-pass method for evaluating filtration performance of a filter element
dea: 2021-06-18

ISO/TC 142 ECHIPAMENT DE CURATIRE PENTRU AER ȘI ALTE GAZE**ISO/DIS 29463-5**

High-efficiency filters and filter media for removing particles in air -- Part 5: Test method for filter elements
dea: 2021-07-13

ISO/TC 146 CALITATEA AERULUI**ISO/DIS 10849**

Stationary source emissions -- Determination of the mass concentration of nitrogen oxides in flue gas -- Performance characteristics of automated measuring systems
dea: 2021-07-09

ISO/DIS 19694-3

Stationary source emissions -- Determination of greenhouse gas emissions in energy-intensive industries -- Part 3: Cement industry
dea: 2021-07-06

ISO/DIS 19694-4

Stationary source emissions -- Determination of greenhouse gas emissions in energy-intensive industries -- Part 4: Aluminium industry
dea: 2021-07-06

ISO/DIS 19694-5

Stationary source emissions -- Determination of greenhouse gas emissions in energy-intensive industries -- Part 5: Lime industry
dea: 2021-07-06

ISO/DIS 19694-6

Stationary source emissions -- Determination of greenhouse gas emissions in energy-intensive industries -- Part 6: Ferroalloy industry
dea: 2021-07-06

ISO/TC 153 ROBINETĂRIE**ISO/DIS 28921-1**

Industrial valves -- Isolating valves for low-temperature applications -- Part 1: Design, manufacturing and production testing
dea: 2021-07-06

ISO/TC 154 PROCESE, ELEMENTE INFORMATICE ȘI DOCUMENTE ÎN COMERȚ, INDUSTRIE ȘI ADMINISTRAȚIE**ISO/DIS 9735-11**

Electronic data interchange for administration, commerce and transport (EDIFACT) -- Application level syntax rules (Syntax version number: 4, Syntax release number: 1) -- Part 11: Version 3 compatible profile for Version 4 of ISO 9735
dea: 2021-07-15

ISO/TC 159 ERGONOMIE**ISO/DIS 9241-20**

Ergonomics of human-system interaction -- Part 20: An ergonomic approach to accessibility within the ISO 9241 series
dea: 2021-07-21

ISO/TC 164 ÎNCERCĂRI MECANICE ALE METALELOR**ISO/DIS 23838**

Metallic Materials -- High Strain Rate Torsion Test at Room Temperature
dea: 2021-07-05

ISO/TC 172 OPTICĂ ȘI FOTONICĂ**ISO/DIS 12005**

Lasers and laser-related equipment -- Test methods for laser beam parameters --

ISO/DIS 13696

Optics and photonics -- Test method for total scattering by optical components

dea: 2021-07-01

ISO/DIS 19056-3

Microscopes -- Definition and measurement of illumination properties -- Part 3: Incident light fluorescence microscopy with incoherent light sources

dea: 2021-07-09

ISO/DIS 21395-2

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

dea: 2021-07-23

**ISO/TC 173 PRODUSE AJUTĂTOARE
PENTRU PERSOANE CU
DEFICIENȚE SAU HANDICAP**

ISO/DIS 7176-25

Wheelchairs -- Part 25: Lead-acid batteries and chargers for powered wheelchairs -- Requirements and test methods

dea: 2021-06-29

**ISO/TC 174 GIUVAERGERIE ȘI
BIJUTERII**

ISO/DIS 11596

Jewellery and precious metals -- Sampling of precious metals and precious metal alloys

dea: 2021-07-13

ISO/TC 180 ENERGIE SOLARĂ

ISO/DIS 24194

Solar energy -- Collector fields -- Check of performance

dea: 2021-07-07

**ISO/TC 184 SISTEME DE
AUTOMATIZARI INDUSTRIALE
ȘI STRUCTURI DE INTEGRARE**

ISO/DIS 17506

Industrial automation systems and integration -- COLLADA digital asset schema specification for 3D visualization of industrial data

