



STANDARDIZAREA NAȚIONALĂ

STANDARDE APROBATE

Standardele române de mai jos au fost aprobate în luna **ianie 2022**. 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.

01.040.17 Metrologie și măsurare.

Fenomene fizice (Vocabulare)

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Aparate volumetrice cu piston. Partea 1: Terminologie, cerințe generale și recomandări pentru utilizatori
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03.100.01 Organizarea și managementul întreprinderii în general

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Managementul proiectelor, programelor și portofoliilor. Recomandări pentru managementul portofoliilor
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01.040.83 Industria cauciucului și a materialelor plastice. (Vocabulare)

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SR EN ISO 50005:2022

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Sisteme de management al energiei. Ghid de implementare în etape

01.110 Documentație tehnică de produs

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 Cerințe pentru evaluarea procedurilor de
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**13.060.01 Calitatea apei în general
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 de analiză. Partea 1: Funcția liniară de etalonare
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**13.080.20 Proprietăți fizice ale solurilor
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**13.180 Ergonomie
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**13.320 Sisteme de alarmă și de alertare
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CT 119
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CT 166

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Rezistoare de laborator. Partea 1: Rezistoare de
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**17.220.99 Alte standarde referitoare la
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23.020.20 Rezervoare și recipiente montate pe vehicule**CT 270****SR EN 13094+A1:2022 A**

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23.020.35 Butelii de gaz**CT 231****SR EN 12245:2022 A**

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23.040.07 Conducte și părțile lor pentru termoficare**CT 302****SR EN 15632-1:2022 A**

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CT 302**SR EN 15632-2:2022 A**

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CT 302**SR EN 15632-4:2022 A**

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23.140 Compresoare și mașini pneumatice**CT 357****SR EN 12583:2022 A**

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25.030 Fabricația aditivă**CT 390****SR EN ISO/ASTM 52925:2022 A**

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27.160 Energie solară

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SR EN IEC 61215-1-2:2021/A1:2022 A

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29.035.01 Materiale electroizolante în general

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Materiale electroizolante utilizate în condiții de mediu ambiant severe. Metode de încercare pentru evaluarea rezistenței la formarea de căi conductoare și la eroziune
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Proprietăți dielectrice și de rezistivitate ale materialelor electroizolante solide. Partea 2-2:

Permitivitate relativă și factor de pierderi.
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29.060.01 Conductoare și cabluri electrice în general

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29.080.01 Izolații electrice în general

CT 166

SR EN IEC 61557-3:2022 A

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CT 166

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Conductoare pentru linii electrice aeriene. Sârmă metalică acoperită sau învelită pentru conductoare înfuniate în straturi concentrice
Inlocuieste SR EN 50189:2002

CT 165

SR EN IEC 63248:2022/A11:2022 **A**

Conductoare pentru linii electrice aeriene. Sârmă metalică acoperită sau învelită pentru conductoare înfuniate în straturi concentrice

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CT 165

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Conductoare pentru linii electrice aeriene. Sârme din aluminiu și din aliaj de aluminiu pentru conductoare înfuniate în straturi concentrice

29.260.20 Aparat și echipamente electrice pentru medii explozive

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31.040.01 Rezistoare electrice în general

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CT 166

SR EN IEC 60477-1:2022 **A**

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33.160.60 Sisteme multimedia și echipamente pentru teleconferințe

CT 375

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CT 375

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33.160.99 Alte echipamente audio și video

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CT 375

SR EN IEC 63033-2:2022 **A**

Sisteme și echipamente multimedia pentru vehicule. Sistem de vizualizare panoramic. Partea 2: Metode de înregistrare ale sistemului de vizualizare panoramic
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35.240.60 Aplicații IT în transport**CT 345****SR EN ISO 12855:2022 A**

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Sisteme și echipamente multimedia pentru vehicule. Sistem de vizualizare panoramic.
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CT 375**SR EN IEC 63033-4:2022 A**

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43.040.15 Informatica pentru autovehicule.**Sisteme informatice de bord****CT 375****SR EN IEC 63033-3:2022 A**

Sisteme și echipamente multimedia pentru vehicule. Sistem de vizualizare panoramic.

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CT 375**SR EN IEC 63033-4:2022 A**

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CT 375**SR EN IEC 63033-1:2022 A**

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CT 375**SR EN IEC 63033-2:2022 A**

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43.120 Vehicule rutiere electrice**CT 78****SR EN 17404:2022 A**

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45.040 Materiale și componente pentru**căi ferate****CT 146****SR EN 15427-2-1:2022 A**

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45.060.01 Material rulant pentru căi ferate în general

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45.060.20 Material rulant tractat

CT 146

SR EN 16334-1+A1:2022

A

Aplicații feroviare. Semnal de alarmă pentru călători. Partea 1: Cerințe de sistem pentru liniile principale

Inlocuieste SR EN 16334:2015

47.020.99 Alte standarde referitoare la structuri maritime

CT 157

SR EN ISO 24656:2022

A

Protecție catodică a structurilor eoliene offshore

49.025.05 Feroaliaje în general

CT 72

SR EN 4259:2022

A

Serie aerospațială. Materiale metalice. Definițiile termenilor generali

49.025.10 Oțeluri

CT 72

SR EN 4890:2022

A

Serie aerospațială. Oțel X4CrNiMo16-5-1 - elaborat în aer. Călit și revenit. Table și plăci - 0,3 mm = a = 50 mm - 900 MPa = Rm = 1 050 MPa

49.025.15 Aliaje neferoase în general

CT 72

SR EN 4259:2022

A

Serie aerospațială. Materiale metalice. Definițiile termenilor generali

49.025.20 Aluminii

CT 72

SR EN 4900:2022

A

Serie aerospațială. Aliaj de aluminiu 5086 - H111. Bare extrudate - 10 mm = D = 300 mm

49.025.99 Alte materiale

CT 72

SR EN 4385:2022

A

Serie aerospațială. Materiale nemetalice. Organizarea generală a standardizării. Conexiuni între tipuri de standarde

49.035 Componente pentru construcția aeronavelor

CT 72

SR EN 4841-1:2022

A

Serie aerospațială. Amortizor de vibrații cu bușe. Partea 1: Specificație tehnică

CT 72

SR EN 4841-2:2022

A

Serie aerospațială. Amortizor de vibrații cu bușe. Partea 2: Prezentare tehnică

49.060 Echipament electric

CT 303

SR EN 3155-075:2022

A

Serie aerospațială. Contacte electrice utilizate în elemente de conexiune. Partea 075: Contacte electrice, în cuadratură, mărime 08, tip mamă, tip E, cu sertizare, clasă R. Standard de produs
Inlocuieste SR EN 3155-075:2009

CT 303

SR EN 6059-401:2022

A

Serie aerospațială. Cabluri electrice, instalații. Manșoane de protecție. Metode de încercare. Partea 401: Domeniu de extindere

CT 303

SR EN 3373-001:2022

A

Serie aerospațială. Cose și prelungitoare electroizolate pentru sertizare pe conductoarele electrice. Partea 001: Specificație tehnică
Inlocuieste SR EN 3373-001:2008

CT 303

SR EN 3660-065:2022

A

Serie aerospațială. Accesorii pentru partea anterioară a conectoarelor circulare și rectangulare electrice și optice. Partea 065: Racord tip K, îndoit la 90 grade, ecranat, etanș, pentru manșon termocontractabil, cu autoblocare. Standard de produs

Inlocuieste SR EN 3660-065:2016

CT 303**SR EN 3660-063:2022****A**

Serie aerospațială. Accesorii pentru partea de ieșire a conectorilor circulare și rectangulare electrice și optice. Partea 063: Racord tip K, drept, ecranat, etanș, pentru manșon termocontractabil, cu autoblocare. Standard de produs

Inlocuieste SR EN 3660-063:2016

CT 303**SR EN 3660-064:2022****A**

Serie aerospațială. Accesorii pentru partea anterioară a conectorilor circulare și rectangulare electrice și optice. Partea 064: Racord tip K, drept, ecranat, etanș, pentru manșon termocontractabil, cu autoblocare. Standard de produs

Inlocuieste SR EN 3660-064:2016

CT 303**SR EN 3660-062:2022****A**

Serie aerospațială. Accesorii pentru partea anterioară a conectorilor circulare și rectangulare electrice și optice. Partea 062: Racord tip K, îndoit la 90 grade, ecranat, etanș, pentru manșon termocontractabil, cu autoblocare. Standard de produs

Inlocuieste SR EN 3660-062:2016

CT 303**SR EN 3838:2022****A**

Serie aerospațială. Cerințe și metode de încercare a marcajelor aplicate de utilizator pentru cablurile electrice aeronautice

Inlocuieste SR EN 3838:2010

49.090 Echipamente și instrumente de bord**CT 303****SR EN 3745-412:2022****A**

Serie aerospațială. Fibre și cabluri optice pentru utilizare aeronautică. Metode de încercare.

Partea 412: Rezistența la umiditate

Inlocuieste SR EN 3745-412:2006

53.060 Cărucioare de manipulare**CT 85****SR EN 1757:2022****A**

Securitatea cărucioarelor de manipulare.

Cărucioare de manipulare manuale, cu platformă

Inlocuieste SR EN 1757-3:2004

55.180.10 Containere pentru uz general**CT 270****SR EN ISO 6346:2022****A**

Containere de marfă. Codificare, identificare și marcare

Inlocuieste SR EN ISO 6346:2002

65.040.10 Clădiri, instalații și echipamente pentru creșterea animalelor**CT 318****SR EN 17088:2022****A**

Sisteme de ventilație cu perdele laterale.

Securitate

65.060.80 Echipamente forestiere**CT 77****SR EN ISO 11850:2012/A2:2022****A**

Mașini forestiere. Cerințe generale de securitate. Amendament 2: Acces la postul operatorului și la zonele de mentenanță

CT 77**SR EN ISO 11681-1:2022****A**

Mașini forestiere. Cerințe de securitate și încercări pentru ferăstraie portabile cu lanț. Partea 1: Ferăstraie cu lanț pentru lucrări forestiere

Inlocuieste SR EN ISO 11681-1:2012

CT 77**SR EN ISO 11681-2:2022****A**

Mașini forestiere. Cerințe de securitate și încercări pentru ferăstraie portabile cu lanț. Partea 2: Ferăstraie cu lanț pentru întreținerea arborilor

Inlocuieste SR EN ISO 11681-2:2012

67.050 Metode generale de analiză pentru produse alimentare**CT 95****SR CEN/TS 15568:2022****A**

Produse alimentare. Metode de analiză pentru detectarea organismelor modificate genetic și a produselor derivate. Strategii de eșantionare

**67.250 Materiale și produse în contact
cu alimentele**

CT 157

SR EN ISO 4531:2022

A

Emailuri vitrificate. Eliberarea de ioni metalici din articolele emailate în contact cu alimentele.

Metodă de încercare și limite

Inlocuieste SR EN ISO 4531:2019

**71.040.20 Sticlărie de laborator și aparate
afereente**

CT 119

SR EN ISO 8655-8:2022

A

Aparate volumetrice cu piston. Partea 8:

Procedură de măsurare fotometrică de referință pentru determinarea volumului

CT 119

SR EN ISO 8655-9:2022

A

Aparate volumetrice cu piston. Partea 9: Seringi de laborator de precizie cu acționare manuală

**71.100.80 Produse chimice pentru
purificarea apei**

CT 52

SR EN 12125:2022

A

Produse chimice utilizate pentru tratarea apei destinate consumului uman. Tiosulfat de sodiu

Inlocuieste SR EN 12125:2013

CT 52

SR EN 12174:2022

A

Produse chimice utilizate pentru tratarea apei destinate consumului uman. Hexafluorosilicat de sodiu

Inlocuieste SR EN 12174:2013

75.060 Gaz natural

CT 357

SR EN ISO 20765-5:2022

A

Gaz natural. Calculul proprietăților termodinamice. Partea 5: Calculul viscozității, coeficientului Joule-Thomson și exponentului izentropic

**75.100 Lubrifianți, uleiuri industriale și
produse auxiliare**

CT 146

SR EN 15427-2-1:2022

A

Aplicații feroviare. Gestionarea frecării roată/șină. Partea 2-1: Proprietăți și caracteristici. Lubrifierea buzei roții.

Inlocuieste SR EN 16028:2012

CT 169

SR EN ISO 13503-3:2022

A

Industria petrolului și gazelor naturale. Fluide de completare și materiale. Partea 3: Încercări ale saramurilor cu densitate mare

Inlocuieste SR EN ISO 13503-3:2006

75.160.10 Combustibili solizi

CT 360

SR EN ISO 21646:2022

A

Combustibili solizi prin recuperare. Preparare eşantioane

Inlocuieste SR EN 15413:2012

**75.180.10 Mașini și utilaje pentru
exploatare și extracție**

CT 169

SR EN ISO 24200:2022

A

Industria petrolului, petrochimiei și gazelor naturale. Materiale în vrac pentru proiecte off-shore. Suport pentru conducte

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

CT 357

SR EN 12583:2022

A

Infrastructura pentru gaze. Stații de comprimare. Cerințe funcționale

Inlocuieste SR EN 12583:2014

**77.040.10 Încercări mecanice ale metalelor
CT 42**

SR EN ISO 16808:2022

A

Materiale metalice. Table și benzi. Determinarea curbei tensiune-deformație biaxială prin intermediul încercării de umflare hidraulică cu sisteme de măsurare optice

Inlocuieste SR EN ISO 16808:2014

77.060 Coroziunea metalelor

CT 157

SR EN ISO 24656:2022

A

Protecție catodică a structurilor eoliene offshore

CT 157

SR EN ISO 12696:2022

A

Protecția catodică a oțelului în beton

Inlocuieste SR EN ISO 12696:2017

CT 157

SR EN 15112:2022

A

Protecție catodică exterioară a tuburilor pentru puțuri

Inlocuieste SR EN 15112:2007

77.140.15 Oțeluri pentru armarea betonului

CT 157

SR EN ISO 12696:2022

A

Protecția catodică a oțelului în beton

Inlocuieste SR EN ISO 12696:2017

77.180 Echipamente pentru industria metalurgică

CT 47

SR EN 15094:2022

A

Securitatea mașinilor. Cerințe de securitate pentru laminoarele la rece pentru produse plate

Inlocuieste SR EN 15094:2009

83.080.20 Materiale termoplastice

CT 108

SR EN ISO 18064:2022

A

Elastomeri termoplastici. Nomenclatură și termeni abreviați

Inlocuieste SR EN ISO 18064:2015

83.140.30 Țevi de material plastic și fittinguri pentru utilizări fără fluide

CT 108

SR EN 14541-1:2022

A

Țevi și fittinguri de materiale plastice. Utilizarea materialelor termoplastice reciclate. Partea 1: Vocabular

91.060.10 Ziduri. Pereți despărțitori. Fațade

CT 318

SR EN 13830+A1+AC:2022

A

Pereți cortină. Standard de produs

Inlocuieste SR EN 13830:2015

CT 318

SR EN 13830+A1+AC:2022

A

Pereți cortină. Standard de produs

Inlocuieste SR EN 13830:2015

91.120.25 Protecția împotriva seismelor și vibrațiilor

CT 85

SR EN 81-77:2022

A

Reguli de securitate pentru execuția și montarea ascensoarelor. Aplicații particulare pentru ascensoarele de persoane și ascensoarele de persoane și materiale. Partea 77: Ascensoare supuse acțiunii seismice

Inlocuieste SR EN 81-77:2019

91.140.30 Ventilație și climatizare

CT 318

SR EN 17088:2022

A

Sisteme de ventilație cu perdele laterale.

Securitate

91.140.50 Sisteme de alimentare cu energie electrică

CT 136

SR HD 60364-5-53:2022

A

Instalații electrice de joasă tensiune. Partea 5-53: Alegerea și montarea echipamentelor electrice.

Aparataj de comutație și de comandă

Inlocuieste SR HD 60364-5-53:2015

91.140.90 Ascensoare. Scări rulante

CT 85

SR EN 81-71:2022

A

Reguli de securitate pentru execuția și montarea ascensoarelor. Aplicații particulare pentru ascensoarele de persoane și ascensoarele de persoane și materiale. Partea 71: Ascensoare rezistente la acte de vandalism

Inlocuieste SR EN 81-71+AC:2019

CT 85

SR EN 81-77:2022

A

Reguli de securitate pentru execuția și montarea ascensoarelor. Aplicații particulare pentru ascensoarele de persoane și ascensoarele de persoane și materiale. Partea 77: Ascensoare supuse acțiunii seismice

Inlocuieste SR EN 81-77:2019

CT 85

SR EN 81-21:2022

A

Reguli de securitate pentru execuția și montarea ascensoarelor. Ascensoare de persoane și de materiale. Partea 21: Ascensoare noi de persoane și de materiale în clădiri existente

Inlocuieste SR EN 81-21:2018

CT 85

SR EN 81-58:2022

A

Reguli de securitate pentru execuția și montarea ascensoarelor. Examinare și încercări. Partea 58: Încercarea de rezistență la foc a ușilor de palier

Inlocuieste SR EN 81-58:2018

91.160.01 Iluminatul în general

CT 240

SR CEN/TS 17165:2022

A

Lumină și iluminat. Procesul de proiectare a unui sistem de iluminat

CT 240

SR ISO/CIE TS 22012:2022

FC

Lumină și iluminat. Determinarea factorului de mentenanță. Mod de lucru

93.020 Lucrări de terasament. Excavații. Fundații. Lucrări subterane

CT 361

SR EN ISO 17892-1:2015/A1:2022

A

Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 1: Determinarea umidității. Amendament 1

97.040.10 Mobilă de bucătărie

CT 118

SR EN 14749+A1:2022

A

Mobilier. Piese de mobilier pentru depozitare de uz casnic și de bucătărie și blaturi de lucru de

bucătărie. Cerințe de securitate și metode de încercare

Inlocuieste SR EN 14749:2016

97.040.60 Articole de bucătărie, tacâmuri și cuțite

CT 157

SR EN ISO 4531:2022

A

Emailuri vitrificate. Eliberarea de ioni metalici din articolele emailate în contact cu alimentele.

Metodă de încercare și limite

Inlocuieste SR EN ISO 4531:2019

97.080 Dispozitive de curățat

CT 137

SR EN 17348:2022

A

Cerințe pentru concepția și încercarea aspiratoarelor destinate utilizării în atmosfere potențial explozive

97.120 Comenzi automate de uz casnic

CT 238

SR EN IEC 60730-2-14:2019/A1:2022

A

Dispozitive electrice de comandă automate. Partea 2-14: Prescripții particulare pentru dispozitive de acționare electrice

97.140 Mobilă

CT 118

SR EN 14749+A1:2022

A

Mobilier. Piese de mobilier pentru depozitare de uz casnic și de bucătărie și blaturi de lucru de bucătărie. Cerințe de securitate și metode de încercare

Inlocuieste SR EN 14749:2016

97.190 Echipamente pentru copii

CT 125

SR EN 13209-1:2022

A

Articole de puericultură. Port-bebe. Cerințe de securitate și metode de încercare. Partea 1: Port-bebe cu cadru, pentru spate

Inlocuieste SR EN 13209-1:2021

97.200.30 Echipament de camping și terenuri de camping

CT 66**SR EN ISO 23537-1:2022****A**

Cerințe pentru saci de dormit. Partea 1: Cerințe termice, de masă și dimensionale pentru sacii de dormit pentru temperaturi limită de - 20 °C și mai mari

Inlocuiește SR EN ISO 23537-1:2017

97.200.99 Alte echipamente pentru distracții**CT 373****SR EN 17531:2022****A**

Raportare în sprijinul supravegherii serviciilor de jocuri de noroc online de către autoritățile de

reglementare a jocurilor de noroc din statele membre

97.220.20 Echipamente pentru sporturi de iarnă**CT 227****SR EN ISO 18527-1:2022****A**

Protectori pentru ochi și față pentru uz sportiv. Partea 1: Cerințe pentru ochelari de schi alpin și snowboard

Inlocuiește SR EN 174:2004

STANDARDE ANULATE

Standardele române de mai jos au fost anulate în luna **ianie 2022**, fie prin înlocuire, fie printr-o decizie de anulare.

Pentru standardele anulate prin înlocuire sunt precizate și standardele înlocuitoare.

03.100.01 Organizarea și managementul întreprinderii în general**SR ISO 21504:2016****T**

Managementul proiectelor, programelor și portofoliilor. Linii directoare pentru managementul portofoliilor

Inlocuit prin SR ISO 21504:2022

Clasificarea condițiilor de mediu. Partea 3: Clasificarea grupelor de agenți de mediu și a gradelor de severitate ale acestora. Secțiunea 3: Utilizarea staționară (la post fix) în spații protejate la intemperii

Inlocuit prin SR EN IEC 60721-3-3:2019

13.020.01 Mediu și protecția mediului în general**SR HD 60364-8-1:2015****T**

Instalații electrice de joasă tensiune. Partea 8-1: Eficiență energetică

Inlocuit prin SR HD 60364-8-1:2019

SR EN 60721-3-4:1996**T**

Clasificarea condițiilor de mediu. Partea 3: Clasificarea grupelor de agenți de mediu și a gradelor de severitate ale acestora. Secțiunea 4: Utilizarea staționară în spații neprotejate împotriva intemperiiilor

Inlocuit prin SR EN IEC 60721-3-4:2019

SR EN 60721-3-3:1997/A2:2004**FCT**

Clasificarea condițiilor de mediu. Partea 3: Clasificarea grupelor de agenți de mediu și a gradelor de severitate ale acestora. Secțiunea 3: Utilizarea staționară (la post fix) în spații protejate la intemperii

Inlocuit prin SR EN IEC 60721-3-3:2019

13.060.01 Calitatea apei în general**SR ISO 8466-1:1999****T**

Calitatea apei. Etalonarea și evaluarea metodelor de analiză și estimarea caracteristicilor de performanță. Partea 1: Evaluarea statistică a funcției liniare de etalonare

Inlocuit prin SR ISO 8466-1:2022

SR EN 60721-3-4:1996/A1:2004**FCT**

Clasificarea condițiilor de mediu. Partea 3: Clasificarea grupelor de agenți de mediu și a gradelor de severitate ale acestora. Secțiunea 4: Utilizarea staționară în spații neprotejate împotriva intemperiiilor

Inlocuit prin SR EN IEC 60721-3-4:2019

19.040 Încercări de mediu**SR EN 60721-3-3:1997****T**

SR EN 60068-2-82:2008 **NCT**
Încercări de mediu. Partea 2-82: Încercări.
Încercare Tx: Metode de încercare a "mustăților"
pentru componente electrice și electronice
Inlocuit prin SR EN IEC 60068-2-82:2019

27.015 Eficiență energetică. Economii de energie în general

SR HD 60364-8-1:2015 **T**
Instalații electrice de joasă tensiune. Partea 8-1:
Eficiență energetică
Inlocuit prin SR HD 60364-8-1:2019

27.120.20 Centrale nucleare. Securitate

SR EN 60709:2011 **A**
Centrale nucleare de putere. Aparatură și control-
comandă importante pentru securitate. Separare
Inlocuit prin SR EN IEC 60709:2020

SR EN 61500:2012 **A**
Centrale nucleare de putere. Aparatură și
comandă importante pentru securitate.
Comunicare de date în sisteme care realizează
funcții de categoria A
Inlocuit prin SR EN IEC 61500:2020

29.035.20 Materiale electroizolante din materiale plastice și cauciuc

SR EN 60674-3-2:2003 **FC**
Specificație pentru folii din material plastic pentru
utilizări electrice. Partea 3: Specificații pentru
materiale individuale. Fila 2: Prescripții pentru folii
de polietilentereftalat (PET) orientat biaxial
echilibrat, utilizate pentru izolația electrică
Inlocuit prin SR EN IEC 60674-3-2:2019

29.100.10 Componente magnetice

SR EN 60424-4:2016 **A**
Miezuri de ferită. Ghid referitor la limitele
neregularităților suprafeței. Partea 4: Miezuri
toroidale
Inlocuit prin SR EN IEC 63093-12:2019

29.130.20 Aparare de conectare și comandă de joasă tensiune

SR EN 62026-1:2008 **T**
Aparatură de joasă tensiune. Interfețe aparate de
comandă-aparate (CDI). Partea 1: Reguli
generale
Inlocuit prin SR EN IEC 62026-1:2019

29.180 Transformatoare. Bobine de inductanță

SR EN 61558-1:2006 **NCT**
Securitatea transformatoarelor, blocurilor de
alimentare, bobinelor de reactanță și produselor
similare. Partea 1: Prescripții generale și încercări
Inlocuit prin SR EN IEC 61558-1:2019

SR EN 61558-1:2006/A1:2009 **NCT**

Securitatea transformatoarelor, blocurilor de
alimentare, bobinelor de reactanță și produselor
similare. Partea 1: Prescripții generale și încercări
Inlocuit prin SR EN IEC 61558-1:2019

31.190 Ansambluri de componente electronice

SR EN 60068-2-82:2008 **NCT**
Încercări de mediu. Partea 2-82: Încercări.
Încercare Tx: Metode de încercare a "mustăților"
pentru componente electrice și electronice
Inlocuit prin SR EN IEC 60068-2-82:2019

31.220.01 Componente electromecanice în general

SR EN 60512-11-1:2002 **FC**
Componente electromecanice pentru
echipamente electronice. Proceduri pentru
încercări de bază și metode de măsurare. Partea
11: Încercări climatice. Secțiunea 1: Încercarea
11a - Secvență climatică
Inlocuit prin SR EN IEC 60512-11-1:2019

33.100.10 Emisie

SR EN 55016-1-1:2010 **A**
Specificații referitoare la metode și aparate de
măsurat perturbațiile radio și imunitatea la
perturbații. Partea 1-1: Aparare de măsurat
perturbațiile radio și imunitatea la perturbații.
Aparate de măsurat
Inlocuit prin SR EN IEC 55016-1-1:2019

SR EN 55016-1-1:2010/A1:2011 **A**

Specificații referitoare la metode și aparate de
măsurat perturbațiile radio și imunitatea la
perturbații. Partea 1-1: Aparare de măsurat
perturbațiile radio și imunitatea la perturbații.
Aparate de măsurat
Inlocuit prin SR EN IEC 55016-1-1:2019

SR EN 55016-1-1:2010/A2:2015 **A**

Specificații referitoare la metode și aparate de
măsurat perturbațiile radio și imunitatea la
perturbații. Partea 1-1: Aparare de măsurat
perturbațiile radio și imunitatea la perturbații.
Aparate de măsurat

Inlocuit prin SR EN IEC 55016-1-1:2019

33.100.20 Imunitate

SR EN 61000-4-18:2007 NCT
Compatibilitate electromagnetică (CEM). Partea 4-18: Tehnici de încercare și măsurare. Încercări de imunitate la unde oscilante amortizate
Inlocuit prin SR EN IEC 61000-4-18+AC:2019

SR EN 61000-4-18:2007/A1:2011 NCT
Compatibilitate electromagnetică (CEM). Partea 4-18: Tehnici de încercare și măsurare. Încercări de imunitate la unde oscilante amortizate
Inlocuit prin SR EN IEC 61000-4-18+AC:2019

SR EN 61000-4-18:2007/AC:2014 ER
Compatibilitate electromagnetică (CEM). Partea 4-18: Tehnici de încercare și măsurare. Încercări de imunitate la unde oscilante amortizate
Inlocuit prin SR EN 61000-4-18:2007

33.180.01 Sisteme cu fibră optică în general

SR EN 61280-4-1:2010 A

Proceduri de încercare pentru subsisteme de comunicații cu fibre optice. Partea 4-1: Instalație de cabluri. Măsurarea atenuării multimod
Inlocuit prin SR EN IEC 61280-4-1:2019

33.180.10 Fibre optice și cabluri

SR EN 60793-2-10:2018 A
Fibre optice. Partea 2-10: Specificații de produs. Specificație intermediară pentru fibre multimod din categoria A1
Inlocuit prin SR EN IEC 60793-2-10:2019

91.140.50 Sisteme de alimentare cu energie electrică

SR HD 60364-8-1:2015 T
Instalații electrice de joasă tensiune. Partea 8-1: Eficiență energetică
Inlocuit prin SR HD 60364-8-1:2019

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

În această rubrică sunt înscrise standardele române adoptate inițial prin filă de confirmare sau notă de confirmare pentru care s-a publicat versiunea română în luna anterioară.

Data de aprobare menționată sub titlul standardului este data la care a fost adoptat standardul european prin filă de confirmare sau notă de confirmare.

03.220.20 Transport rutier
SR EN ISO 13143-2:2017 NCT
Colectarea electronică a taxei. Evaluarea echipamentelor la bord și rutiere, pentru conformitatea cu ISO 12813. Partea 2: Serie de teste abstracte
Data aprobării: 31.05.2017
Data traducerii: 30.06.2022

SR EN ISO 17264:2010/A1:2019 NCT
Sisteme inteligente de transport. Identificare automată a vehiculelor și a echipamentelor lor. Interfețe. Amendament 1
Data aprobării: 30.08.2019
Data traducerii: 30.06.2022

11.040.01 Echipament medical în general
SR EN 45502-1:2016 NCT

Dispozitive medicale implantabile active. Partea 1: Cerințe generale de securitate, marcare și informații furnizate de producător

Data aprobării: 31.03.2016

Data traducerii: 30.06.2022

11.040.50 Echipament radiologic
SR EN 61674:2013 NCT
Aparate electromedicale. Dozimetre cu camere de ionizare și/sau detectoare cu semiconductoare utilizate în imagistica de diagnosticare cu radiații X
Data aprobării: 30.09.2013
Data traducerii: 30.06.2022

13.300 Protecția contra produselor periculoase
SR EN 14596:2019 NCT

Cisterne pentru transportul mărfurilor periculoase.
Echipamente de serviciu pentru cisterne. Supapă de suprapresiune de urgență

Data aprobării: 31.01.2019

Data traducerii: 30.06.2022

17.140.01 Măsurări acustice și atenuarea zgomotului în general

SR EN ISO 3743-2:2020 NCT

Acustică. Determinarea nivelurilor de putere acustică emise de sursele de zgomot utilizând presiunea acustică. Metode tehnice în câmp reverberant aplicabile surselor mici transportabile. Partea 2: Metode în camere de încercare cu caracteristici de reverberație speciale

Data aprobării: 30.09.2020

Data traducerii: 30.06.2022

17.140.20 Zgomot emis de mașini și echipamente

SR EN 60704-2-5:2006/A1:2015 NCT

Aparate electrice de uz casnic și scopuri similar. Cod de încercare pentru determinarea zgomotului transmis prin aer. Partea 2-5: Reguli specifice pentru aparatele electrice de încălzire a încăperilor, cu acumulare

Data aprobării: 31.08.2015

Data traducerii: 30.06.2022

SR EN 60704-2-14:2013/A1:2019 NCT

Aparate electrice de uz casnic și scopuri similar. Cod de încercare pentru determinarea zgomotului transmis prin aer. Partea 2-14: Prescripții particulare pentru frigider, dulapuri frigorifice pentru stocarea alimentelor congelate și congelatoare

Data aprobării: 29.11.2019

Data traducerii: 30.06.2022

SR EN 60704-2-4:2013/A11:2020 NCT

Aparate electrice de uz casnic și scopuri similare. Cod de încercare pentru determinarea zgomotului transmis prin aer. Partea 2-4: Prescripții particulare pentru mașini de spălat rufe și storcătoare prin centrifugare

Data aprobării: 31.07.2020

Data traducerii: 30.06.2022

19.080 Încercări electrice și electronice

SR EN IEC 61010-2-040:2021 NCT

Reguli de securitate pentru echipamentul electric de măsurare, de control și de laborator. Partea 2-040: Cerințe particulare pentru sterilizatoare și aparate de dezinfecție-spălare utilizate pentru tratarea materialelor de uz medical

Data aprobării: 23.12.2021

Data traducerii: 30.06.2022

21.060.10 Șuruburi, prezoane, știfturi filetate

SR EN ISO 898-5:2012 NCT

Caracteristici mecanice ale elementelor de asamblare executate din oțel carbon și oțel aliat. Partea 5: Știfturi filetate și elemente de asamblare filetate similare de clase de duritate specificate. Filete cu pas grosier și filete cu pas fin

Data aprobării: 29.11.2012

Data traducerii: 30.06.2022

23.020.20 Rezervoare și recipiente montate pe vehicule

SR EN 14596:2019 NCT

Cisterne pentru transportul mărfurilor periculoase. Echipamente de serviciu pentru cisterne. Supapă de suprapresiune de urgență

Data aprobării: 31.01.2019

Data traducerii: 30.06.2022

23.040.10 Țevi și tuburi din fontă și oțel

SR EN 10216-2+A1:2020 NCT

Țevi de oțel fără sudură utilizate la presiune. Condiții tehnice de livrare. Partea 2: Țevi de oțel nealiat și aliat, cu caracteristici specificate la temperatură ridicată

Data aprobării: 31.03.2020

Data traducerii: 30.06.2022

SR EN 10217-7:2021 NCT

Țevi de oțel sudate utilizate la presiune. Condiții tehnice de livrare. Partea 7: Țevi de oțel inoxidabil

Data aprobării: 31.05.2021

Data traducerii: 30.06.2022

23.060.40 Reglatoare de presiune

SR EN 14596:2019 NCT

Cisterne pentru transportul mărfurilor periculoase. Echipamente de serviciu pentru cisterne. Supapă de suprapresiune de urgență

Data aprobării: 31.01.2019

Data traducerii: 30.06.2022

25.040.40 Măsurarea și controlul proceselor industriale

SR EN 61158-5-24:2015 NCT

Rețele de comunicație industriale. Specificații ale magistralei de câmp. Partea 5-24: Definiere a

serviciilor stratului Aplicație. Elemente de tip 24
Data aprobării: 29.05.2015
Data traducerii: 30.06.2022

27.060.20 Arzătoare cu gaz
SR EN 437:2021 **NCT**
Gaze de încercare. Presiuni de încercare.
Categoriile de aparate
Data aprobării: 30.06.2021
Data traducerii: 30.06.2022

29.120.99 Alte accesorii electrice
SR EN 60831-1:2014 **NCT**
Condensatoare șunt de putere cu
autoregenerare, destinate a fi instalate în rețelele
cu tensiunea alternativă normată de până la 1000
V inclusiv. Partea 1: Generalități. Caracteristici
funcționale, încercări și valori normate. Reguli de
securitate. Ghid pentru instalare și exploatare
Data aprobării: 28.11.2014
Data traducerii: 30.06.2022

**29.180 Transformatoare. Bobine de
inductanță**
SR EN 50708-1-1:2020 **NCT**
Transformatoare de putere. Cerințe europene
suplimentare. Partea 1-1: Partea comună. Cerințe
generale
Data aprobării: 30.06.2020
Data traducerii: 30.06.2022

SR EN 50708-2-1:2020 **NCT**
Transformatoare de putere. Cerințe europene
suplimentare. Partea 2-1: Transformatoare de
putere medie. Cerințe generale
Data aprobării: 30.06.2020
Data traducerii: 30.06.2022

SR EN 50708-1-1:2020/AC:2021 **NCT**
Transformatoare de putere. Cerințe europene
suplimentare. Partea 1-1: Partea comună. Cerințe
generale
Data aprobării: 29.01.2021
Data traducerii: 30.06.2022

31.060.70 Condensatoare de putere
SR EN 60831-1:2014 **NCT**
Condensatoare șunt de putere cu
autoregenerare, destinate a fi instalate în rețelele
cu tensiunea alternativă normată de până la 1000
V inclusiv. Partea 1: Generalități. Caracteristici
funcționale, încercări și valori normate. Reguli de
securitate. Ghid pentru instalare și exploatare
Data aprobării: 28.11.2014

Data traducerii: 30.06.2022

35.100.70 Strat aplicare
SR EN 61158-5-24:2015 **NCT**
Rețele de comunicație industriale. Specificații ale
magistralei de câmp. Partea 5-24: Definiere a
serviciilor stratului Aplicație. Elemente de tip 24
Data aprobării: 29.05.2015
Data traducerii: 30.06.2022

35.110 Rețele
SR EN 61158-5-24:2015 **NCT**
Rețele de comunicație industriale. Specificații ale
magistralei de câmp. Partea 5-24: Definiere a
serviciilor stratului Aplicație. Elemente de tip 24
Data aprobării: 29.05.2015
Data traducerii: 30.06.2022

35.240.60 Aplicații IT în transport
SR EN ISO 13143-2:2017 **NCT**
Colectarea electronică a taxei. Evaluarea
echipamentelor la bord și rutiere, pentru
conformitatea cu ISO 12813. Partea 2: Serie de
teste abstracte
Data aprobării: 31.05.2017
Data traducerii: 30.06.2022

SR EN ISO 17264:2010/A1:2019 **NCT**
Sisteme inteligente de transport. Identificare
automată a vehiculelor și a echipamentelor lor.
Interfețe. Amendament 1
Data aprobării: 30.08.2019
Data traducerii: 30.06.2022

45.060.10 Material rulant de tracțiune
SR EN 50702:2021 **NCT**
Titlul în limba română Aplicații feroviare. Material
rulant. Aparat de captare a curentului electric de
la șina de contact (capțator de curent electric):
Caracteristici și încercări
30
Data aprobării: 30.07.2021
Data traducerii: 30.06.2022

**71.040.10 Laboratoare de analize chimice.
Echipament de laborator**
SR EN IEC 61010-2-040:2021 **NCT**
Reguli de securitate pentru echipamentul electric
de măsurare, de control și de laborator. Partea 2-
040: Cerințe particulare pentru sterilizatoare și
aparate de dezinfectie-spălare utilizate pentru
tratamentul materialelor de uz medical
Data aprobării: 23.12.2021

Data traducerii: 30.06.2022

77.140.75 Țevi și tuburi din oțel pentru utilizări speciale

SR EN 10216-2+A1:2020 NCT

Țevi de oțel fără sudură utilizate la presiune. Condiții tehnice de livrare. Partea 2: Țevi de oțel nealiat și aliat, cu caracteristici specificate la temperatură ridicată

Data aprobării: 31.03.2020

Data traducerii: 30.06.2022

SR EN 10217-7:2021 NCT

Țevi de oțel sudate utilizate la presiune. Condiții tehnice de livrare. Partea 7: Țevi de oțel inoxidabil

Data aprobării: 31.05.2021

Data traducerii: 30.06.2022

81.040.20 Sticlă pentru construcții

SR EN 14179-1:2016 NCT

Sticlă pentru construcții. Sticlă de siguranță silico-calco-sodică securizată termic și tratată heat soak. Partea 1: Definiții și descriere

Data aprobării: 23.12.2016

Data traducerii: 30.06.2022

85.060 Hârtie și carton

SR EN ISO 536:2020 NCT

Hârtie și carton. Determinarea gramajului

Data aprobării: 30.04.2020

Data traducerii: 30.06.2022

91.060.40 Coșuri, goluri pentru ascensoare, goluri de aerisire

SR EN 16475-6:2020 NCT

Coșuri de fum. Accesorii. Partea 6: Componente de acces. Cerințe și metode de încercare

Data aprobării: 30.06.2020

Data traducerii: 30.06.2022

91.140.40 Sisteme de alimentare cu gaz

SR EN 437:2021 NCT

Gaze de încercare. Presiuni de încercare. Categoriile de aparate

Data aprobării: 30.06.2021

Data traducerii: 30.06.2022

SR EN 17526:2022 NCT

Contoare de gaz. Contor de gaz pe bază de debitmetru masic cu transfer termic

Data aprobării: 31.01.2022

Data traducerii: 30.06.2022

91.140.65 Aparate de încălzire a apei

SR EN 50193-2-2:2017/A1:2020 NCT

Încălzitoare de apă electrice instantanee. Partea 2-2: Cerințe de performanță. Dușuri electrice instantanee cu un singur punct de utilizare. Eficiență

Data aprobării: 30.09.2020

Data traducerii: 30.06.2022

SR EN 50193-2-1:2017/A1:2020 NCT

Încălzitoare de apă electrice instantanee. Partea 2-1: Metode de măsurare a performanței. Încălzitoare de apă instantanee electrice multifuncționale

Data aprobării: 30.09.2020

Data traducerii: 30.06.2022

SR EN 50193-1:2017/A1:2020 NCT

Încălzitoare de apă electrice instantanee. Metode pentru măsurarea performanțelor. Partea 1: Cerințe generale

Data aprobării: 30.09.2020

Data traducerii: 30.06.2022

91.180 Finisaje interioare

SR EN 15102:2019 NCT

Tapete decorative. Tapete în rulouri

Data aprobării: 30.08.2019

Data traducerii: 30.06.2022

97.040.20 Aragaze, aparate de încălzire, cuptoare și aparate similare

SR EN 60704-2-14:2013/A1:2019 NCT

Aparate electrice de uz casnic și scopuri similar. Cod de încercare pentru determinarea zgomotului transmis prin aer. Partea 2-14: Prescripții particulare pentru frigider, dulapuri frigorifice pentru stocarea alimentelor congelate și congelatoare

Data aprobării: 29.11.2019

Data traducerii: 30.06.2022

SR EN 60350-1:2017/A1:2021 NCT

Aparate electrice de gătit pentru utilizări casnice. Partea 1: Mașini de gătit, cuptoare, cuptoare cu vapori și grătare. Metode pentru măsurarea performanțelor

Data aprobării: 31.08.2021

Data traducerii: 30.06.2022

SR EN 60350-2:2018/A1:2021 NCT

Aparate electrice de gătit pentru utilizări casnice.
Partea 2: Plite. Metode pentru măsurarea performanțelor
Data aprobării: 31.08.2021
Data traducerii: 30.06.2022

97.040.40 Mașini de spălat vase

SR EN 60436:2020/A11:2020 NCT
Mașini electrice de spălat vase pentru uz casnic.
Metode de încercare pentru măsurarea performanțelor
Data aprobării: 23.12.2020
Data traducerii: 30.06.2022

97.060 Echipamente de spălat

SR EN 60704-2-4:2013/A11:2020 NCT
Aparate electrice de uz casnic și scopuri similare.
Cod de încercare pentru determinarea zgomotului transmis prin aer. Partea 2-4: Prescripții particulare pentru mașini de spălat rufe și storcătoare prin centrifugare
Data aprobării: 31.07.2020
Data traducerii: 30.06.2022

97.100 Aparate de încălzit de uz casnic, industrial și comercial

SR EN 60675:2003/A2:2019 NCT
Aparate electrice de uz casnic pentru încălzit încăperi cu acțiune direct. Metode de măsurare a performanței de funcționare
Data aprobării: 29.03.2019
Data traducerii: 30.06.2022

SR EN 60531:2002/A11:2020 NCT

Aparate electrice de uz casnic pentru încălzit încăperi cu acumulare de căldură. Metode de măsurare a aptitudinii de funcționare
Data aprobării: 31.01.2020
Data traducerii: 30.06.2022

97.100.01 Aparate de încălzit în general

97.100.10 Aparate de încălzit electrice

SR EN 60704-2-5:2006/A1:2015 NCT
Aparate electrice de uz casnic și scopuri similare.
Cod de încercare pentru determinarea zgomotului transmis prin aer. Partea 2-5: Reguli specifice pentru aparatele electrice de încălzire a încăperilor, cu acumulare
Data aprobării: 31.08.2015
Data traducerii: 30.06.2022

97.100.20 Aparate de încălzit cu gaz

97.100.30 Aparate de încălzit cu combustibili solizi

97.100.40 Aparate de încălzit cu combustibil lichid

97.100.99 Aparate de încălzit utilizând alte surse de energie

EXAMINAREA PERIODICĂ A STANDARDELOR ROMANE ORIGINALE

În această rubrică sunt publicate standardele române originale confirmate, rezultate în urma examinării în cadrul comitetelor tehnice.