dea: 2021-06-28

ISO/TC 189 PLĂCI CERAMICE

ISO/DIS 10545-18

Ceramic tiles -- Part 18: Determination of Light Reflectance Value (LRV)

dea: 2021-07-06

**ISO/TC 201 ANALIZE CHIMICE DE
SUPRAFAȚĂ**

ISO 17109:2015/DAmD 1

dea: 2021-07-16

ISO/DIS 23729

Surface chemical analysis -- Atomic force microscopy -- Guideline for restoration procedure for atomic force microscopy images dilated by finite probe size

dea: 2021-07-05

**ISO/TC 212 LABORATOARE DE
ANALIZE BIOLOGICE
MEDICALE ȘI SISTEME DE
DIAGNOSTICARE IN VITRO**

ISO/DIS 20776-2

Clinical laboratory testing and in vitro diagnostic test systems -- Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test -- Part 2: Evaluation of performance of antimicrobial susceptibility test devices against reference broth micro-dilution

dea: 2021-07-23

**ISO/TC 228 TURISM ȘI SERVICII
CONEXE**

ISO/DIS 3021

Adventure tourism -- Hiking and trekking activities -- Requirements and recommendations

dea: 2021-07-20

ISO/DIS 3163

Adventure tourism -- Terminology

dea: 2021-07-05

**ISO/TC 249 MEDICINĂ TRADIȚIONALĂ
CHINEZEASCĂ**

ISO/DIS 23419

Traditional Chinese medicine -- General requirement of manufacturing procedure and its quality assurance for granules

dea: 2021-06-25

ISO/DIS 23956

Traditional Chinese medicine --

Determination of benzopyrene in processed natural products
dea: 2021-07-06

ISO/DIS 23958-1

Traditional Chinese Medicine -- Dermal needle for single use -- Part 1: Tapping type
dea: 2021-07-23

ISO/TC 263 METAN DE CĂRBUNE (CBM)**ISO/DIS 4657**

Assessment specification of coalbed methane resources
dea: 2021-07-20

ISO/TC 268 DEZVOLTAREA DURABILĂ ÎN COMUNITĂȚI**ISO/DIS 37110**

Sustainable cities and communities -- Management guidelines of open data for smart cities and communities -- Part 1: Overview and general principles
dea: 2021-07-01

ISO/TC 276 BIOTEHNOLOGIE**ISO/DIS 20397-1**

Biotechnology -- General requirements for massively parallel sequencing -- Part 1:

Nucleic acid and library preparation
dea: 2021-07-23

ISO/TC 286 MANGEMENT COLABORATIV AL RELAȚIILOR DE AFACERI. CADRU**ISO/DIS 44004**

Collaborative business relationship management -- Guidelines for large organizations seeking collaboration with MSMEs
dea: 2021-06-25

ISO/TC 297**ISO/DIS 24162**

Test method of energy consumption of waste collection and transport vehicles
dea: 2021-06-30

ISO/PC 311**ISO/DIS 22458**

Consumer vulnerability – Requirements and guidelines for the design and delivery of inclusive service
dea: 2021-07-23



**PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE
INTERNAȚIONALE IEC SUPUSE ANCHETEI PUBLICE**

În perioada 2021.04.01 – 2021.04.29

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observații orice persoană fizică sau juridică, la adresa ancheta publica@asro.ro. Proiectele pot fi obținute de la ASRO precizând indicativul și titlul proiectului. Termenul limită până la care se pot trimite comentarii este cu 30 zile calendaristice înainte de termenul limită de vot (dea), indicat după fiecare proiect.

ISO/IEC 21823-4 ED1

Internet of Things (IoT) - Interoperability for Internet of Things Systems – Part 4: Syntactic interoperability
dea: 2021-07-16

cladded metallic wire for concentric lay stranded conductors
dea: 2021-07-23

IEC/TC 7 CONDUCTOARE PENTRU LINII ELECTRICE AERIENE**IEC 62641 ED1**

Conductors for overhead lines – Aluminium and aluminium alloy wires for concentric lay stranded conductors
dea: 2021-07-23

IEC/TC 17 APARATAJ ELECTRIC**IEC 62271-202 ED3**

High-voltage switchgear and controlgear - Part 202: High-voltage/ low-voltage prefabricated substation
dea: 2021-06-25

IEC 63248 ED1

Conductors for overhead lines - Coated or

IEC 62271-202 ED3

High-voltage switchgear and controlgear - Part 202: High-voltage/ low-voltage prefabricated substation
dea: 2021-06-25

IEC 62271-204 ED2

High-voltage switchgear and controlgear - Part 204: Rigid gas-insulated transmission lines for rated voltage above 52 kV
dea: 2021-06-25

IEC 62271-204 ED2

High-voltage switchgear and controlgear - Part 204: Rigid gas-insulated transmission lines for rated voltage above 52 kV
dea: 2021-06-25

IEC 62271-4 ED2

High-voltage switchgear and controlgear - Part 4: Handling procedures for gases and gas mixtures for interruption and insulation
dea: 2021-06-25

IEC 62271-4 ED2

High-voltage switchgear and controlgear - Part 4: Handling procedures for gases and gas mixtures for interruption and insulation
dea: 2021-06-25

IEC/TC 20 CABLURI ELECTRICE

IEC 60230/AMD1 ED2

Amendment 1 - Impulse tests on cables and their accessories
dea: 2021-07-23

IEC/TC 23 ACCESORII ELECTRICE

IEC 60898-3/AMD1 ED1

Amendment 1 - Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 3: Circuit-breakers for DC operation
dea: 2021-07-02

IEC/TC 29 ELECTROACUSTICĂ

IEC 60318-8 ED1

Electroacoustics – Simulators of human head and ear – Part 8: Acoustic coupler for high-frequency measurements of hearing aids and earphones coupled to the ear by means of ear inserts
dea: 2021-07-23

IEC 60645-6 ED2

Electroacoustics - Audiometric equipment - Part 6: Instruments for the measurement of otoacoustic emissions
dea: 2021-07-09

IEC/TC 32 SIGURANȚE ELECTRICE

IEC 60127-6 ED3

Miniature fuses - Part 6: Fuse-holders for miniature fuse-links
dea: 2021-07-23

IEC/TC 34 LĂMPI ȘI ECHIPAMENTUL ASOCIAT

IEC 63013/AMD1 ED1

Amendment 1 - LED packages - Long-term luminous and radiant flux maintenance projection
dea: 2021-06-11

IEC/TC 45 APARATURĂ NUCLEARĂ

IEC 62618 ED2

Radiation protection instrumentation - Spectroscopy-based alarming Personal Radiation Detectors (SPRD) for the detection of illicit trafficking of radioactive material
dea: 2021-06-25

IEC 62618 ED2

Radiation protection instrumentation - Spectroscopy-based alarming Personal Radiation Detectors (SPRD) for the detection of illicit trafficking of radioactive material
dea: 2021-06-25

IEC 62976/AMD1 ED1

Amendment 1 - Industrial non-destructive testing equipment - Electron linear accelerator
dea: 2021-07-16

IEC/TC 46 CABLURI, CONDUCTOARE, GHIDURI DE UNDĂ, CONECTOARE DE RADIOFRECVENȚĂ, COMPONENTE ȘI ACCESORII PASIVE PENTRU MICROUNDRE ȘI RADIOFRECVENȚĂ

IEC 61196-1-100 ED3

Coaxial communication cables - Part 1-100: Electrical test methods - General requirements
dea: 2021-07-23

IEC 61196-1-200 ED3

Coaxial communication cables - Part 1-200: Environmental test methods - General requirements
dea: 2021-07-23