CT 357- Gaze naturale si analiza gazelor

SR 3317:2015

Gaz natural. Conditii tehnice si de calitate

STAS 8722-1970

Fractia propanpropilena

STAS 8723-1970

Propan

STAS 9756-1979

N- butan

SR 11050:2015

Instalații de gaze naturale. Terminologie

SR 13406:2014

Odorizarea gazelor naturale. Condiții tehnice generale

STAS 11156-78

Teren de fundare. Geofizica inginerescă. Terminologie

STAS 1242/2-83

Teren de fundare. Cercetări geologico-tehnice și geotehnice specifice traseelor de căi ferate, drumuri și autostrăzi

STAS 1242/3-87

Teren de fundare. Cercetări prin sondaje deschise

STAS 1242/4-85

Teren de fundare. Cercetări geotehnice prin foraje executate în pământuri

STAS 1242/7-84

Teren de fundare. Cercetarea geofizică a terenului prin metode seismice

STAS 1242/8-75

Teren de fundare. Principii de cercetare geofizică a terenului prin metode electrometrice în curent continuu

STAS 1242/9-76

Teren de fundare. Cercetarea geofizică a terenului prin metode radiometrice

STAS 13006-91

Teren de fundare. Determinarea densității maxime corespunzătoare stării uscate a pământurilor necoezive

STAS 13021-91

Teren de fundare. Determinarea densității minime corespunzătoare stării uscate a pământurilor necoezive

STAS 1913/12-88

Teren de fundare. Determinarea caracteristicilor fizice și mecanice ale pământurilor cu umflări și contracții mari

STAS 1913/15-75

Teren de fundare. Determinarea greutății volumice, pe teren

STAS 1913/16-75

Teren de fundare. Determinarea gradientului hidraulic critic

STAS 1913/8-82

Teren de fundare. Determinarea înălțimii capilare în pământurile necoezive. Metoda coloanei de pământ

STAS 1913/9-86

Teren de fundare. Determinarea căldurii maxime de umezire a pământurilor

STAS 2745-90

Teren de fundare. Urmărirea tasărilor construcțiilor prin metode topografice

STAS 6054-77

Teren de fundare. Adâncimi maxime de îngheț. Zonarea teritoriului Republicii Socialiste România

STAS 7107/1-76

Teren de fundare. Determinarea materiilor organice

STAS 7107/3-74

Teren de fundare. Determinarea conținutului de carbonați

STAS 7206-87

Fundații de mașini. Prescripții de proiectare

STAS 8942/3-90

Teren de fundare. Determinarea modului de deformație liniară prin încercări pe teren cu placa

STAS 9180-73

Teren de fundare. Determinarea capacității de reținere a apei de către pământuri la diferite secțiuni

STANDARDE ROMÂNE ORIGINALE PROPUSE PENTRU ANULARE - ANCHETĂ PUBLICĂ

În această rubrică sunt publicate propuneri de anulare. Asupra acestor standarde poate face observații orice persoană fizică sau juridică până la termenul indicat după fiecare standard, termen care reprezintă sfârșitul anchetei publice

În această rubrică sunt publicate standardele române originale propuse pentru anulare. Referitor la aceste propuneri poate trimite observații orice persoană fizică sau juridică, la adresa asro@asro.ro, până la termenul indicat pentru fiecare standard, termen care reprezintă sfârșitul anchetei publice.

CT 4 – Tracțiune electrică

STAS R 12407-86

Mașini electrice rotative pentru vehicule feroviare și rutiere. Criterii de apreciere a comutației
Termen limita: 31.07.2022

STAS 1913/13-83

Teren de fundare. Determinarea caracteristicilor de compactare. Încercarea Proctor

STAS 1913/1-82

Teren de fundare. Determinarea umidității

STAS 1913/2-76

Teren de fundare. Determinarea densității scheletului pământului

STAS 1913/3-76

Teren de fundare. Determinarea densității pământurilor

STAS 1913/4-86

Teren de fundare. Determinarea limitelor de plasticitate

STAS 1913/5-85

Teren de fundare. Determinarea granulozității

STAS 1913/6-76

Teren de fundare. Determinarea permeabilității în laborator

STAS 8942/1-89

Teren de fundare. Determinarea compresibilității pământurilor prin încercarea în edometru

STAS 8942/2-82

Teren de fundare. Determinarea rezistenței pământurilor la forfecare, prin încercarea de forfecare directă

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 319 Informatică medicală**
 - Președinte Dr. Călin MUNTEAN - Societatea Română de Informatică Medicală
 - Expert ASRO: Ing. Valentina DINCĂ

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



STANDARDE / DOCUMENTE DE STANDARDIZARE EUROPENE CEN APROBATE

În perioada **2022.06.01 – 2022.06.30**

EN 3792:2022

Aerospace series - Anaerobic polymerisable compounds - Technical specification
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

CEN ISO/ASTM/TR 52906:2022

Additive manufacturing - Non-destructive testing - Intentionally seeding flaws in metallic parts (ISO/ASTM/TR 52906:2022)
doa: dop: dow:

01.040 Vocabulare

01.040.17 Metrologie si masurare. Fenomene fizice (Vocabulare)

EN ISO 8655-1:2022

Piston-operated volumetric apparatus - Part 1: Terminology, general requirements and user recommendations (ISO 8655-1:2022)
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

01.040.49 Aeronautica si spatiu (Vocabulare)

EN 4259:2022

Aerospace series - Metallic materials - Definition of general terms
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

01.040.83 Industria cauciucului si a materialelor plastice. (Vocabulare)

EN ISO 18064:2022

Thermoplastic elastomers - Nomenclature and abbreviated terms (ISO 18064:2022)
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

01.120 Standardizare. Reguli generale

EN 4385:2022

Aerospace series - Non-metallic materials - General organization of standardization - Links between types of standards
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

03.100 Organizarea si managementul întreprinderii. Sisteme de management

03.100.70 Sisteme de management

EN ISO 50005:2022

Energy management systems - Guidelines for a phased implementation (ISO 50005:2021)
doa: 2022-08-31 dop: dow:
2022-11-30

03.220 Transport

03.220.20 Transport rutier

EN ISO 12855:2022

Electronic fee collection - Information exchange between service provision and toll charging (ISO 12855:2022)
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

11.040 Echipament medical

11.040.10 Echipament pentru anestezie, respiratie si reanimare

EN ISO 10079-2:2022

Medical suction equipment - Part 2: Manually powered suction equipment (ISO 10079-2:2022)
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN ISO 10079-3:2022

Medical suction equipment - Part 3: Suction equipment powered from a vacuum or positive pressure gas source (ISO 10079-3:2022)
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN ISO 23372:2022

Anaesthetic and respiratory equipment - Air entrainment devices (ISO 23372:2022)

doa: 2022-08-31 dop: 2022-11-30

dow: 2022-11-30

11.040.25 Seringi, ace si catetere

EN ISO 11608-1:2022

Needle-based injection systems for medical use - Requirements and test methods - Part 1: Needle-based injection systems (ISO 11608-1:2022)

doa: 2022-08-31 dop: 2022-11-30

dow: 2025-05-31

EN ISO 11608-2:2022

Needle-based injection systems for medical use - Requirements and test methods - Part 2: Double-ended pen needles (ISO 11608-2:2022)

doa: 2022-08-31 dop: 2022-11-30

dow: 2022-11-30

EN ISO 11608-3:2022

Needle-based injection systems for medical use - Requirements and test methods - Part 3: Containers and integrated fluid paths (ISO 11608-3:2022)

doa: 2022-08-31 dop: 2022-11-30

dow: 2022-11-30

EN ISO 11608-4:2022

Needle-based injection systems for medical use - Requirements and test methods - Part 4: Needle-based injection systems containing electronics (ISO 11608-4:2022)

doa: 2022-08-31 dop: 2022-11-30

dow: 2022-11-30

11.080 Sterilizare si dezinfectare

11.080.01 Sterilizare si dezinfectare în general

EN ISO 25424:2019/A1:2022

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/Amd 1:2022)

doa: 2022-08-31 dop: 2022-11-30

dow: 2022-11-30

13.020 Protectia mediului

13.020.55 Produse de origine biologica

EN 17605:2022

Algae and algae products - Methods of sampling and analysis - Sample treatment

doa: 2022-08-31 dop: 2022-11-30

dow: 2022-11-30

13.040 Calitatea aerului

13.040.30 Aerul la locul de munca

EN ISO 23320:2022

Workplace air - Gases and vapours - Requirements for evaluation of measuring procedures using diffusive samplers (ISO 23320:2022)

doa: 2022-08-31 dop: 2022-11-30

dow: 2022-11-30

13.040.35 Camere curate si mediu înconjurator controlat

EN ISO 14644-10:2022

Cleanrooms and associated controlled environments - Part 10: Assessment of surface cleanliness for chemical contamination (ISO 14644-10:2022)

doa: 2022-08-31 dop: 2022-11-30

dow: 2022-11-30

EN ISO 14644-9:2022

Cleanrooms and associated controlled environments - Part 9: Assessment of surface cleanliness for particle concentration (ISO 14644-9:2022)

doa: 2022-08-31 dop: 2022-11-30

dow: 2022-11-30

13.080 Calitatea solului. Pedologie

**13.080.20 Proprietati fizice ale solurilor
EN ISO 17892-1:2014/A1:2022**

Geotechnical investigation and testing - Laboratory testing of soil - Part 1: Determination of water content - Amendment 1 (ISO 17892-1:2014/Amd 1:2022)

doa: 2022-08-31 dop: 2022-11-30

dow: 2022-11-30

13.140 Zgomot si efectele sale asupra omului

EN ISO 17201-6:2022

Acoustics - Noise from shooting ranges - Part 6: Sound pressure measurements close to the source for determining exposure to sound (ISO 17201-6:2021)

doa: 2022-08-31 dop: 2022-11-30

dow: 2022-11-30

13.220 Protectia contra incendiilor

13.220.20 Protectia contra incendiilor

EN 81-58:2022

Safety rules for the construction and installation of lifts - Examination and tests - Part 58: Landing doors fire resistance test

doa: 2022-08-31 dop: 2022-11-30

dow: 2024-05-31

EN 12259-14:2020+A1:2022

Fixed firefighting systems - Components for sprinkler and water spray systems - Part 14: Sprinklers for residential applications
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

13.300 Protectia contra produselor periculoase**EN 13094:2020+A1:2022**

Tanks for the transport of dangerous goods - Metallic gravity-discharge tanks - Design and construction
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

13.320 Sisteme de alarma si de alertare**EN 16334-1:2014+A1:2022**

Railway applications - Passenger Alarm System - Part 1: System requirements for mainline rail
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

13.340 Echipament de protectie individuala**13.340.20 Echipamente de protectie a capului****EN ISO 18527-1:2022**

Eye and face protection for sports use - Part 1: Requirements for downhill skiing and snowboarding goggles (ISO 18527-1:2021)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2025-05-31

17.060 Mijloace de masurare a volumului, masei, densitatii, viscozitatii**EN ISO 8655-1:2022**

Piston-operated volumetric apparatus - Part 1: Terminology, general requirements and user recommendations (ISO 8655-1:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN ISO 8655-2:2022

Piston-operated volumetric apparatus - Part 2: Pipettes (ISO 8655-2:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN ISO 8655-3:2022

Piston-operated volumetric apparatus - Part 3: Burettes (ISO 8655-3:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN ISO 8655-4:2022

Piston-operated volumetric apparatus - Part 4: Dilutors (ISO 8655-4:2022)

doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN ISO 8655-5:2022

Piston-operated volumetric apparatus - Part 5: Dispensers (ISO 8655-5:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN ISO 8655-6:2022

Piston-operated volumetric apparatus - Part 6: Gravimetric reference measurement procedure for the determination of volume (ISO 8655-6:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN ISO 8655-7:2022

Piston-operated volumetric apparatus - Part 7: Alternative measurement procedures for the determination of volume (ISO 8655-7:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN ISO 8655-8:2022

Piston-operated volumetric apparatus - Part 8: Photometric reference measurement procedure for the determination of volume (ISO 8655-8:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN ISO 8655-9:2022

Piston-operated volumetric apparatus - Part 9: Manually operated precision laboratory syringes (ISO 8655-9:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

17.140 Acustica si masurari acustice**17.140.01 Masurari acustice si atenuarea zgomotului în general****EN ISO 26101-1:2022**

Acoustics - Test methods for the qualification of the acoustic environment - Part 1: Qualification of free-field environments (ISO 26101-1:2021)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

17.140.20 Zgomot emis de masini si echipamente**EN ISO 17201-6:2022**

Acoustics - Noise from shooting ranges - Part 6: Sound pressure measurements close to the source for determining exposure to sound (ISO 17201-6:2021)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

19.100 Încercari nedistructive

EN ISO 17405:2022

Non-destructive testing - Ultrasonic testing -
Technique of testing claddings produced by
welding, rolling and explosion (ISO 17405:2022)
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

23.020 Mijloace pentru stocarea fluidelor

**23.020.20 Rezervoare si recipiente
montate pe vehicule**

EN 13094:2020+A1:2022

Tanks for the transport of dangerous goods -
Metallic gravity-discharge tanks - Design and
construction
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

23.020.35 Butelii de gaz

EN 12245:2022

Transportable gas cylinders - Fully wrapped
composite cylinders
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

23.040 Conducte si accesorii

**23.040.07 Conducte si partile lor pentru
termoficare**

EN 15632-1:2022

District heating pipes - Factory made flexible pipe
systems - Part 1: Classification, general
requirements and test methods
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN 15632-2:2022

District heating pipes - Factory made flexible pipe
systems - Part 2: Bonded system with plastic
service pipes; requirements and test methods
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN 15632-3:2022

District heating pipes - Factory made flexible pipe
systems - Part 3: Non bonded system with plastic
service pipes; requirements and test methods
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN 15632-4:2022

District heating pipes - Factory made flexible pipe
systems - Part 4: Bonded system with metal
service pipes; requirements and test methods
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

23.040.99 Alte accesorii pentru conducte

EN 15112:2022

External cathodic protection of well casings
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

23.060 Robinetarie

23.060.01 Robinetarie în general

EN ISO 28921-1:2022

Industrial valves - Isolating valves for low-
temperature applications - Part 1: Design,
manufacturing and production testing (ISO 28921-
1:2022)
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

23.060.20 Robinete cu bila sau cep

EN 15714-5:2022

Industrial valves - Actuators - Part 5: Pneumatic
linear actuators for industrial valves - Basic
requirements
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

23.140 Compresoare si masini pneumatice

EN 12583:2022

Gas Infrastructure - Compressor stations -
Functional requirements
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

25.030 Fabricatia aditiva

EN ISO/ASTM 52925:2022

Additive manufacturing of polymers - Feedstock
materials - Qualification of materials for laser-
based powder bed fusion of parts (ISO/ASTM
52925:2022)
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

25.220 Tratamente si acoperiri de suprafata

25.220.50 Emailari

EN ISO 4531:2022

Vitreous and porcelain enamels - Release from
enamelled articles in contact with food - Methods
of test and limits (ISO 4531:2022)
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

**27.015 Eficienta energetica. Economii de
energie în general**

EN ISO 50005:2022

Energy management systems - Guidelines for a
phased implementation (ISO 50005:2021)
doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

35.030 Securitatea IT**EN 17529:2022**

Data protection and privacy by design and by default

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

35.240 Aplicatii privind tehnologia informatiei**35.240.60 Aplicatii IT în transport****EN ISO 12855:2022**

Electronic fee collection - Information exchange between service provision and toll charging (ISO 12855:2022)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

CEN/TS 16157-12:2022

Intelligent transport systems - DATEX II data exchange specifications for traffic management and information - Part 12: Facility related publications

doa: 2022-08-31 dop: dow:

43.120 Vehicule rutiere electrice**EN ISO 15118-20:2022**

Road vehicles - Vehicle to grid communication interface - Part 20: 2nd generation network layer and application layer requirements (ISO 15118-20:2022)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN 17404:2022

Cycles - Electrically power assisted cycles - EPAC Mountain bikes

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

43.150 Biciclete**EN 17404:2022**

Cycles - Electrically power assisted cycles - EPAC Mountain bikes

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

45.040 Materiale si componente pentru cai ferate**EN 15427-2-1:2022**

Railway applications - Wheel/Rail friction management - Part 2-1: Properties and Characteristics - Flange lubricants

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

45.060 Material rulant pentru cai ferate**45.060.01 Material rulant pentru cai ferate în general****EN 17530:2022**

Railway applications - Interior glazing for rail vehicles

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

45.060.20 Material rulant tractat**EN 16334-1:2014+A1:2022**

Railway applications - Passenger Alarm System - Part 1: System requirements for mainline rail

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

47.020 Constructii navale si structuri maritime în general**47.020.99 Alte standarde referitoare la structuri maritime****EN ISO 20519:2022**

Ships and marine technology - Specification for bunkering of liquefied natural gas fuelled vessels (ISO 20519:2021)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

49.025 Materiale pentru aeronautica**49.025.05 Feroaliaje în general****EN 4259:2022**

Aerospace series - Metallic materials - Definition of general terms

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

49.025.10 Oteluri**EN 4890:2022**

Aerospace series - Steel X4CrNiMo16-5-1 - Air melted - Hardened and tempered - Sheets and plates - 0,3 mm = a = 50 mm - 900 MPa = Rm = 1 050 MPa

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

49.025.15 Aliaje neferoase în general**EN 4259:2022**

Aerospace series - Metallic materials - Definition of general terms

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

49.025.20 Aluminii**EN 4900:2022**

Aerospace series - Aluminium alloy 5086 - H111 - Extruded bars - 10 mm = D = 300 mm

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

49.025.99 Alte materiale

EN 4385:2022

Aerospace series - Non-metallic materials -
General organization of standardization - Links
between types of standards

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

49.035 Componente pentru constructia aeronavelor

EN 4841-1:2022

Aerospace series - Shock mount with bushes -
Part 1: Technical specification

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN 4841-2:2022

Aerospace series - Shock mount with bushes -
Part 2: Technical overview

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

49.060 Echipament electric

EN 3155-075:2022

Aerospace series - Electrical contacts used in
elements of connection - Part 075: Contacts,
electrical, quadrax, size 8, female, type E, crimp,
class R - Product standard

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN 3373-001:2022

Aerospace series - Terminal lugs and in-line
splices for crimping on electric conductors - Part
001: Technical specification