IEC/TC 47 DISPOZITIVE CU SEMICONDUCTOARE

IEC 63373 ED1

Dynamic on-resistance test method guidelines for GaN HEMT based power conversion devices
dea: 2021-06-25

IEC/TC 49 DISPOZITIVE PIEZOELECTRICE ȘI DIELECTRICE PENTRU REGLAJUL ȘI SELECȚIA FRECVENȚEI

IEC 62604-1 ED2

Surface acoustic wave (SAW) and bulk acoustic wave (BAW) duplexers of assessed quality - Part 1: Generic specification
dea: 2021-07-09

IEC 62604-2 ED3

Surface acoustic wave (SAW) and bulk acoustic wave (BAW) duplexers of assessed quality - Part 2: Guidelines for the use
dea: 2021-07-09

IEC/TC 57 CONDUCEREA SISTEMELOR ELECTRICE DE PUTERE ȘI SCHIMBUL DE INFORMAȚII ASOCIIAT

IEC 61970-301/AMD1 ED7

Amendment 1 - Energy management system application program interface (EMS-API) - Part 301: Common information model (CIM) base
dea: 2021-07-23

IEC/TC 62 ECHIPAMENTE ELECTROMEDICALE

ISO 81060-3 ED1

Non-invasive sphygmomanometers - Part 3: Clinical investigation of continuous non-invasive automated measurement type
dea: 2021-07-09

IEC/TC 65 MĂSURĂ ȘI COMANDĂ ÎN PROCESELE INDUSTRIALE

IEC 62714-5 ED1

Engineering data exchange format for use in industrial automation systems engineering - Automation Markup Language - Part 5: Communication
dea: 2021-07-02

IEC/TC 68 MATERIALE MAGNETICE PRECUM ALIAJELE ȘI OȚELURILE

IEC 60404-17 ED1

Magnetic materials - Part 17: Methods of measurement of the magnetostriction characteristics of grain-oriented electrical steel strip and sheet by means of a single sheet tester and an optical sensor
dea: 2021-07-23

IEC/TC 80 SISTEME ȘI ECHIPAMENTE DE RADIOCOMUNICAȚII ȘI NAVIGAȚIE MARITIMĂ

IEC 62288 ED3

Maritime navigation and radiocommunication equipment and systems - Presentation of navigation-related information on shipborne navigational displays - General requirements, methods of testing and required test results
dea: 2021-07-16

IEC/TC 82 SISTEME DE CONVERSIE FOTOVOLTAICĂ A ENERGIEI SOLARE

IEC 62759-1 ED2

Photovoltaic (PV) modules - Transportation testing - Part 1: Transportation and shipping of module package units
dea: 2021-07-16

IEC/TC 96 TRANSFORMATOARE, BOBINE DE REACTANȚĂ, BLOCURI DE ALIMENTARE ȘI COMBINAȚII ALE ACESTORA

IEC 61558-2-14 ED2

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-14: Particular requirements and tests for variable transformers and power supply units incorporating variable transformers for general applications
dea: 2021-07-23

IEC 61558-2-15 ED3

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-15: Particular requirements and tests for isolating transformers for medical IT systems for the supply of medical locations
dea: 2021-07-23

IEC/TC 112 EVALUAREA ȘI CALIFICAREA MATERIALELOR

**IZOLATOARE ELECTRICE ȘI A
SISTEMELOR**

IEC 60544-5 ED3

Electrical insulating materials - Determination of the effects of ionizing radiation - Part 5: Procedures for assessment of ageing in service
dea: 2021-06-25

**IEC/TC 116 SECURITATEA UNELTELOR
ELECTRICE CU MOTOR
PORTABILE**

IEC 62841-4-2/AMD1 ED1

Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-2: Particular requirements for hedge trimmers
dea: 2021-07-23

IEC 63370 ED1

Lithium-Ion Batteries and Charging Systems - Safety
dea: 2021-06-11