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN 3660-062:2022

Aerospace series - Cable outlet accessories for
circular and rectangular electrical and optical
connectors - Part 062: Cable outlet, style K, 90°,
for heat shrinkable boot, shielded, sealed, self-
locking - Product standard

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN 3660-063:2022

Aerospace series - Cable outlet accessories for
circular and rectangular electrical and optical
connectors - Part 063: Cable outlet, style K,
straight, for heat shrinkable boot, shielded,
sealed, self-locking - Product standard

doa: 2022-08-31 dop: dow:
2022-11-30

EN 3660-064:2022

Aerospace series - Cable outlet accessories for
circular and rectangular electrical and optical
connectors - Part 064: Cable outlet, style K,
straight, for heat shrinkable boot, shielded,
sealed, self-locking - Product standard

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN 3660-065:2022

Aerospace series - Cable outlet accessories for
circular and rectangular electrical and optical
connectors - Part 065: Cable outlet, style K, 90°,
for heat shrinkable boot, shielded, sealed, self-
locking - Product standard

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN 3838:2022

Aerospace series - Requirements and tests on
user-applied markings on aircraft electrical cables

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN 6059-401:2022

Aerospace series - Electrical cables, installation -
Protection sleeves - Test methods - Part 401:

Expansion range

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

49.090 Echipamente si instrumente de bord

EN 3745-412:2022

Aerospace series - Fibres and cables, optical,
aircraft use - Test methods - Part 412: Humidity
resistance

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

53.060 Carucioare de manipulare

EN 1757:2022

Safety of industrial trucks - Pedestrian propelled
industrial platform trucks

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

55.180 Distribuirea marfurilor

55.180.10 Containere pentru uz general

EN ISO 6346:2022

Freight containers - Coding, identification and
marking (ISO 6346:2022)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

65.060 Masini si echipamente agricole

65.060.80 Echipamente forestiere

EN ISO 11681-1:2022

Machinery for forestry - Portable chain-saw safety requirements and testing - Part 1: Chain-saws for forest service (ISO 11681-1:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN ISO 11681-2:2022

Machinery for forestry - Portable chain-saw safety requirements and testing - Part 2: Chain-saws for tree service (ISO 11681-2:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN ISO 11850:2011/A2:2022

Machinery for forestry - General safety requirements - Amendment 2: Access to operator's station and maintenance locations (ISO 11850:2011/Amd 2:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

65.080 Îngrasaminte**CEN/TS 17803:2022**

Organic and organo-mineral fertilizers - Detection of specific pathogens
 doa: 2022-08-31 dop: dow:

CEN/TS 17804:2022

Organic, organo-mineral and inorganic fertilizers - Detection of Enterocococaceae
 doa: 2022-08-31 dop: dow:

67.250 Materiale si produse în contact cu alimentele**EN ISO 4531:2022**

Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits (ISO 4531:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

71.040 Chimie analitica**71.040.20 Sticlari de laborator si aparate aferente****EN ISO 8655-8:2022**

Piston-operated volumetric apparatus - Part 8: Photometric reference measurement procedure for the determination of volume (ISO 8655-8:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN ISO 8655-9:2022

Piston-operated volumetric apparatus - Part 9: Manually operated precision laboratory syringes (ISO 8655-9:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

71.100 Produse din industria chimica**71.100.80 Produse chimice pentru purificarea apei****EN 12125:2022**

Chemicals used for treatment of water intended for human consumption - Sodium thiosulfate
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN 12174:2022

Chemicals used for treatment of water intended for human consumption - Sodium hexafluorosilicate
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

75.060 Gaz natural**EN ISO 20765-5:2022**

Natural gas - Calculation of thermodynamic properties - Part 5: Calculation of viscosity, Joule-Thomson coefficient, and isentropic exponent (ISO 20765-5:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

75.100 Lubrifianti, uleiuri industriale si produse auxiliare**EN ISO 13503-3:2022**

Petroleum and natural gas industries - Completion fluids and materials - Part 3: Testing of heavy brines (ISO 13503-3:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

EN 15427-2-1:2022

Railway applications - Wheel/Rail friction management - Part 2-1: Properties and Characteristics - Flange lubricants
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

75.160 Combustibili**75.160.10 Combustibili solizi****EN ISO 21646:2022**

Solid recovered fuels - Sample preparation (ISO 21646:2022)
 doa: 2022-08-31 dop: 2022-11-30
 dow: 2022-11-30

75.180 Masini si utilaje pentru industria petroliera si a gazului natural**75.180.10 Masini si utilaje pentru exploatare si extractie**

EN ISO 24200:2022

Petroleum, petrochemical and natural gas industries - Bulk material for offshore projects - Pipe support (ISO 24200:2022)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

75.200 Masini si utilaje pentru transportul produselor petroliere si a gazului natural

EN 12583:2022

Gas Infrastructure - Compressor stations - Functional requirements

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

77.040 Încercările metalelor

77.040.10 Încercări mecanice ale metalelor

EN ISO 16808:2022

Metallic materials - Sheet and strip - Determination of biaxial stress-strain curve by means of bulge test with optical measuring systems (ISO 16808:2022)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

77.060 Coroziunea metalelor

EN ISO 12696:2022

Cathodic protection of steel in concrete (ISO 12696:2022)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

EN 15112:2022

External cathodic protection of well casings

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

77.140 Produse din otel si fonta

77.140.15 Oteluri pentru armarea betonului

EN ISO 12696:2022

Cathodic protection of steel in concrete (ISO 12696:2022)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

77.180 Echipamente pentru industria metalurgica

EN 15094:2022

Safety of machinery - Safety requirements for cold flat rolling mills

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

83.080 Materiale plastice

83.080.20 Materiale termoplastice

EN ISO 18064:2022

Thermoplastic elastomers - Nomenclature and abbreviated terms (ISO 18064:2022)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

83.140 Produse din cauciuc si materiale plastice

83.140.30 Tevi de material plastic si fittinguri pentru utilizari fara fluide

CEN/TS 14541-2:2022

Plastics pipes and fittings - Utilisation of thermoplastics recycles - Part 2:

Recommendations for relevant characteristics
doa: 2022-08-31 dop: dow:

EN 14541-1:2022

Plastics pipes and fittings - Utilisation of thermoplastics recycles - Part 1: Vocabulary

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

91.060 Elemente ale constructiilor

91.060.10 Ziduri. Pereti despartitori. Fatade

EN 13830:2015+A1:2020/AC:2022

Curtain walling - Product standard

doa: dop: dow:

91.120 Protectia exterioara si interioara a cladirilor

91.120.25 Protectia împotriva seismelor si vibratiilor

EN 81-77:2022

Safety rules for the construction and installations of lifts - Particular applications for passenger and goods passenger lifts - Part 77: Lifts subject to seismic conditions

doa: 2022-08-31 dop: 2022-11-30
dow: 2024-05-31

91.140 Instalatii în cladiri

91.140.90 Ascensoare. Scari rulante

EN 81-21:2022

Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 21: New passenger and goods passenger lifts in existing building

doa: 2022-08-31 dop: 2022-11-30
dow: 2024-05-31

EN 81-58:2022

Safety rules for the construction and installation of lifts - Examination and tests - Part 58: Landing doors fire resistance test

doa: 2022-08-31 dop: 2022-11-30
dow: 2024-05-31

EN 81-71:2022

Safety rules for the construction and installation of lifts - Particular applications to passenger lifts and goods passenger lifts - Part 71: Vandal resistant lifts

doa: 2022-08-31 dop: 2022-11-30
dow: 2024-05-31

EN 81-77:2022

Safety rules for the construction and installations of lifts - Particular applications for passenger and goods passenger lifts - Part 77: Lifts subject to seismic conditions

doa: 2022-08-31 dop: 2022-11-30
dow: 2024-05-31

93.020 Lucrari de terasament. Excavatii. Fundatii. Lucrari subterane**EN ISO 17892-1:2014/A1:2022**

Geotechnical investigation and testing - Laboratory testing of soil - Part 1: Determination of water content - Amendment 1 (ISO 17892-1:2014/Amd 1:2022)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

95.020 Afaceri militare în general**EN ISO 17201-6:2022**

Acoustics - Noise from shooting ranges - Part 6: Sound pressure measurements close to the source for determining exposure to sound (ISO 17201-6:2021)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

97.040 Echipament de bucatarie**97.040.10 Mobila de bucatarie****EN 14749:2016+A1:2022**

Furniture - Domestic and kitchen storage units and kitchen-worktops - Safety requirements and test methods

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

97.040.60 Articole de bucatarie, tacâmuri și cutite**EN ISO 4531:2022**

Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits (ISO 4531:2022)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

97.080 Dispozitive de curatat**EN 17348:2022**

Requirements for design and testing of vacuum cleaners for use in potentially explosive atmospheres

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

97.140 Mobila**EN 14749:2016+A1:2022**

Furniture - Domestic and kitchen storage units and kitchen-worktops - Safety requirements and test methods

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

97.190 Echipamente pentru copii**EN 13209-1:2022**

Child care articles - Child carriers - Safety requirements and test methods - Part 1: Framed back carrier

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

97.200 Echipamente pentru distractii**97.200.30 Echipament de camping și terenuri de camping****EN ISO 23537-1:2022**

Requirements for sleeping bags - Part 1: Thermal, mass and dimensional requirements for sleeping bags designed for limit temperatures of -20°C and higher (ISO 23537-1:2022)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

97.200.50 Jucarii**EN 71-13:2021+A1:2022**

Safety of toys - Part 13: Olfactory board games, cosmetic kits and gustative games

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

97.220 Echipamente și instalatii sportive**97.220.10 Instalatii sportive****EN ISO 17201-6:2022**

Acoustics - Noise from shooting ranges - Part 6: Sound pressure measurements close to the source for determining exposure to sound (ISO 17201-6:2021)

doa: 2022-08-31 dop: 2022-11-30
dow: 2022-11-30

97.220.20 Echipamente pentru sporturi de iarna

snowboarding goggles (ISO 18527-1:2021)
doa: 2022-08-31 dop: 2022-11-30
dow: 2025-05-31

EN ISO 18527-1:2022

Eye and face protection for sports use - Part 1:
Requirements for downhill skiing and



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CEN/CLC/ETSI TR 101550:2022

Documents relevant to EN 301 549 (V1.1.1)
"Accessibility requirements suitable for public
procurement of ICT products and services in
Europe"

doa: dop: dow:

doa: 2022-07-06 dop: 2023-01-06
dow: 2025-04-06

**17.220 Electricitate. Magnetism. Masurari
electrice si magnetice**

01.110 Documentatie tehnica de produs

EN IEC 81346-1:2022

Industrial systems, installations and equipment
and industrial products - Structuring principles and
reference designations - Part 1: Basic rules
doa: 2022-08-04 dop: 2023-02-04
dow: 2025-05-04

**17.220.20 Masurari de marimi electrice si
magnetice**

EN IEC 60477-1:2022

Laboratory resistors - Part 1: Laboratory DC
resistors
doa: 2022-08-04 dop: 2023-02-04
dow: 2025-05-04

17.140 Acustica si masurari acustice

17.140.50 Electroacustica

EN IEC 60318-8:2022

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
doa: 2022-08-12 dop: 2023-02-12
dow: 2025-05-12

EN IEC 60477-2:2022

Laboratory resistors - Part 2: Laboratory AC
resistors
doa: 2022-08-04 dop: 2023-02-04
dow: 2025-05-04

EN IEC 62127-1:2022

Ultrasonics - Hydrophones - Part 1: Measurement
and characterization of medical ultrasonic fields
doa: 2022-07-29 dop: 2023-01-29
dow: 2025-04-29

EN IEC 61557-3:2022

Electrical safety in low voltage distribution
systems up to 1 000 V AC and 1 500 V DC -
Equipment for testing, measuring or monitoring of
protective measures - Part 3: Loop impedance
doa: 2022-07-06 dop: 2023-01-06
dow: 2025-04-06

**17.200 Termodinamica si masurari de
temperatura**

**17.200.20 Instrumente de masurare a
temperaturii**

EN IEC 61557-7:2022

Electrical safety in low voltage distribution
systems up to 1 000 V AC and 1 500 V DC -
Equipment for testing, measuring or monitoring of
protective measures - Part 7: Phase sequence
doa: 2022-07-06 dop: 2023-01-06
dow: 2025-04-06

EN IEC 61557-7:2022

Electrical safety in low voltage distribution
systems up to 1 000 V a.c. and 1 500 V d.c. -
Equipment for testing, measuring or monitoring of
protective measures - Part 7: Phase sequence
doa: 2022-07-06 dop: 2023-01-06
dow: 2025-04-06

**17.220.99 Alte standarde referitoare la
electricitate si magnetism**

EN IEC 60587:2022

Electrical insulating materials used under severe
ambient conditions - Test methods for evaluating
resistance to tracking and erosion
doa: 2022-07-04 dop: 2023-01-04
dow: 2025-04-04

EN IEC 62631-2-2:2022

Dielectric and resistive properties of solid insulating materials - Part 2-2: Relative permittivity and dissipation factor - High frequencies (1 MHz to 300 MHz) - AC methods
 doa: 2022-08-12 dop: 2023-02-12
 dow: 2025-05-12

27.160 Energie solara**EN IEC 61215-1-2:2021/A1:2022**

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules
 doa: 2022-08-02 dop: 2023-02-02
 dow: 2025-05-02

EN IEC 61215-1-3:2021/A1:2022

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: 2022-08-02 dop: 2023-02-02
 dow: 2025-05-02

EN IEC 61215-1-4:2021/A1:2022

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: 2022-08-02 dop: 2023-02-02
 dow: 2025-05-02

29.020 Electrotehnica în general**EN IEC 81346-1:2022**

Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 1: Basic rules
 doa: 2022-08-04 dop: 2023-02-04
 dow: 2025-05-04

29.035 Materiale electroizolante**29.035.01 Materiale electroizolante în general****EN IEC 60587:2022**

Electrical insulating materials used under severe ambient conditions - Test methods for evaluating resistance to tracking and erosion
 doa: 2022-07-04 dop: 2023-01-04
 dow: 2025-04-04

EN IEC 62631-2-2:2022

Dielectric and resistive properties of solid insulating materials - Part 2-2: Relative permittivity and dissipation factor - High frequencies (1 MHz to 300 MHz) - AC methods
 doa: 2022-08-12 dop: 2023-02-12
 dow: 2025-05-12

29.060 Conductoare si cabluri electrice**29.060.01 Conductoare si cabluri electrice în general****EN IEC 62641:2022**

Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors
 doa: 2022-10-11 dop: 2023-04-11
 dow: 2025-04-11

EN IEC 62641:2022/A11:2022

Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors
 doa: 2022-10-11 dop: 2023-04-11
 dow: 2025-04-11

EN IEC 63248:2022

Conductors for overhead lines - Coated or clad metallic wire for concentric lay stranded conductors
 doa: 2022-10-11 dop: 2023-04-11
 dow: 2025-04-11

EN IEC 63248:2022/A11:2022

Conductors for overhead lines - Coated or clad metallic wire for concentric lay stranded conductors
 doa: 2022-10-11 dop: 2023-04-11
 dow: 2025-04-11

29.080 Izolatii electrice**29.080.01 Izolatii electrice în general****EN IEC 61557-11:2022**

Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 11: Effectiveness of residual current monitors (RCM) in TT, TN and IT systems
 doa: 2022-07-06 dop: 2023-01-06
 dow: 2025-04-06

EN IEC 61557-3:2022

Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 3: Loop impedance
 doa: 2022-07-06 dop: 2023-01-06
 dow: 2025-04-06

EN IEC 61557-7:2022

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence
 doa: 2022-07-06 dop: 2023-01-06
 dow: 2025-04-06

29.100 Componente pentru echipament electric

29.100.10 Componente magnetice

EN IEC 63093-10:2022

Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 10: PM-cores and associated parts

doa: 2022-08-26 dop: 2023-02-26

dow: 2025-05-26

29.120 Accesorii electrice

29.120.01 Accesorii electrice în general

EN IEC 60730-2-14:2019/A1:2022

Automatic electrical controls - Part 2-14: Particular requirements for electric actuators

doa: 2022-11-17 dop: 2023-05-17

dow: 2025-05-17

29.120.50 Sigurante fuzibile si alte aparate de protectie la scurtcircuit

HD 60364-5-53:2022

Low-voltage electrical installations - Part 5-53: Selection and erection of electrical equipment - Switchgear and controlgear

doa: 2022-08-13 dop: 2022-11-13

dow: 2025-05-13

29.130 Aparate de conectare si comanda

29.130.10 Aparate de conectare si comanda de înalta tensiune

EN IEC 62271-209:2019/A1:2022

High-voltage switchgear and controlgear - Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV - Fluid-filled and extruded insulation cables - Fluid-filled and dry-type cable-terminations

doa: 2022-08-05 dop: 2023-02-05

dow: 2025-05-05

29.160 Masini electrice rotative

29.160.01 Masini electrice rotative în general

EN IEC 60072-1:2022

Rotating electrical machines - Dimensions and output series - Part 1: Frame numbers 56 to 400 and flange numbers 55 to 1080

doa: 2022-08-04 dop: 2023-02-04

dow: 2025-05-04

29.240 Rețele de transport si distributie a energiei electrice

29.240.01 Rețele de transport si distributie a energiei electrice în general

EN IEC 61557-11:2022

Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 11: Effectiveness of residual current monitors (RCM) in TT, TN and IT systems

doa: 2022-07-06 dop: 2023-01-06

dow: 2025-04-06

EN IEC 61557-3:2022

Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 3: Loop impedance

doa: 2022-07-06 dop: 2023-01-06

dow: 2025-04-06

EN IEC 61557-7:2022

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence

doa: 2022-07-06 dop: 2023-01-06

dow: 2025-04-06

29.240.20 Linii de transport si distributie a energiei electrice

EN IEC 62641:2022

Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors

doa: 2022-10-11 dop: 2023-04-11

dow: 2025-04-11

EN IEC 62641:2022/A11:2022

Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors

doa: 2022-10-11 dop: 2023-04-11

dow: 2025-04-11

EN IEC 63248:2022

Conductors for overhead lines - Coated or clad metallic wire for concentric lay stranded conductors

doa: 2022-10-11 dop: 2023-04-11

dow: 2025-04-11

EN IEC 63248:2022/A11:2022

Conductors for overhead lines - Coated or clad metallic wire for concentric lay stranded conductors

doa: 2022-10-11 dop: 2023-04-11

dow: 2025-04-11

29.260 Echipament electric pentru conditii speciale

**29.260.20 Aparate si echipamente
electrice pentru medii explozive****EN 60079-29-1:2016/A1:2022**

Explosive atmospheres - Part 29-1: Gas detectors
- Performance requirements of detectors for
flammable gases

doa: 2022-08-13 dop: 2022-11-13
dow: 2025-05-13

EN 60079-29-1:2016/A11:2022

Explosive atmospheres - Part 29-1: Gas detectors
- Performance requirements of detectors for
flammable gases

doa: 2022-08-13 dop: 2022-11-13
dow: 2025-05-13

31.040 Rezistoare electrice**31.040.01 Rezistoare electrice în general****EN IEC 60477-1:2022**

Laboratory resistors - Part 1: Laboratory DC
resistors

doa: 2022-08-04 dop: 2023-02-04
dow: 2025-05-04

EN IEC 60477-2:2022

Laboratory resistors - Part 2: Laboratory AC
resistors

doa: 2022-08-04 dop: 2023-02-04
dow: 2025-05-04

33.160 Tehnici audio, video si audiovizuale**33.160.60 Sisteme multimedia si
echipamente pentru teleconferinte****EN IEC 63033-3:2022**

Multimedia systems and equipment for vehicles -
Surround view system - Part 3: Measurement
methods

doa: 2022-08-25 dop: 2023-02-25
dow: 2025-05-25

EN IEC 63033-4:2022

Multimedia systems and equipment for vehicles -
Surround view system - Part 4: Application for
camera monitor systems

doa: 2022-08-12 dop: 2023-02-12
dow: 2025-05-12

**33.160.99 Alte echipamente audio si
video****EN IEC 63033-1:2022**

Multimedia systems and equipment for vehicles -
Surround view system - Part 1: General

doa: 2022-08-12 dop: 2023-02-12
dow: 2025-05-12

EN IEC 63033-2:2022

Multimedia Systems and equipment for vehicles -

Surround view system - Part 2: Recording
methods of the surround view system

doa: 2022-08-25 dop: 2023-02-25
dow: 2025-05-25

33.180 Comunicatii prin fibra optica**33.180.20 Dispozitive de interconectare
prin fibre optice****EN IEC 61300-1:2022**

Fibre optic interconnecting devices and passive
components - Basic test and measurement
procedures - Part 1: General and guidance

doa: 2022-08-09 dop: 2023-02-09
dow: 2023-05-09

**33.180.99 Alte echipamente de
transmitere prin fibre optice****EN IEC 61757-3-2:2022**

Fibre optic sensors - Part 3-2: Acoustic sensing
and vibration measurement - Distributed sensing

doa: 2022-08-03 dop: 2023-02-03
dow: 2025-05-03

33.200 Telecomanda. Teleconducere**EN 61850-5:2013/A1:2022**

Communication networks and systems for power
utility automation - Part 5: Communication
requirements for functions and device models

doa: 2022-07-27 dop: 2023-01-27
dow: 2025-04-27

EN IEC 62325-451-8:2022

Framework for energy market communications -
Part 451-8: HVDC Scheduling process, contextual
and assembly models for European style market

doa: 2022-07-28 dop: 2023-01-28
dow: 2025-04-28

43.040 Sisteme pentru vehicule rutiere**43.040.10 Echipament electric si
electronic****EN IEC 63033-3:2022**

Multimedia systems and equipment for vehicles -
Surround view system - Part 3: Measurement
methods

doa: 2022-08-25 dop: 2023-02-25
dow: 2025-05-25

EN IEC 63033-4:2022

Multimedia systems and equipment for vehicles -
Surround view system - Part 4: Application for
camera monitor systems

doa: 2022-08-12 dop: 2023-02-12
dow: 2025-05-12

43.040.15 Informatica pentru autovehicule. Sisteme informatice de bord

EN IEC 63033-1:2022

Multimedia systems and equipment for vehicles - Surround view system - Part 1: General
doa: 2022-08-12 dop: 2023-02-12
dow: 2025-05-12

EN IEC 63033-2:2022

Multimedia Systems and equipment for vehicles - Surround view system - Part 2: Recording methods of the surround view system
doa: 2022-08-25 dop: 2023-02-25
dow: 2025-05-25

EN IEC 63033-3:2022

Multimedia systems and equipment for vehicles - Surround view system - Part 3: Measurement methods
doa: 2022-08-25 dop: 2023-02-25
dow: 2025-05-25

EN IEC 63033-4:2022

Multimedia systems and equipment for vehicles -

Surround view system - Part 4: Application for camera monitor systems

doa: 2022-08-12 dop: 2023-02-12
dow: 2025-05-12

91.140 Instalatii în cladiri

91.140.50 Sisteme de alimentare cu energie electrica

HD 60364-5-53:2022

Low-voltage electrical installations - Part 5-53: Selection and erection of electrical equipment - Switchgear and controlgear
doa: 2022-08-13 dop: 2022-11-13
dow: 2025-05-13

97.120 Comenzi automate de uz casnic

EN IEC 60730-2-14:2019/A1:2022

Automatic electrical controls - Part 2-14: Particular requirements for electric actuators
doa: 2022-11-17 dop: 2023-05-17
dow: 2025-05-17



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GS NFV-IFA 006 V4.3.1:2022

Comitet Tehnic ETSI: NFV IFA
Network Functions Virtualisation (NFV) Release 4; Management and Orchestration; Vi-Vnfm reference point - Interface and Information Model Specification

GR NFV-TST 007 V3.1.1:2022

Comitet Tehnic ETSI: NFV TST
Network Functions Virtualisation (NFV) Release 3; Testing; Guidelines on Interoperability Testing for MANO

GS NFV-TST 010 V3.5.1:2022

Comitet Tehnic ETSI: NFV TST
Network Functions Virtualisation (NFV) Release 3; Testing; API Conformance Testing Specification

GS PDL 012 V1.1.1:2022

Comitet Tehnic ETSI: PDL
Permissioned Distributed ledger (PDL); Reference Architecture

TR 100 392-17-6 V1.2.1:2022

Comitet Tehnic ETSI: TCCE
TETRA and Critical Communications Evolution (TCCE); Part 17: TETRA V+D, DMO and associated specifications; Sub-part 6: Release 2.2

TS 102 223 V17.0.0:2022

Comitet Tehnic ETSI: SET TEC
Smart Cards; Card Application Toolkit (CAT) (Release 17)

TS 102 241 V17.2.0:2022

Comitet Tehnic ETSI: SET TEC
Smart Cards; UICC Application Programming Interface (UICC API) for Java Card (TM) (Release 17)

TS 102 412 V16.4.0:2022

Comitet Tehnic ETSI: SET REQ
Smart Cards; Smart Card Platform Requirements Stage 1 (Release 16)

TS 102 412 V17.1.0:2022

Comitet Tehnic ETSI: SET REQ
Smart Cards; Smart Card Platform Requirements Stage 1 (Release 17)

TS 102 818 V3.4.1:2022

Comitet Tehnic ETSI: BROADCAST
Hybrid Digital Radio (DAB, DRM, RadioDNS); XML Specification for Service and Programme Information (SPI)

TS 103 120 V1.11.2:2022

Comitet Tehnic ETSI: LI

Lawful Interception (LI); Interface for warrant information

TS 103 270 V1.4.1:2022

Comitet Tehnic ETSI: BROADCASTAS
RadioDNS Hybrid Radio; Hybrid lookup for radio services

TR 103 627 V1.1.1:2022

Comitet Tehnic ETSI: INT AFI
Core Network and Interoperability Testing (INT/WG AFI) Autonomicity and Self-Management in IMS architecture

TR 103 688 V1.1.1:2022

Comitet Tehnic ETSI: ERM TG37
Intelligent Transport Systems (ITS); Study on receiver requirements in ETSI EN 302 571

TS 103 713 V16.0.0:2022

Comitet Tehnic ETSI: SET TEC
Smart Secure Platform (SSP); SPI interface (Release 16)

TS 103 713 V17.0.0:2022

Comitet Tehnic ETSI: SET TEC
Smart Secure Platform (SSP); SPI interface (Release 17)

TR 103 761 V1.1.1:2022

Comitet Tehnic ETSI: INT
Core Network and Interoperability Testing (INT); Methodologies for E2E Testing & Validation of Vertical Applications over 5G & Beyond networks

TS 103 779 V1.1.1:2022

Comitet Tehnic ETSI: SmartM2M
SmartM2M; Requirements and Guidelines for cross-domain data usability of IoT devices

TR 103 783 V1.1.1:2022

Comitet Tehnic ETSI: SmartM2M
SmartM2M; SAREF: SDT interoperability and oneM2M base ontology alignment

TR 103 869 V1.1.1:2022

Comitet Tehnic ETSI: CYBER
Cybersecurity; Network Router Security Threat Analysis

TS 121 111 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; USIM and IC card requirements (3GPP TS 21.111 version 17.0.0 Release 17)

TR 121 900 V17.1.0:2022

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 17.1.0 Release 17)

TR 121 905 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Vocabulary for 3GPP Specifications (3GPP TR 21.905 version 17.1.0 Release 17)

TS 122 011 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service accessibility (3GPP TS 22.011 version 17.5.0 Release 17)

TS 122 016 V17.0.1:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; International Mobile station Equipment Identities (IMEI) (3GPP TS 22.016 version 17.0.1 Release 17)

TS 122 053 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Tandem Free Operation (TFO); Service description; Stage 1 (3GPP TS 22.053 version 17.0.0 Release 17)

TS 122 076 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Noise suppression for the AMR codec; Service description; Stage 1 (3GPP TS 22.076 version 17.0.0 Release 17)

TS 122 101 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Service aspects; Service principles (3GPP TS 22.101 version 17.4.0 Release 17)

TS 122 104 V17.7.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Service requirements for cyber-physical control applications in vertical domains (3GPP TS 22.104 version 17.7.0 Release 17)

TS 122 115 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service aspects; Charging and billing (3GPP TS 22.115 version 17.0.0 Release 17)

TS 122 153 V17.3.1:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase

2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia priority service (3GPP TS 22.153 version 17.3.1 Release 17)

TS 122 173 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Core Network Subsystem (IMS) Multimedia Telephony Service and supplementary services; Stage 1 (3GPP TS 22.173 version 17.3.0 Release 17)

TS 122 228 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1 (3GPP TS 22.228 version 17.1.0 Release 17)

TS 122 261 V17.10.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Service requirements for the 5G system (3GPP TS 22.261 version 17.10.0 Release 17)

TS 122 262 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Message service within the 5G System (5GS); Stage 1 (3GPP TS 22.262 version 17.1.0 Release 17)

TS 122 263 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Service requirements for Video, Imaging and Audio for Professional Applications (VIAPA) (3GPP TS 22.263 version 17.4.0 Release 17)

TS 122 278 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 17.2.0 Release 17)

TS 122 280 V17.7.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mission Critical Services Common Requirements (MCCoRe); Stage 1 (3GPP TS 22.280 version 17.7.0 Release 17)

TS 122 289 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mobile communication system for railways (3GPP TS 22.289 version 17.0.0 Release 17)

TS 122 468 V17.0.1:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Group Communication System Enablers (GCSE) (3GPP TS 22.468 version 17.0.1 Release 17)

TR 122 953 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia priority service feasibility study (3GPP TR 22.953 version 17.0.0 Release 17)

TS 123 002 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Network architecture (3GPP TS 23.002 version 17.0.0 Release 17)

TS 123 003 V17.5.0:2022

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 17.5.0 Release 17)

TS 123 007 V17.4.1:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Restoration procedures (3GPP TS 23.007 version 17.4.1 Release 17)

TS 123 008 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Organization of subscriber data (3GPP TS 23.008 version 17.1.0 Release 17)

TS 123 018 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Basic call handling; Technical realization (3GPP TS 23.018 version 17.0.0 Release 17)

TS 123 032 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Universal Geographical Area Description (GAD) (3GPP TS 23.032 version 17.2.0 Release 17)

TS 123 040 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Technical realization of the Short Message Service (SMS) (3GPP TS 23.040 version 17.2.0 Release 17)

TS 123 041 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Technical realization of Cell Broadcast Service (CBS) (3GPP TS 23.041 version 17.3.0 Release 17)

TS 123 053 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Tandem Free Operation (TFO); Service description; Stage 2 (3GPP TS 23.053 version 17.0.0 Release 17)

TS 123 122 V17.6.0:2022

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 17.6.0 Release 17)

TS 123 167 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) emergency sessions (3GPP TS 23.167 version 17.2.0 Release 17)

TS 123 180 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Mission critical services support in the Isolated Operation for Public Safety (IOPS) mode of operation (3GPP TS 23.180 version 17.0.0 Release 17)

TS 123 203 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Policy and charging control architecture (3GPP TS 23.203 version 17.2.0 Release 17)

TS 123 214 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Architecture enhancements for control and user plane separation of EPC nodes (3GPP TS 23.214 version 17.0.0 Release 17)

TS 123 216 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Single Radio Voice Call Continuity (SRVCC); Stage 2 (3GPP TS 23.216 version 17.0.0 Release 17)

TS 123 222 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP SA

LTE; 5G; Common API Framework for 3GPP Northbound APIs (3GPP TS 23.222 version 17.5.0 Release 17)

TS 123 228 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS); Stage 2 (3GPP TS 23.228 version 17.3.0 Release 17)

TS 123 247 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Architectural enhancements for 5G multicast-broadcast services (3GPP TS 23.247 version 17.2.0 Release 17)

TS 123 255 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Application layer support for Uncrewed Aerial System (UAS); Functional architecture and information flows; (3GPP TS 23.255 version 17.3.0 Release 17)

TS 123 256 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Support of Uncrewed Aerial Systems (UAS) connectivity, identification and tracking; Stage 2 (3GPP TS 23.256 version 17.2.0 Release 17)

TS 123 271 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Functional stage 2 description of Location Services (LCS) (3GPP TS 23.271 version 17.0.0 Release 17)

TS 123 272 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Circuit Switched (CS) fallback in Evolved Packet System (EPS); Stage 2 (3GPP TS 23.272 version 17.0.0 Release 17)

TS 123 273 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G System (5GS) Location Services (LCS); Stage 2 (3GPP TS 23.273 version 17.4.0 Release 17)

TS 123 280 V17.9.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Common functional architecture to support mission critical services; Stage 2 (3GPP TS 23.280 version 17.9.0 Release 17)

TS 123 281 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Functional architecture and information flows to support Mission Critical Video (MCVideo);

Stage 2 (3GPP TS 23.281 version 17.6.0 Release 17)

TS 123 282 V17.9.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Functional architecture and information flows to support Mission Critical Data (MCData); Stage 2 (3GPP TS 23.282 version 17.9.0 Release 17)

TS 123 283 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Mission Critical Communication Interworking with Land Mobile Radio Systems (3GPP TS 23.283 version 17.3.0 Release 17)

TS 123 286 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Application layer support for Vehicle-to-Everything (V2X) services; Functional architecture and information flows (3GPP TS 23.286 version 17.3.0 Release 17)

TS 123 287 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Architecture enhancements for 5G System (5GS) to support Vehicle-to-Everything (V2X) services (3GPP TS 23.287 version 17.2.0 Release 17)

TS 123 288 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 17.4.0 Release 17)

TS 123 289 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Mission Critical services over 5G System; Stage 2 (3GPP TS 23.289 version 17.1.0 Release 17)

TS 123 303 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Proximity-based services (ProSe); Stage 2 (3GPP TS 23.303 version 17.0.0 Release 17)

TS 123 304 V17.2.1:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Proximity based Services (ProSe) in the 5G System (5GS) (3GPP TS 23.304 version 17.2.1 Release 17)

TS 123 316 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Wireless and wireline convergence access support for the 5G System (5GS) (3GPP TS 23.316 version 17.2.0 Release 17)

TS 123 333 V17.1.0:2022

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 17.1.0 Release 17)

TS 123 334 V17.1.0:2022

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 17.1.0 Release 17)

TS 123 379 V17.9.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Functional architecture and information flows to support Mission Critical Push To Talk (MCPTT); Stage 2 (3GPP TS 23.379 version 17.9.0 Release 17)

TS 123 380 V17.1.0:2022

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 17.1.0 Release 17)

TS 123 401 V17.4.0:2022

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 17.4.0 Release 17)

TS 123 402 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Architecture enhancements for non-3GPP accesses (3GPP TS 23.402 version 17.0.0 Release 17)

TS 123 434 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Service Enabler Architecture Layer for Verticals (SEAL); Functional architecture and information flows (3GPP TS 23.434 version 17.5.0 Release 17)

TS 123 501 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; System architecture for the 5G System (5GS) (3GPP TS 23.501 version 17.4.0 Release 17)

TS 123 502 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Procedures for the 5G System (5GS) (3GPP TS 23.502 version 17.4.0 Release 17)

TS 123 503 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Policy and charging control framework for the 5G System (5GS); Stage 2 (3GPP TS 23.503 version 17.4.0 Release 17)

TS 123 527 V17.3.1:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Restoration procedures (3GPP TS 23.527 version 17.3.1 Release 17)

TS 123 548 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G System Enhancements for Edge Computing; Stage 2 (3GPP TS 23.548 version 17.2.0 Release 17)

TS 123 554 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Application architecture for MSGin5G Service; Stage 2 (3GPP TS 23.554 version 17.2.0 Release 17)

TS 123 558 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Architecture for enabling Edge Applications (3GPP TS 23.558 version 17.3.0 Release 17)

TS 123 632 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; User data interworking, coexistence and migration; Stage 2 (3GPP TS 23.632 version 17.1.0 Release 17)

TS 123 682 V17.2.0:2022

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 17.2.0 Release 17)

TS 124 002 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; GSM - UMTS Public Land Mobile Network (PLMN) Access Reference Configuration (3GPP TS 24.002 version 17.0.0 Release 17)

TS 124 007 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile radio interface signalling layer 3; General Aspects (3GPP TS 24.007 version 17.3.0 Release 17)

TS 124 008 V17.6.0:2022

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 17.6.0 Release 17)

TS 124 011 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface (3GPP TS 24.011 version 17.1.0 Release 17)

TS 124 080 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile radio interface layer 3 supplementary services specification; Formats and coding (3GPP TS 24.080 version 17.3.0 Release 17)

TS 124 109 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Bootstrapping interface (Ub) and network application function interface (Ua); Protocol details (3GPP TS 24.109 version 17.1.0 Release 17)

TS 124 141 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3 (3GPP TS 24.141 version 17.0.0 Release 17)

TS 124 166 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3GPP IP Multimedia Subsystem (IMS) conferencing Management Object (MO) (3GPP TS 24.166 version 17.0.0 Release 17)

TS 124 167 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3GPP IMS Management Object (MO); Stage 3 (3GPP TS 24.167 version 17.2.0 Release 17)

TS 124 173 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; IMS Multimedia telephony communication service and supplementary services; Stage 3 (3GPP TS 24.173 version

17.2.0 Release 17)

TS 124 174 V17.5.0:2022

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 17.5.0 Release 17)

TS 124 175 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Management Object (MO) for multi-device and multi-identity in the IP Multimedia Subsystem (IMS) (3GPP TS 24.175 version 17.0.0 Release 17)

TS 124 182 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Customized Alerting Tones (CAT); Protocol specification (3GPP TS 24.182 version 17.1.0 Release 17)

TS 124 183 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS); Protocol specification (3GPP TS 24.183 version 17.1.0 Release 17)

TS 124 193 V17.4.1:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access Traffic Steering, Switching and Splitting (ATSSS); Stage 3 (3GPP TS 24.193 version 17.4.1 Release 17)

TS 124 229 V17.6.1:2022

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 17.6.1 Release 17)

TS 124 237 V17.1.1:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) service continuity; Stage 3 (3GPP TS 24.237 version 17.1.1 Release 17)

TS 124 250 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Protocol for Reliable Data Service; Stage 3 (3GPP TS 24.250 version 17.0.0 Release 17)

TS 124 257 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Uncrewed Aerial System (UAS) Application Enabler (UAE) layer; Protocol aspects; Stage 3 (3GPP TS 24.257 version 17.0.0 Release 17)

TS 124 259 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Personal Network Management (PNM); Stage 3 (3GPP TS 24.259 version 17.0.0 Release 17)

TS 124 275 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Management Object (MO) for Basic Communication Part (BCP) of IMS Multimedia Telephony (MMTEL) communication service (3GPP TS 24.275 version 17.0.0 Release 17)

TS 124 281 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Video (MCVideo) signalling control; Protocol specification (3GPP TS 24.281 version 17.6.0 Release 17)

TS 124 301 V17.6.0:2022

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 17.6.0 Release 17)

TS 124 302 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Access to the 3GPP Evolved Packet Core (EPC) via non-3GPP access networks; Stage 3 (3GPP TS 24.302 version 17.4.0 Release 17)

TS 124 334 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Proximity-services (ProSe) User Equipment (UE) to ProSe function protocol aspects; Stage 3 (3GPP TS 24.334 version 17.2.0 Release 17)

TS 124 341 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Support of SMS over IP networks; Stage 3 (3GPP TS 24.341 version 17.1.0 Release 17)

TS 124 368 V17.2.0:2022

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 17.2.0 Release 17)

TS 124 371 V17.1.0:2022

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 17.1.0 Release 17)

TS 124 379 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Push To Talk (MCPTT) call control; Protocol specification (3GPP TS 24.379 version 17.6.0 Release 17)

TS 124 380 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Push To Talk (MCPTT) media plane control; Protocol specification (3GPP TS 24.380 version 17.6.0 Release 17)

TS 124 390 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Unstructured Supplementary Service Data (USSD) using IP Multimedia (IM) Core Network (CN) subsystem IMS; Stage 3 (3GPP TS 24.390 version 17.0.0 Release 17)

TS 124 391 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Unstructured Supplementary Service Data (USSD) using IP Multimedia (IM) Core Network (CN) subsystem (IMS) Management Object (MO) (3GPP TS 24.391 version 17.0.0 Release 17)

TS 124 424 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Management Object (MO) for Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services (SS) (3GPP TS 24.424 version 17.2.0 Release 17)

TS 124 481 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) group management; Protocol specification (3GPP TS 24.481 version 17.4.0 Release 17)

TS 124 482 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) identity management; Protocol specification (3GPP TS 24.482 version 17.1.0 Release 17)

TS 124 483 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT

LTE; Mission Critical Services (MCS) Management Object (MO) (3GPP TS 24.483 version 17.6.0 Release 17)

TS 124 484 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) configuration management; Protocol specification (3GPP TS 24.484 version 17.5.0 Release 17)

TS 124 486 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Vehicle-to-Everything (V2X) Application Enabler (VAE) layer; Protocol aspects; Stage 3 (3GPP TS 24.486 version 17.3.0 Release 17)

TS 124 502 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Access to the 3GPP 5G Core Network (5GCN) via non-3GPP access networks (3GPP TS 24.502 version 17.5.0 Release 17)

TS 124 519 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System (5GS); Time-Sensitive Networking (TSN) Application Function (AF) to Device-Side TSN Translator (DS-TT) and Network-Side TSN Translator (NW-TT) protocol aspects; Stage 3 (3GPP TS 24.519 version 17.1.0 Release 17)

TS 124 526 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; User Equipment (UE) policies for 5G System (5GS); Stage 3 (3GPP TS 24.526 version 17.6.0 Release 17)

TS 124 535 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System (5GS); Device-Side Time Sensitive Networking (TSN) Translator (DS-TT) to Network-Side TSN Translator (NW-TT) protocol aspects; Stage 3 (3GPP TS 24.535 version 17.2.0 Release 17)

TS 124 539 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System (5GS); Network to TSN translator (TT) protocol aspects; Stage 3 (3GPP TS 24.539 version 17.4.0 Release 17)

TS 124 544 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Group Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.544 version 17.2.0 Release 17)

TS 124 545 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Location Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.545 version 17.2.0 Release 17)

TS 124 547 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Identity management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.547 version 17.1.0 Release 17)

TS 124 548 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Network Resource Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.548 version 17.0.0 Release 17)

TS 124 549 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Network slice capability enablement- Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification; Stage 3 (3GPP TS 24.549 version 17.0.0 Release 17)

TS 124 554 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Proximity-services (ProSe) in 5G System (5GS) protocol aspects; Stage 3 (3GPP TS 24.554 version 17.0.0 Release 17)

TS 124 555 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Proximity-services (ProSe) in 5G System (5GS); User Equipment (UE) policies; Stage 3 (3GPP TS 24.555 version 17.0.0 Release 17)

TS 124 571 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System (5GS); Control plane Location Services (LCS) procedures; Stage 3 (3GPP TS 24.571 version 17.1.0 Release 17)

TS 124 581 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Video (MCVideo) media plane control; Protocol specification (3GPP TS 24.581 version 17.2.0 Release 17)

TS 124 582 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Data (MCData) media plane control; Protocol specification (3GPP TS 24.582 version 17.1.0 Release 17)

TS 124 587 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Vehicle-to-Everything (V2X) services in 5G System (5GS); Stage 3 (3GPP TS 24.587 version 17.5.0 Release 17)

TS 124 588 V17.0.0:2022

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 17.0.0 Release 17)

TS 124 604 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Communication Diversion (CDIV) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.604 version 17.0.0 Release 17)

TS 124 611 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.611 version 17.0.0 Release 17)

TS 124 623 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services (3GPP TS 24.623 version 17.2.0 Release 17)

TS 124 628 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Common Basic Communication procedures using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.628 version 17.0.0 Release 17)

TS 125 201 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical layer - general description (3GPP TS 25.201 version 17.0.0 Release 17)

TS 125 202 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); 7.68 Mcps Time Division Duplex (TDD) option; Overall description: Stage 2 (3GPP TS 25.202 version 17.0.0 Release 17)

TS 125 211 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical channels and mapping of transport channels onto physical channels (FDD) (3GPP TS 25.211 version 17.0.0 Release 17)

TS 125 212 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN

Universal Mobile Telecommunications System (UMTS); Multiplexing and channel coding (FDD) (3GPP TS 25.212 version 17.0.0 Release 17)

TS 125 213 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Spreading and modulation (FDD) (3GPP TS 25.213 version 17.0.0 Release 17)

TS 125 214 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical layer procedures (FDD) (3GPP TS 25.214 version 17.0.0 Release 17)

TS 125 215 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical layer; Measurements (FDD) (3GPP TS 25.215 version 17.0.0 Release 17)

TS 125 221 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical channels and mapping of transport channels onto physical channels (TDD) (3GPP TS 25.221 version 17.0.0 Release 17)

TS 125 222 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Multiplexing and channel coding (TDD) (3GPP TS 25.222 version 17.0.0 Release 17)

TS 125 223 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Spreading and modulation (TDD) (3GPP TS 25.223 version 17.0.0 Release 17)

TS 125 224 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical layer procedures (TDD) (3GPP TS 25.224 version 17.0.0 Release 17)

TS 125 225 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical layer; Measurements (TDD) (3GPP TS 25.225 version 17.0.0 Release 17)

TS 125 300 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Universal Terrestrial Radio Access Network (UTRAN); General description; Stage 2 (3GPP TS 25.300 version 17.0.0 Release 17)

TS 125 301 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System

(UMTS); Radio interface protocol architecture (3GPP TS 25.301 version 17.0.0 Release 17)

TS 125 302 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Services provided by the physical layer (3GPP TS 25.302 version 17.0.0 Release 17)

TS 125 303 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Interlayer procedures in Connected Mode (3GPP TS 25.303 version 17.0.0 Release 17)

TS 125 304 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode (3GPP TS 25.304 version 17.0.0 Release 17)

TS 125 305 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Stage 2 functional specification of User Equipment (UE) positioning in UTRAN (3GPP TS 25.305 version 17.0.0 Release 17)

TS 125 306 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UE Radio Access capabilities (3GPP TS 25.306 version 17.0.0 Release 17)

TS 125 307 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 25.307 version 17.0.0 Release 17)

TS 125 308 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2 (3GPP TS 25.308 version 17.0.0 Release 17)

TS 125 319 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Enhanced uplink; Overall description; Stage 2 (3GPP TS 25.319 version 17.0.0 Release 17)

TS 125 321 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Medium Access Control (MAC) protocol

specification (3GPP TS 25.321 version 17.0.0 Release 17)

TS 125 322 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Radio Link Control (RLC) protocol specification (3GPP TS 25.322 version 17.0.0 Release 17)

TS 125 323 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Packet Data Convergence Protocol (PDCP) specification (3GPP TS 25.323 version 17.0.0 Release 17)

TS 125 324 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Broadcast/Multicast Control (BMC) (3GPP TS 25.324 version 17.0.0 Release 17)

TS 125 327 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); High Speed Packet Access (HSPA); Requirements on User Equipments (UEs) supporting a release-independent frequency band and multi-carrier configuration (3GPP TS 25.327 version 17.0.0 Release 17)

TS 125 331 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Radio Resource Control (RRC); Protocol specification (3GPP TS 25.331 version 17.0.0 Release 17)

TS 125 346 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Introduction of the Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN); Stage 2 (3GPP TS 25.346 version 17.0.0 Release 17)

TS 125 367 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Mobility procedures for Home Node B (HNB); Overall description; Stage 2 (3GPP TS 25.367 version 17.0.0 Release 17)

TS 125 421 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface layer 1 (3GPP TS 25.421 version 17.0.0 Release 17)

TS 125 423 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System

(UMTS); UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling (3GPP TS 25.423 version 17.0.0 Release 17)

TR 125 903 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Continuous connectivity for packet data users (3GPP TR 25.903 version 17.0.0 Release 17)

TR 125 912 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Feasibility study for evolved Universal Terrestrial Radio Access (UTRA) and Universal Terrestrial Radio Access Network (UTRAN) (3GPP TR 25.912 version 17.0.0 Release 17)

TR 125 929 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Continuous connectivity for packet data users; 1.28 Mcps TDD (3GPP TR 25.929 version 17.0.0 Release 17)

TR 125 992 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements (3GPP TR 25.992 version 17.0.0 Release 17)

TR 125 993 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA) (3GPP TR 25.993 version 17.0.0 Release 17)

TR 125 996 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Spatial channel model for Multiple Input Multiple Output (MIMO) simulations (3GPP TR 25.996 version 17.0.0 Release 17)

TS 126 071 V17.0.0:2022

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; AMR speech Codec; General description (3GPP TS 26.071 version 17.0.0 Release 17)

TS 126 073 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase

2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; ANSI-C code for the Adaptive Multi Rate (AMR) speech codec (3GPP TS 26.073 version 17.0.0 Release 17)

TS 126 074 V17.0.1:2022

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 test sequences (3GPP TS 26.074 version 17.0.1 Release 17)

TS 126 077 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Minimum performance requirements for Noise Suppressor; Application to the Adaptive Multi-Rate (AMR) speech encoder (3GPP TS 26.077 version 17.0.0 Release 17)

TS 126 090 V17.0.0:2022

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; Transcoding functions (3GPP TS 26.090 version 17.0.0 Release 17)

TS 126 091 V17.0.0:2022

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; Error concealment of lost frames (3GPP TS 26.091 version 17.0.0 Release 17)

TS 126 092 V17.0.0:2022

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; Comfort noise aspects (3GPP TS 26.092 version 17.0.0 Release 17)

TS 126 093 V17.0.0:2022

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 17.0.0 Release 17)

TS 126 094 V17.0.0:2022

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; Voice Activity Detector (VAD) (3GPP TS 26.094 version 17.0.0 Release 17)

TS 126 101 V17.0.0:2022

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 frame structure (3GPP TS 26.101 version 17.0.0 Release 17)

TS 126 102 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mandatory speech codec; Adaptive Multi-Rate (AMR) speech codec; Interface to lu, Uu and Nb (3GPP TS 26.102 version 17.0.0 Release 17)

TS 126 103 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Speech codec list for GSM and UMTS (3GPP TS 26.103 version 17.0.0 Release 17)

TS 126 104 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec (3GPP TS 26.104 version 17.0.0 Release 17)

TS 126 110 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Codec for circuit switched multimedia telephony service; General description (3GPP TS 26.110 version 17.0.0 Release 17)

TS 126 111 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Codec for circuit switched multimedia telephony service; Modifications to H.324 (3GPP TS 26.111 version 17.0.0 Release 17)

TS 126 115 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Echo control for speech and multimedia services (3GPP TS 26.115 version 17.0.0 Release 17)

TS 126 117 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Media Streaming (5GMS); Speech and audio profiles (3GPP TS 26.117 version 17.0.0 Release 17)

TS 126 118 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Virtual Reality (VR) profiles for streaming applications (3GPP TS 26.118 version 17.0.0 Release 17)

TS 126 131 V17.1.1:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Terminal acoustic characteristics for telephony; Requirements (3GPP TS 26.131 version 17.1.1 Release 17)

TS 126 139 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Real-time Transport Protocol (RTP) / RTP Control Protocol (RTCP) verification procedures (3GPP TS 26.139 version 17.0.0 Release 17)

TS 126 140 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia Messaging Service (MMS); Media formats and codecs (3GPP TS 26.140 version 17.0.0 Release 17)

TS 126 141 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs (3GPP TS 26.141 version 17.0.0 Release 17)

TS 126 142 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Dynamic and Interactive Multimedia Scenes (DIMS) (3GPP TS 26.142 version 17.0.0 Release 17)

TS 126 150 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Syndicated Feed Reception (SFR) within 3GPP environments; Protocols and codecs (3GPP TS 26.150 version 17.0.0 Release 17)

TS 126 171 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; General description (3GPP TS 26.171 version 17.0.0 Release 17)

TS 126 173 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-WB) speech codec (3GPP TS 26.173 version 17.0.0 Release 17)

TS 126 174 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec test sequences (3GPP TS 26.174 version 17.0.0 Release 17)

TS 126 177 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 5G; Speech Enabled Services (SES); Distributed Speech Recognition (DSR) extended advanced front-end test sequences (3GPP TS 26.177 version 17.0.0 Release 17)

TS 126 179 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Mission Critical Push To Talk (MCPTT); Codecs and media handling (3GPP TS 26.179 version 17.0.0 Release 17)

TS 126 190 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Transcoding functions (3GPP TS 26.190 version 17.0.0 Release 17)

TS 126 191 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Error concealment of erroneous or lost frames (3GPP

TS 26.191 version 17.0.0 Release 17)

TS 126 192 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Comfort noise aspects (3GPP TS 26.192 version 17.0.0 Release 17)

TS 126 193 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Source controlled rate operation (3GPP TS 26.193 version 17.0.0 Release 17)

TS 126 194 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Voice Activity Detector (VAD) (3GPP TS 26.194 version 17.0.0 Release 17)

TS 126 201 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Frame structure (3GPP TS 26.201 version 17.0.0 Release 17)

TS 126 202 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Interface to lu, Uu and Nb (3GPP TS 26.202 version 17.0.0 Release 17)

TS 126 204 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; ANSI-C code (3GPP TS 26.204 version 17.0.0 Release 17)

TS 126 223 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telepresence using the IP Multimedia Subsystem (IMS); Media handling and interaction (3GPP TS 26.223 version 17.0.0 Release 17)

TS 126 226 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Cellular text telephone modem; General description (3GPP TS 26.226 version 17.0.0 Release 17)

TS 126 230 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Cellular text telephone modem; Transmitter bit exact C-code (3GPP TS 26.230 version 17.0.0 Release 17)

TS 126 231 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Cellular text telephone modem; Minimum performance requirements (3GPP TS 26.231 version 17.0.0 Release 17)

TS 126 234 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end Packet-switched Streaming Service (PSS); Protocols and codecs (3GPP TS 26.234 version 17.0.0 Release 17)

TS 126 237 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia Subsystem (IMS) based Packet Switch Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) User Service; Protocols (3GPP TS 26.237 version 17.0.0 Release 17)

TS 126 238 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Uplink streaming (3GPP TS 26.238 version 17.0.0 Release 17)

TS 126 243 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; ANSI-C code for the fixed-point distributed speech recognition extended advanced front-end (3GPP TS 26.243 version 17.0.0 Release 17)

TS 126 244 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP) (3GPP TS 26.244 version 17.0.0 Release 17)

TS 126 245 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Transparent end-to-end Packet switched Streaming Service (PSS); Timed text format (3GPP TS 26.245 version 17.0.0 Release 17)

TS 126 246 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile (3GPP TS 26.246 version 17.0.0 Release 17)

TS 126 259 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Subjective test methodologies for the evaluation of immersive audio systems (3GPP TS 26.259 version 17.0.0 Release 17)

TS 126 260 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Objective test methodologies for the evaluation of immersive audio systems (3GPP TS 26.260 version 17.0.0 Release 17)

TS 126 267 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution; General description (3GPP TS 26.267 version 17.0.0 Release 17)

TS 126 268 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution; ANSI-C reference code (3GPP TS 26.268 version 17.0.0 Release 17)

TS 126 269 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution; Conformance testing (3GPP TS 26.269 version 17.0.0 Release 17)

TS 126 273 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; ANSI-C code for the fixed-point Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec (3GPP TS 26.273 version 17.0.0 Release 17)

TS 126 274 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec; Conformance testing (3GPP TS 26.274 version 17.0.0 Release 17)

TS 126 281 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mission Critical Video (MCVideo); Codecs and media handling (3GPP TS 26.281 version 17.0.0 Release 17)

TS 126 290 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions (3GPP TS 26.290 version 17.0.0 Release 17)

TS 126 304 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Floating-point ANSI-C code (3GPP TS 26.304 version 17.0.0 Release 17)

TS 126 307 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Presentation layer for 3GPP services (3GPP TS 26.307 version 17.0.0 Release 17)

TS 126 346 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs (3GPP TS 26.346 version 17.0.0 Release 17)

TS 126 348 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Northbound Application Programming Interface (API) for Multimedia Broadcast/Multicast Service (MBMS) at the xMB reference point (3GPP TS 26.348 version 17.0.0 Release 17)

TS 126 401 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description (3GPP TS 26.401 version 17.0.0 Release 17)

TS 126 402 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools (3GPP TS 26.402 version 17.0.0 Release 17)

TS 126 403 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part (3GPP TS 26.403 version 17.0.0 Release 17)

TS 126 404 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced aacPlus general audio codec; Enhanced aacPlus encoder Spectral Band Replication (SBR) part (3GPP TS 26.404 version 17.0.0 Release 17)

TS 126 405 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification parametric stereo part (3GPP TS 26.405 version 17.0.0 Release 17)

TS 126 406 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced aacPlus general audio codec; Conformance testing (3GPP TS 26.406 version 17.0.0 Release 17)

TS 126 410 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced aacPlus

general audio codec; Floating-point ANSI-C code (3GPP TS 26.410 version 17.0.0 Release 17)

TS 126 411 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced aacPlus general audio codec; Fixed-point ANSI-C code (3GPP TS 26.411 version 17.0.0 Release 17)

TS 126 412 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Source code for 3GP file format (3GPP TS 26.412 version 17.0.0 Release 17)

TS 126 430 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Timed graphics (3GPP TS 26.430 version 17.0.0 Release 17)

TS 126 441 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); General overview (3GPP TS 26.441 version 17.0.0 Release 17)

TS 126 442 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); ANSI C code (fixed-point) (3GPP TS 26.442 version 17.0.0 Release 17)

TS 126 443 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); ANSI C code (floating-point) (3GPP TS 26.443 version 17.0.0 Release 17)

TS 126 444 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Test sequences (3GPP TS 26.444 version 17.0.0 Release 17)

TS 126 445 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Detailed algorithmic description (3GPP TS 26.445 version 17.0.0 Release 17)

TS 126 446 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System

(UMTS); LTE; Codec for Enhanced Voice Services (EVS); Adaptive Multi-Rate - Wideband (AMR-WB) backward compatible functions (3GPP TS 26.446 version 17.0.0 Release 17)

TS 126 447 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Error concealment of lost packets (3GPP TS 26.447 version 17.0.0 Release 17)

TS 126 448 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Jitter Buffer Management (3GPP TS 26.448 version 17.0.0 Release 17)

TS 126 449 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Comfort Noise Generation (CNG) aspects (3GPP TS 26.449 version 17.0.0 Release 17)

TS 126 450 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Discontinuous Transmission (DTX) (3GPP TS 26.450 version 17.0.0 Release 17)

TS 126 451 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); Voice Activity Detection (VAD) (3GPP TS 26.451 version 17.0.0 Release 17)

TS 126 452 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); ANSI C code; Alternative fixed-point using updated basic operators (3GPP TS 26.452 version 17.0.0 Release 17)

TS 126 453 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Speech codec frame structure (3GPP TS 26.453 version 17.0.0 Release 17)

TS 126 454 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Interface to Iu, Uu, Nb and Mb (3GPP TS 26.454 version 17.0.0 Release 17)

TS 126 501 V16.10.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Media Streaming (5GMS); General description and architecture (3GPP TS 26.501 version 16.10.0 Release 16)

TS 126 502 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Multicast-Broadcast User Service Architecture (3GPP TS 26.502 version 17.0.0 Release 17)

TR 126 902 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Video codec performance (3GPP TR 26.902 version 17.0.0 Release 17)

TR 126 903 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Improved video support for Packet Switched Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) Services (3GPP TR 26.903 version 17.0.0 Release 17)

TR 126 904 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Improved video coding support (3GPP TR 26.904 version 17.0.0 Release 17)

TR 126 905 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile stereoscopic 3D video (3GPP TR 26.905 version 17.0.0 Release 17)

TR 126 906 V17.0.0:2022

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 17.0.0 Release 17)

TR 126 907 V17.0.0:2022

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 17.0.0 Release 17)

TR 126 909 V17.0.0:2022

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 17.0.0 Release 17)

TR 126 910 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 LTE; 5G; Study on media handling aspects of Radio Access Network (RAN) delay budget reporting in Multimedia Telephony Service for Internet Protocol (IP) Multimedia Subsystem (IMS) (MTSI) (3GPP TR 26.910 version 17.0.0 Release 17)

TR 126 911 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Codec(s) for Circuit-Switched (CS) multimedia telephony service; Terminal implementorâ€™s guide (3GPP TR 26.911 version 17.0.0 Release 17)

TR 126 914 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia telephony over IP Multimedia Subsystem (IMS); Optimization opportunities (3GPP TR 26.914 version 17.0.0 Release 17)

TR 126 917 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 LTE; 5G; Multimedia Broadcast Multicast Services (MBMS) and Packet-switched Streaming Service (PSS) enhancements to support television services (3GPP TR 26.917 version 17.0.0 Release 17)

TR 126 918 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Virtual Reality (VR) media services over 3GPP (3GPP TR 26.918 version 17.0.0 Release 17)

TR 126 919 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 5G; Study on media handling aspects of conversational services in 5G systems (3GPP TR 26.919 version 17.0.0 Release 17)

TR 126 921 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Investigations on ambient noise reproduction systems for acoustic testing of terminals (3GPP TR 26.921 version 17.0.0 Release 17)

TR 126 922 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Video telephony robustness improvements extensions; Performance evaluation (3GPP TR 26.922 version 17.0.0 Release 17)

TR 126 923 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Study on media handling aspects of IP Multimedia Subsystem (IMS) based telepresence (3GPP TR 26.923 version 17.0.0 Release 17)

TR 126 924 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia telephony over IP Multimedia Subsystem (IMS); Study on improved end-to-end Quality of Service (QoS) handling for Multimedia Telephony Service for IMS (MTSI) (3GPP TR 26.924 version 17.0.0 Release 17)

TR 126 928 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 5G; Extended Reality (XR) in 5G (3GPP TR 26.928 version 17.0.0 Release 17)

TR 126 929 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 5G; QoE parameters and metrics relevant to the Virtual Reality (VR) user experience (3GPP TR 26.929 version 17.0.0 Release 17)

TR 126 931 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evaluation of Additional Acoustic Tests for Speech Telephony (3GPP TR 26.931 version 17.0.0 Release 17)

TR 126 935 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Packet Switched (PS) conversational multimedia applications; Performance characterisation of default codecs (3GPP TR 26.935 version 17.0.0 Release 17)

TR 126 936 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Performance characterization of 3GPP audio codecs (3GPP TR 26.936 version 17.0.0 Release 17)

TR 126 937 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Transparent end-to-end Packet-switched Streaming Service (PSS); Real-time Transport Protocol (RTP) usage model (3GPP TR 26.937 version 17.0.0 Release 17)

TR 126 938 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Packet-switched Streaming Service (PSS); Improved support for dynamic adaptive streaming over HTTP in 3GPP (3GPP TR 26.938 version 17.0.0 Release 17)

TR 126 939 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Guidelines on the Framework for Live Uplink Streaming (FLUS) (3GPP TR 26.939 version 17.0.0 Release 17)

TR 126 943 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Recognition performance evaluations of codecs for Speech Enabled Services (SES) (3GPP TR 26.943 version 17.0.0 Release 17)

TR 126 944 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; End-to-end multimedia services performance metrics (3GPP TR 26.944 version 17.0.0 Release 17)

TR 126 946 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia Broadcast/Multicast Service (MBMS) user service guidelines (3GPP TR 26.946 version 17.0.0 Release 17)

TR 126 947 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia Broadcast/Multicast Service (MBMS); Selection and characterisation of application layer Forward Error Correction (FEC) (3GPP TR 26.947 version 17.0.0 Release 17)

TR 126 948 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Study on video enhancements in 3GPP multimedia services (3GPP TR 26.948 version 17.0.0 Release 17)

TR 126 949 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Video formats for 3GPP services (3GPP TR 26.949 version 17.0.0 Release 17)

TR 126 950 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Study on Surround Sound codec extension for Packet Switched Streaming Service (PSS) and Multimedia Broadcast/Multicast Service (MBMS) (3GPP TR 26.950 version 17.0.0 Release 17)

TR 126 952 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Performance characterization (3GPP TR 26.952 version 17.0.0 Release 17)

TR 126 953 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Interactivity support for 3GPP-based streaming and download services (3GPP TR 26.953 version 17.0.0 Release 17)

TR 126 954 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Test plan for speech quality and delay through a headset electrical interface (3GPP TR 26.954 version 17.0.0 Release 17)

TR 126 957 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Study on Server And Network-assisted Dynamic Adaptive Streaming over HTTP (DASH) (SAND) for 3GPP multimedia services (3GPP TR 26.957 version 17.0.0 Release 17)

TR 126 959 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Study on enhanced Voice over LTE (VoLTE) performance (3GPP TR 26.959 version 17.0.0 Release 17)

TR 126 967 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution (3GPP TR 26.967 version 17.0.0 Release 17)

TR 126 969 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution; Characterization report (3GPP TR 26.969 version 17.0.0 Release 17)

TR 126 973 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Update to fixed-point basic operators (3GPP TR 26.973 version 17.0.0 Release 17)

TR 126 975 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Performance characterization of the Adaptive Multi-Rate (AMR) speech codec (3GPP TR 26.975 version 17.0.0 Release 17)

TR 126 976 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec (3GPP TR 26.976 version 17.0.0 Release 17)

TR 126 978 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Results of the Adaptive Multi-Rate (AMR) noise suppression selection phase (3GPP TR 26.978 version 17.0.0 Release 17)

TR 126 980 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia telephony over IP Multimedia Subsystem (IMS); Media handling aspects of multi-stream multiparty conferencing for Multimedia Telephony Service for IMS (MTSI) (3GPP TR 26.980 version 17.0.0 Release 17)

TR 126 981 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; MBMS Extensions for Provisioning and Content Ingestion (3GPP TR 26.981 version 17.0.0 Release 17)

TR 126 985 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Vehicle-to-everything (V2X); Media handling and interaction (3GPP TR 26.985 version 17.0.0 Release 17)

TR 126 989 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mission Critical Push To Talk (MCPTT); Media, codecs and Multimedia Broadcast/Multicast Service (MBMS) enhancements for MCPTT over LTE (3GPP TR 26.989 version 17.0.0 Release 17)

TR 126 999 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; LTE; Virtual Reality (VR) streaming interoperability and characterization (3GPP TR 26.999 version 17.0.0 Release 17)

TS 127 007 V17.5.0:2022

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 17.5.0 Release 17)

TS 128 062 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3 (3GPP TS 28.062 version 17.0.0 Release 17)

TS 128 100 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Levels of autonomous network (3GPP TS 28.100 version 17.0.0 Release 17)

TS 128 310 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; LTE; Management and orchestration; Energy efficiency of 5G (3GPP TS 28.310 version 17.3.0 Release 17)

TS 128 313 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Self-Organizing Networks (SON) for 5G networks (3GPP TS 28.313 version 17.4.0 Release 17)

TS 128 314 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Plug and Connect; Concepts and requirements (3GPP TS 28.314 version 17.0.0 Release 17)

TS 128 315 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Plug and Connect; Procedure flows (3GPP TS 28.315 version 17.0.0 Release 17)

TS 128 316 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Plug and Connect; Data formats (3GPP TS 28.316 version 17.0.0 Release 17)

TS 128 404 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Quality of Experience (QoE) measurement collection; Concepts, use cases and requirements (3GPP TS 28.404 version 17.1.0 Release 17)

TS 128 405 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Quality of Experience (QoE) measurement collection; Control and configuration (3GPP TS 28.405 version 17.1.0 Release 17)

TS 128 530 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Concepts, use cases and requirements (3GPP TS 28.530 version 17.2.0 Release 17)

TS 128 531 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Provisioning (3GPP TS 28.531 version 17.3.0 Release 17)

TS 128 532 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Generic management services (3GPP TS 28.532 version 17.0.0 Release 17)

TS 128 533 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Architecture framework (3GPP TS 28.533 version 17.2.0 Release 17)

TS 128 535 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; LTE; Management and orchestration; Management services for communication service assurance; Requirements (3GPP TS 28.535 version 17.4.0 Release 17)

TS 128 536 V17.2.0:2022

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 17.2.0 Release 17)

TS 128 537 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Management capabilities (3GPP TS 28.537 version 17.2.0 Release 17)

TS 128 538 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Edge Computing Management (3GPP TS 28.538 version 17.0.0 Release 17)

TS 128 540 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 1 (3GPP TS 28.540 version 17.2.0 Release 17)

TS 128 541 V16.11.2:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 16.11.2 Release 16)

TS 128 541 V16.12.2:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 16.12.2 Release 16)

TS 128 541 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 17.6.0 Release 17)

TS 128 545 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Fault Supervision (FS) (3GPP TS 28.545 version 17.0.0 Release 17)

TS 128 552 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G performance measurements (3GPP TS 28.552 version 17.6.0 Release 17)

TS 128 554 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 17.6.0 Release 17)

TS 128 555 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Network policy management for 5G mobile networks; Stage 1 (3GPP TS 28.555 version 17.0.0 Release 17)

TS 128 556 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Network policy management for 5G mobile networks; Stage 2 and stage 3 (3GPP TS 28.556 version 17.0.0 Release 17)

TS 128 557 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Management of Non-Public Networks (NPN); Stage 1 and stage 2 (3GPP TS 28.557 version 17.0.0 Release 17)

TS 128 622 V17.1.1:2022

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 17.1.1 Release 17)

TS 128 623 V17.1.0:2022

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 17.1.0 Release 17)

TS 128 658 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.658 version 17.0.0 Release 17)

TS 129 002 V17.1.0:2022

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 17.1.0 Release 17)

TS 129 060 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface (3GPP TS 29.060 version 17.2.0 Release 17)

TS 129 061 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN) (3GPP TS 29.061 version 17.6.0 Release 17)

TS 129 079 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Optimal media routing within the IP Multimedia Subsystem (IMS); Stage 3 (3GPP TS 29.079 version 17.0.0 Release 17)

TS 129 116 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
 LTE; 5G; Representational state transfer over xMB reference point between content provider and BM-SC (3GPP TS 29.116 version 17.1.0 Release 17)

TS 129 122 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; T8 reference point for Northbound APIs (3GPP TS 29.122 version 17.5.0 Release 17)

TS 129 155 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 LTE; Traffic steering control; Representational State Transfer (REST) over St reference point (3GPP TS 29.155 version 17.0.0 Release 17)

TS 129 162 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Interworking between the IM CN subsystem and IP networks (3GPP TS 29.162 version 17.0.0 Release 17)

TS 129 163 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (3GPP TS 29.163 version 17.3.0 Release 17)

TS 129 165 V17.3.0:2022

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 17.3.0 Release 17)

TS 129 168 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Cell Broadcast Centre interfaces with the Evolved Packet Core; Stage 3 (3GPP TS 29.168 version 17.1.0 Release 17)

TS 129 171 V17.0.0:2022

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 17.0.0 Release 17)

TS 129 201 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; Representational State Transfer (REST) reference point between Application Function (AF) and Protocol Converter (PC) (3GPP TS 29.201 version 17.0.0 Release 17)

TS 129 212 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Policy and Charging Control (PCC); Reference points (3GPP TS 29.212 version 17.2.0 Release 17)

TS 129 213 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping (3GPP TS 29.213 version 17.2.0 Release 17)

TS 129 214 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Policy and charging control over Rx reference point (3GPP TS 29.214 version 17.3.0 Release 17)

TS 129 222 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; LTE; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 17.4.0 Release 17)

TS 129 228 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents (3GPP TS 29.228 version 17.1.0 Release 17)

TS 129 229 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Cx and Dx interfaces based on the Diameter protocol; Protocol details (3GPP TS 29.229 version 17.1.0 Release 17)

TS 129 230 V17.2.0:2022

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 17.2.0 Release 17)

TS 129 232 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3 (3GPP TS 29.232 version 17.0.0 Release 17)

TS 129 235 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Interworking between SIP-I based circuit-switched core network and other networks (3GPP TS 29.235 version 17.0.0 Release 17)

TS 129 238 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Interconnection Border Control Functions (IBCF) - Transition Gateway (TrGW) interface, Ix interface; Stage 3 (3GPP TS 29.238 version 17.0.0 Release 17)

TS 129 240 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 3GPP Generic User Profile (GUP); Stage 3; Network (3GPP TS 29.240 version 17.0.0 Release 17)

TS 129 244 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 17.4.0 Release 17)

TS 129 251 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Gw and Gwn reference point for sponsored data connectivity (3GPP TS 29.251 version 17.2.0 Release 17)

TS 129 255 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Uncrewed Aerial System Service Supplier (USS) Services; Stage 3 (3GPP TS 29.255 version 17.0.0 Release 17)

TS 129 256 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Uncrewed Aerial Systems Network Function (UAS-NF); Aerial Management Services; Stage 3 (3GPP TS 29.256 version 17.0.0 Release 17)

TS 129 257 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Application layer support for Uncrewed Aerial System (UAS); UAS Application Enabler (UAE) Server Services; Stage 3 (3GPP TS 29.257 version 17.0.0 Release 17)

TS 129 272 V17.2.0:2022

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 17.2.0 Release 17)

TS 129 273 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evolved Packet System (EPS); 3GPP EPS AAA interfaces (3GPP TS 29.273 version 17.2.0 Release 17)

TS 129 274 V17.5.0:2022

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 17.5.0 Release 17)

TS 129 281 V17.2.0:2022

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 17.2.0 Release 17)

TS 129 292 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Interworking between the IP Multimedia (IM) Core Network (CN) subsystem (IMS) and MSC Server for IMS Centralized Services (ICS) (3GPP TS 29.292 version 17.0.0 Release 17)

TS 129 303 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Domain Name System Procedures; Stage 3 (3GPP TS 29.303 version 17.3.0 Release 17)

TS 129 309 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 5G; Bootstrapping Server Function (GBA BSF) Services (3GPP TS 29.309 version 17.0.0 Release 17)

TS 129 328 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia (IM) Subsystem Sh interface; Signalling flows and message contents (3GPP TS 29.328 version 17.3.0 Release 17)

TS 129 332 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Media Gateway Control Function (MGCF) - IM Media Gateway; Mn interface (3GPP TS 29.332 version 17.0.0 Release 17)

TS 129 333 V17.0.0:2022

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 17.0.0 Release 17)

TS 129 334 V17.1.0:2022

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 17.1.0 Release 17)

TS 129 335 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; User Data Convergence (UDC); User data repository access protocol over the Ud interface; Stage 3 (3GPP TS 29.335 version 17.0.0 Release 17)

TS 129 336 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; Home Subscriber Server (HSS) diameter interfaces for interworking with packet data networks and applications (3GPP TS 29.336 version 17.3.0 Release 17)

TS 129 338 V17.0.0:2022

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 17.0.0 Release 17)

TS 129 379 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
 LTE; 5G; Mission Critical Push To Talk (MCPTT) call control interworking with Land Mobile Radio (LMR) systems; Stage-3 (3GPP TS 29.379 version 17.4.0 Release 17)

TS 129 380 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 LTE; 5G; Mission Critical Push To Talk (MCPTT) media plane control interworking with Land Mobile Radio (LMR) systems; Stage 3 (3GPP TS 29.380 version 17.0.0 Release 17)

TS 129 468 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; Group Communication System Enablers for LTE (GCSE_LTE); MB2 reference point; Stage 3 (3GPP TS 29.468 version 17.1.0)

Release 17)

TS 129 486 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; V2X Application Enabler (VAE)
Services; Stage 3 (3GPP TS 29.486 version
17.4.0 Release 17)

TS 129 500 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Technical Realization of Service
Based Architecture; Stage 3 (3GPP TS 29.500
version 17.6.0 Release 17)

TS 129 501 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Principles and Guidelines for
Services Definition; Stage 3 (3GPP TS 29.501
version 17.5.0 Release 17)

TS 129 502 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Services;
Stage 3 (3GPP TS 29.502 version 17.4.0 Release
17)

TS 129 503 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Unified Data Management
Services; Stage 3 (3GPP TS 29.503 version
17.6.0 Release 17)

TS 129 504 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Unified Data Repository
Services; Stage 3 (3GPP TS 29.504 version
17.6.0 Release 17)

TS 129 505 V17.6.0:2022

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 17.6.0 Release 17)

TS 129 507 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access and Mobility Policy
Control Service; Stage 3 (3GPP TS 29.507
version 16.11.0 Release 16)

TS 129 507 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access and Mobility Policy
Control Service; Stage 3 (3GPP TS 29.507
version 17.6.0 Release 17)

TS 129 508 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Event
Exposure Service; Stage 3 (3GPP TS 29.508
version 17.6.0 Release 17)

TS 129 510 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network function repository
services; Stage 3 (3GPP TS 29.510 version
17.5.0 Release 17)

TS 129 511 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Equipment Identity Register
Services; Stage 3 (3GPP TS 29.511 version
17.2.0 Release 17)

TS 129 512 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Policy
Control Service; Stage 3 (3GPP TS 29.512
version 17.6.0 Release 17)

TS 129 513 V17.6.0:2022

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 17.6.0 Release
17)

TS 129 514 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Policy Authorization Service;
Stage 3 (3GPP TS 29.514 version 17.4.0 Release
17)

TS 129 515 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Gateway Mobile Location
Services; Stage 3 (3GPP TS 29.515 version
17.4.0 Release 17)

TS 129 517 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Application Function Event
Exposure Service; Stage 3 (3GPP TS 29.517
version 17.5.0 Release 17)

TS 129 518 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access and Mobility
Management Services; Stage 3 (3GPP TS 29.518
version 17.5.0 Release 17)

TS 129 519 V17.6.0:2022

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 17.6.0 Release 17)

TS 129 520 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Data Analytics Services;
Stage 3 (3GPP TS 29.520 version 17.6.0 Release
17)

TS 129 521 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT

5G; 5G System; Binding Support Management Service; Stage 3 (3GPP TS 29.521 version 17.4.0 Release 17)

TS 129 522 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Exposure Function Northbound APIs; Stage 3 (3GPP TS 29.522 version 17.5.0 Release 17)

TS 129 523 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Policy Control Event Exposure Service; Stage 3 (3GPP TS 29.523 version 17.6.0 Release 17)

TS 129 524 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Cause codes mapping between 5GC interfaces; Stage 3 (3GPP TS 29.524 version 17.3.0 Release 17)

TS 129 525 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; UE Policy Control Service; Stage 3 (3GPP TS 29.525 version 17.6.0 Release 17)

TS 129 526 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Slice-Specific and SNPN Authentication and Authorization services; Stage 3 (3GPP TS 29.526 version 17.4.0 Release 17)

TS 129 531 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Slice Selection Services; Stage 3 (3GPP TS 29.531 version 17.4.0 Release 17)

TS 129 532 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; 5G Multicast-Broadcast Session Management Services; Stage 3 (3GPP TS 29.532 version 17.0.0 Release 17)

TS 129 534 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access and Mobility Policy Authorization Service; Stage 3 (3GPP TS 29.534 version 17.0.0 Release 17)

TS 129 535 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; AKMA Anchor Services; Stage 3 (3GPP TS 29.535 version 17.4.0 Release 17)

TS 129 536 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Slice Admission Control Services; Stage 3 (3GPP TS 29.536 version 17.0.0 Release 17)

TS 129 538 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Enabling MSGin5G Service; Application Programming Interfaces (API) specification; Stage 3 (3GPP TS 29.538 version 17.0.0 Release 17)

TS 129 540 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; SMS Services; Stage 3 (3GPP TS 29.540 version 17.4.0 Release 17)

TS 129 541 V17.2.0:2022

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 17.2.0 Release 17)

TS 129 542 V17.3.0:2022

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 17.3.0 Release 17)

TS 129 544 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Secured Packet Application Function (SP-AF) services; Stage 3 (3GPP TS 29.544 version 17.2.0 Release 17)

TS 129 549 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; LTE; Service Enabler Architecture Layer for Verticals (SEAL); Application Programming Interface (API) specification; Stage 3 (3GPP TS 29.549 version 17.4.0 Release 17)

TS 129 550 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Steering of roaming application function services; Stage 3 (3GPP TS 29.550 version 17.3.0 Release 17)

TS 129 551 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Packet Flow Description Management Service; Stage 3 (3GPP TS 29.551 version 17.6.0 Release 17)

TS 129 552 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Data Analytics signalling flows; Stage 3 (3GPP TS 29.552 version 17.0.0 Release 17)

TS 129 554 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Background Data Transfer Policy Control Service; Stage 3 (3GPP TS 29.554 version 17.3.0 Release 17)

TS 129 555 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; 5G Direct Discovery Name

Management Services; Stage 3 (3GPP TS 29.555 version 17.0.0 Release 17)

TS 129 556 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Edge Application Server Discovery Services; Stage 3 (3GPP TS 29.556 version 17.0.0 Release 17)

TS 129 557 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Application Function ProSe Service; Stage 3 (3GPP TS 29.557 version 17.0.0 Release 17)

TS 129 561 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Interworking between 5G Network and external Data Networks; Stage 3 (3GPP TS 29.561 version 17.5.0 Release 17)

TS 129 562 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Home Subscriber Server (HSS) services; Stage 3 (3GPP TS 29.562 version 17.4.0 Release 17)

TS 129 563 V17.4.0:2022

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 17.4.0 Release 17)

TS 129 564 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; User Plane Function Services; Stage 3 (3GPP TS 29.564 version 17.0.0 Release 17)

TS 129 571 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Common Data Types for Service Based Interfaces; Stage 3 (3GPP TS 29.571 version 17.5.0 Release 17)

TS 129 572 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Location Management Services; Stage 3 (3GPP TS 29.572 version 17.4.0 Release 17)

TS 129 573 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Public Land Mobile Network (PLMN) Interconnection; Stage 3 (3GPP TS 29.573 version 17.4.0 Release 17)

TS 129 574 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Data Collection Coordination Services; Stage 3 (3GPP TS 29.574 version 17.0.0 Release 17)

TS 129 575 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Analytics Data Repository Services; Stage 3 (3GPP TS 29.575 version 17.0.0 Release 17)

TS 129 576 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Messaging Framework Adaptor Services; Stage 3 (3GPP TS 29.576 version 17.0.0 Release 17)

TS 129 582 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Mission Critical Data (MCData) interworking with Land Mobile Radio (LMR) systems; Stage 3 (3GPP TS 29.582 version 17.3.0 Release 17)

TS 129 591 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Exposure Function Southbound Services; Stage 3 (3GPP TS 29.591 version 17.5.0 Release 17)

TS 129 594 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Spending Limit Control Service; Stage 3 (3GPP TS 29.594 version 17.3.0 Release 17)

TS 129 598 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Unstructured data storage services (3GPP TS 29.598 version 17.5.0 Release 17)

TS 129 641 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 3GPP Registry for Service Names and Port Numbers (3GPP TS 29.641 version 17.0.0 Release 17)

TS 129 673 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; 5G System; UE radio capability management services; Stage 3 (3GPP TS 29.673 version 17.3.0 Release 17)

TS 129 675 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; User Equipment (UE) radio capability provisioning service; Stage 3 (3GPP TS 29.675 version 17.5.0 Release 17)

TR 129 941 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Guidelines on Port Allocation for New 3GPP Interfaces (3GPP TR 29.941 version 17.1.0 Release 17)

TS 131 102 V16.10.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System

(UMTS); LTE; 5G; Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 16.10.0 Release 16)

TS 131 103 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the IP Multimedia Services Identity Module (ISIM) application (3GPP TS 31.103 version 17.0.0 Release 17)

TS 131 111 V17.3.0:2022

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 17.3.0 Release 17)

TS 131 121 V16.7.0:2022

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 16.7.0 Release 16)

TS 131 124 V16.7.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (3GPP TS 31.124 version 16.7.0 Release 16)

TS 132 130 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Network sharing; Concepts and requirements (3GPP TS 32.130 version 17.4.0 Release 17)

TS 132 156 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) model repertoire (3GPP TS 32.156 version 17.0.0 Release 17)

TS 132 160 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration; Management service template (3GPP TS 32.160 version 17.3.0 Release 17)

TS 132 240 V17.5.0:2022

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 17.5.0 Release 17)

TS 132 250 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Circuit Switched (CS) domain charging (3GPP TS 32.250 version 17.0.0 Release 17)

TS 132 251 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Packet Switched (PS) domain charging (3GPP TS 32.251 version 17.0.0 Release 17)

TS 132 254 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Telecommunication management; Charging management; Exposure function Northbound Application Program Interfaces (APIs) charging (3GPP TS 32.254 version 17.0.0 Release 17)

TS 132 255 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Charging management; 5G data connectivity domain charging; Stage 2 (3GPP TS 32.255 version 17.5.0 Release 17)

TS 132 260 V17.2.0:2022

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 17.2.0 Release 17)

TS 132 272 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging (3GPP TS 32.272 version 17.0.0 Release 17)

TS 132 274 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Short Message Service (SMS) charging (3GPP TS

32.274 version 17.0.0 Release 17)

TS 132 275 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; MultiMedia Telephony (MMTel) charging (3GPP TS 32.275 version 17.3.0 Release 17)

TS 132 277 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Proximity-based Services (ProSe) charging (3GPP TS 32.277 version 17.1.0 Release 17)

TS 132 281 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Announcement service (3GPP TS 32.281 version 17.1.0 Release 17)

TS 132 290 V17.4.0:2022

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 17.4.0 Release 17)

TS 132 291 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Charging management; 5G system, charging service; Stage 3 (3GPP TS 32.291 version 17.2.0 Release 17)

TS 132 295 V17.0.0:2022

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) transfer (3GPP TS 32.295 version 17.0.0 Release 17)

TS 132 298 V17.2.0:2022

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 17.2.0 Release 17)

TS 132 299 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Diameter

charging applications (3GPP TS 32.299 version 17.0.0 Release 17)

TS 132 332 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.332 version 17.0.0 Release 17)

TS 132 366 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.366 version 17.0.0 Release 17)

TS 132 382 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Partial Suspension of ltf-N Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.382 version 17.0.0 Release 17)

TS 132 421 V17.3.0:2022

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 concepts and requirements (3GPP TS 32.421 version 17.3.0 Release 17)

TS 132 422 V17.6.1:2022

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 17.6.1 Release 17)

TS 132 423 V17.3.0:2022

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 17.3.0 Release 17)

TS 132 425 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Performance Management (PM); Performance

measurements Evolved Universal Terrestrial Radio Access Network (E-UTRAN) (3GPP TS 32.425 version 17.1.0 Release 17)

TS 132 601 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements (3GPP TS 32.601 version 17.0.0 Release 17)

TS 132 602 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.602 version 17.0.0 Release 17)

TS 132 606 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.606 version 17.0.0 Release 17)

TS 132 611 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Requirements (3GPP TS 32.611 version 17.0.0 Release 17)

TS 132 612 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.612 version 17.0.0 Release 17)

TS 132 616 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.616 version 17.0.0 Release 17)

TS 132 661 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Kernel CM Requirements (3GPP TS 32.661 version 17.0.0 Release 17)

TS 132 662 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Kernel CM Information Service (IS) (3GPP TS 32.662 version 17.0.0 Release 17)

TS 132 666 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.666 version 17.0.0 Release 17)

TS 132 690 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Inventory Management (IM); Requirements (3GPP TS 32.690 version 17.0.0 Release 17)

TR 132 901 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Study on User Data Convergence (UDC) information model handling and provisioning; Example use cases (3GPP TR 32.901 version 17.0.0 Release 17)

TR 132 972 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Study on system and functional aspects of energy efficiency in 5G networks (3GPP TR 32.972 version 17.0.0 Release 17)

TS 133 102 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3G security; Security architecture (3GPP TS 33.102 version 17.0.0 Release 17)

TS 133 117 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Catalogue of general security assurance requirements (3GPP TS 33.117 version 17.0.0 Release 17)

TS 133 126 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Lawful Interception requirements (3GPP TS 33.126 version 17.2.0 Release 17)

TS 133 127 V17.4.0:2022

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 17.4.0 Release 17)

TS 133 128 V17.4.0:2022

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 17.4.0 Release 17)

TS 133 163 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Battery Efficient Security for very low throughput Machine Type Communication (MTC) devices (BEST) (3GPP TS 33.163 version 17.0.0 Release 17)

TS 133 180 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Security of the Mission Critical (MC) service (3GPP TS 33.180 version 17.6.0 Release 17)

TS 133 203 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G security; Access security for IP-based services (3GPP TS 33.203 version 17.1.0 Release 17)

TS 133 210 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); IP network layer security (3GPP TS 33.210 version 17.0.0 Release 17)

TS 133 220 V17.2.0:2022

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

System (UMTS); LTE; 5G; Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) (3GPP TS 33.220 version 17.2.0 Release 17)

TS 133 222 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS) (3GPP TS 33.222 version 17.1.0 Release 17)

TS 133 223 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) Push function (3GPP TS 33.223 version 17.1.0 Release 17)

TS 133 226 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Security assurance for IP Multimedia Subsystem (IMS) (3GPP TS 33.226 version 17.1.0 Release 17)

TS 133 256 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Security aspects of Uncrewed Aerial Systems (UAS) (3GPP TS 33.256 version 17.0.0 Release 17)

TS 133 303 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Proximity-based Services (ProSe); Security aspects (3GPP TS 33.303 version 17.0.0 Release 17)

TS 133 310 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); Authentication Framework (AF) (3GPP TS 33.310 version 17.2.0 Release 17)

TS 133 326 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Security Assurance Specification (SCAS) for the Network Slice-Specific Authentication and Authorization Function (NSSAAF) network product class (3GPP TS 33.326 version 17.0.0 Release 17)

TS 133 328 V17.1.0:2022

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

17.1.0 Release 17)

TS 133 401 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3GPP System Architecture Evolution (SAE); Security architecture (3GPP TS 33.401 version 17.1.0 Release 17)

TS 133 501 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 17.5.0 Release 17)

TS 133 511 V17.1.0:2022

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 17.1.0 Release 17)

TS 133 512 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS); Access and Mobility management Function (AMF) (3GPP TS 33.512 version 17.3.0 Release 17)

TS 133 513 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS); User Plane Function (UPF) (3GPP TS 33.513 version 17.0.0 Release 17)

TS 133 514 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS) for the Unified Data Management (UDM) network product class (3GPP TS 33.514 version 17.0.0 Release 17)

TS 133 517 V17.0.0:2022

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 17.0.0 Release 17)

TS 133 521 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS); Network Data Analytics Function (NWDAF) (3GPP TS 33.521 version 17.1.0 Release 17)

TS 133 522 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS); Service Communication Proxy (SCP) (3GPP TS 33.522 version 17.1.0 Release 17)

TS 133 535 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Authentication and Key Management for Applications (AKMA) based on 3GPP credentials in the 5G System (5GS) (3GPP TS 33.535 version 17.5.0 Release 17)

TS 133 558 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Security aspects of enhancement of support for enabling edge applications (3GPP TS 33.558 version 17.0.0 Release 17)

TR 133 926 V17.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Security Assurance Specification (SCAS) threats and critical assets in 3GPP network product classes (3GPP TR 33.926 version 17.3.0 Release 17)

TS 134 109 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Terminal logical test interface; Special conformance testing functions (3GPP TS 34.109 version 17.0.0 Release 17)

TS 134 123-1 V15.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification (3GPP TS 34.123-1 version 15.5.0 Release 15)

TS 134 123-2 V15.3.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) proforma specification (3GPP TS 34.123-2 version 15.3.0 Release 15)

TS 134 229-1 V16.1.0:2022

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 16.1.0 Release 16)

TS 134 229-2 V16.2.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 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 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 16.2.0 Release 16)

TS 134 229-3 V16.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 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 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 16.5.0 Release 16)

TS 134 229-5 V16.2.0:2022

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 16.2.0 Release 16)

TS 136 101 V14.22.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 14.22.0 Release 14)

TS 136 101 V15.18.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 15.18.0 Release 15)

TS 136 101 V16.13.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 16.13.0 Release 16)

TS 136 101 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 17.5.0 Release 17)

TS 136 133 V14.21.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio resource management (3GPP TS 36.133 version 14.21.0 Release 14)

TS 136 211 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation (3GPP TS 36.211 version 17.1.0 Release 17)

TS 136 213 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures (3GPP TS 36.213 version 17.1.0 Release 17)

TS 136 300 V15.13.0:2022

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 15.13.0 Release 15)

TS 136 300 V16.8.0:2022

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 16.8.0 Release 16)

TS 136 300 V17.0.0:2022

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 17.0.0 Release 17)

TS 136 302 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Services provided by the physical layer (3GPP TS 36.302 version 17.0.0 Release 17)

TS 136 304 V15.8.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 15.8.0 Release 15)

TS 136 304 V16.7.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 16.7.0 Release 16)

TS 136 304 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 17.0.0 Release 17)

TS 136 305 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Stage 2 functional specification of User Equipment (UE) positioning in E-UTRAN (3GPP TS 36.305 version 17.0.0 Release 17)

Release 17)

TS 136 306 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.8.0 Release 16)

TS 136 306 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 17.0.0 Release 17)

TS 136 314 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Layer 2 - Measurements (3GPP TS 36.314 version 17.0.0 Release 17)

TS 136 321 V16.7.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 16.7.0 Release 16)

TS 136 321 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 17.0.0 Release 17)

TS 136 322 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Link Control (RLC) protocol specification (3GPP TS 36.322 version 17.0.0 Release 17)

TS 136 323 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Packet Data Convergence Protocol (PDCP) specification (3GPP TS 36.323 version 17.0.0 Release 17)

TS 136 331 V15.17.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 15.17.0 Release 15)

TS 136 331 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 16.8.0 Release 16)

TS 136 331 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 17.0.0 Release 17)

TS 136 355 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol (LPP) (3GPP TS 36.355 version 17.0.0 Release 17)

TS 136 360 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE-WLAN Aggregation Adaptation Protocol (LWAAP) specification (3GPP TS 36.360 version 17.0.0 Release 17)

TS 136 361 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE-WLAN Radio Level Integration Using Ipsec Tunnel (LWIP) encapsulation; Protocol specification (3GPP TS 36.361 version 17.0.0 Release 17)

TS 136 401 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Architecture description (3GPP TS 36.401 version 17.0.0 Release 17)

TS 136 410 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 general aspects and principles (3GPP TS 36.410 version 17.0.0 Release 17)

TS 136 411 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 layer 1 (3GPP TS 36.411 version 17.0.0 Release 17)

TS 136 412 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 signalling transport (3GPP TS 36.412 version 17.0.0 Release 17)

TS 136 413 V15.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 15.11.0 Release 15)

TS 136 413 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP RAN

LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 16.9.0 Release 16)

TS 136 413 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 17.0.0 Release 17)

TS 136 414 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 data transport (3GPP TS 36.414 version 17.0.0 Release 17)

TS 136 420 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 general aspects and principles (3GPP TS 36.420 version 17.0.0 Release 17)

TS 136 421 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 layer 1 (3GPP TS 36.421 version 17.0.0 Release 17)

TS 136 422 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 signalling transport (3GPP TS 36.422 version 17.0.0 Release 17)

TS 136 423 V15.13.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 Application Protocol (X2AP) (3GPP TS 36.423 version 15.13.0 Release 15)

TS 136 423 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 Application Protocol (X2AP) (3GPP TS 36.423 version 16.9.0 Release 16)

TS 136 423 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 Application Protocol (X2AP) (3GPP TS 36.423 version 17.0.0 Release 17)

TS 136 424 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 data transport (3GPP TS 36.424 version 17.0.0 Release 17)

TS 136 425 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 interface user plane protocol (3GPP TS 36.425 version 17.0.0 Release 17)

TS 136 440 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); General aspects and principles for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN (3GPP TS 36.440 version 17.0.0 Release 17)

TS 136 441 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Layer 1 for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN (3GPP TS 36.441 version 17.0.0 Release 17)

TS 136 442 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Signalling Transport for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN (3GPP TS 36.442 version 17.0.0 Release 17)

TS 136 443 V17.0.1:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M2 Application Protocol (M2AP) (3GPP TS 36.443 version 17.0.1 Release 17)

TS 136 444 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M3 Application Protocol (M3AP) (3GPP TS 36.444 version 17.0.0 Release 17)

TS 136 445 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M1 data transport (3GPP TS 36.445 version 17.0.0 Release 17)

TS 136 455 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol A (LPPa) (3GPP TS 36.455 version 17.0.0 Release 17)

TS 136 456 V17.0.1:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System

(UMTS); LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); SLM interface general aspects and principles (3GPP TS 36.456 version 17.0.1 Release 17)

TS 136 457 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); SLM interface layer 1 (3GPP TS 36.457 version 17.0.0 Release 17)

TS 136 458 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); SLM interface signalling transport (3GPP TS 36.458 version 17.0.0 Release 17)

TS 136 459 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); SLM interface Application Protocol (SLM-AP) (3GPP TS 36.459 version 17.0.0 Release 17)

TS 136 461 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless LAN (WLAN); Xw layer 1 (3GPP TS 36.461 version 17.0.0 Release 17)

TS 136 462 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless LAN (WLAN); Xw signalling transport (3GPP TS 36.462 version 17.0.0 Release 17)

TS 136 463 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless Local Area Network (WLAN); Xw application protocol (Xw-AP) (3GPP TS 36.463 version 17.0.0 Release 17)

TS 136 464 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless Local Area Network (WLAN); Xw data transport (3GPP TS 36.464 version 17.0.0 Release 17)

TS 136 508 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Common test environments for User Equipment (UE) conformance testing (3GPP TS 36.508 version 17.2.0 Release 17)

TS 136 509 V16.2.0:2022

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 16.2.0 Release 16)

TS 136 509 V17.0.0:2022

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 17.0.0 Release 17)

TS 136 521-1 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Conformance testing (3GPP TS 36.521-1 version 17.2.0 Release 17)

TS 136 521-2 V16.12.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 16.12.0 Release 16)

TS 136 521-3 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Radio Resource Management (RRM) conformance testing (3GPP TS 36.521-3 version 16.11.0 Release 16)

TS 136 523-1 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 17.1.0 Release 17)

TS 136 523-2 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.523-2 version 17.1.0 Release 17)

TS 136 523-3 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User

Equipment (UE) conformance specification; Part 3: Test suites (3GPP TS 36.523-3 version 17.2.0 Release 17)

TS 136 579-1 V15.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 1: Common test environment (3GPP TS 36.579-1 version 15.5.0 Release 15)

TS 136 579-1 V15.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 1: Common test environment (3GPP TS 36.579-1 version 15.5.0 Release 15)

TS 136 579-2 V15.3.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 2: Mission Critical Push To Talk (MCPTT) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-2 version 15.3.0 Release 15)

TS 136 579-4 V15.3.0:2022

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 15.3.0 Release 15)

TS 136 579-5 V14.6.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 14.6.0 Release 14)

TS 136 579-6 V15.2.0:2022

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 15.2.0 Release 15)

TS 136 579-7 V15.2.1:2022

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 15.2.1 Release 15)

TR 136 913 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Requirements for further advancements for Evolved Universal Terrestrial Radio Access (E-UTRA) (LTE-Advanced) (3GPP TR 36.913 version 17.0.0 Release 17)

TR 136 932 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Scenarios and requirements for small cell

enhancements for E-UTRA and E-UTRAN (3GPP TR 36.932 version 17.0.0 Release 17)

TS 137 320 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Radio measurement collection for Minimization of Drive Tests (MDT); Overall description; Stage 2 (3GPP TS 37.320 version 16.8.0 Release 16)

TS 137 320 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Radio measurement collection for Minimization of Drive Tests (MDT); Overall description; Stage 2 (3GPP TS 37.320 version 17.0.0 Release 17)

TS 137 324 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; Evolved Universal Terrestrial Radio Access (E-UTRA) and NR; Service Data Adaptation Protocol (SDAP) specification (3GPP TS 37.324 version 17.0.0 Release 17)

TS 137 340 V15.16.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR; Multi-connectivity; Overall description; Stage-2 (3GPP TS 37.340 version 15.16.0 Release 15)

TS 137 340 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR; Multi-connectivity; Overall description; Stage-2 (3GPP TS 37.340 version 16.9.0 Release 16)

TS 137 340 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR; Multi-connectivity; Overall description; Stage-2 (3GPP TS 37.340 version 17.0.0 Release 17)

TS 137 355 V15.3.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 15.3.0 Release 15)

TS 137 355 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.8.0 Release 16)

TS 137 355 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 17.0.0 Release 17)

TS 137 571-1 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN

Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 1: Conformance test specification (3GPP TS 37.571-1 version 16.11.0 Release 16)

TS 137 571-1 V16.12.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 1: Conformance test specification (3GPP TS 37.571-1 version 16.12.0 Release 16)

TS 137 571-2 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance (3GPP TS 37.571-2 version 16.11.0 Release 16)

TS 137 571-3 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 16.11.0 Release 16)

TS 137 571-4 V16.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 4: Test suites (3GPP TS 37.571-4 version 16.5.0 Release 16)

TR 137 901-5 V16.7.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on 5G NR User Equipment (UE) application layer data throughput performance (3GPP TR 37.901-5 version 16.7.0 Release 16)

TR 137 910 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on self evaluation towards IMT-2020 submission (3GPP TR 37.910 version 17.0.0 Release 17)

TS 138 101-1 V15.17.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 15.17.0 Release 15)

TS 138 101-1 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 16.11.0 Release 16)

TS 138 101-1 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 17.5.0 Release 17)

TS 138 101-3 V15.17.0:2022

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 15.17.0 Release 15)

TS 138 101-3 V16.11.0:2022

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 16.11.0 Release 16)

TS 138 101-3 V17.5.0:2022

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 17.5.0 Release 17)

TS 138 133 V15.17.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements for support of radio resource management (3GPP TS 38.133 version 15.17.0 Release 15)

TS 138 133 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements for support of radio resource management (3GPP TS 38.133 version 16.11.0 Release 16)

TS 138 133 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements for support of radio resource management (3GPP TS 38.133 version 17.5.0 Release 17)

TS 138 141-2 V15.13.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 15.13.0 Release 15)

TS 138 201 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer; General description (3GPP TS 38.201 version 17.0.0 Release 17)

TS 138 213 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for control (3GPP TS 38.213 version 17.1.0 Release 17)

TS 138 214 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for data (3GPP

TS 38.214 version 17.1.0 Release 17)

TS 138 300 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; NR and NG-RAN Overall description;
Stage-2 (3GPP TS 38.300 version 17.0.0 Release 17)

TS 138 304 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) procedures in idle mode and in RRC Inactive state (3GPP TS 38.304 version 17.0.0 Release 17)

TS 138 305 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG Radio Access Network (NG-RAN); Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 17.0.0 Release 17)

TS 138 306 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.8.0 Release 16)

TS 138 306 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 17.0.0 Release 17)

TS 138 307 V15.10.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 15.10.0 Release 15)

TS 138 314 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Layer 2 measurements (3GPP TS 38.314 version 17.0.0 Release 17)

TS 138 321 V15.13.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 15.13.0 Release 15)

TS 138 321 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.8.0 Release 16)

TS 138 321 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 17.0.0 Release 17)

TS 138 322 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Link Control (RLC) protocol specification (3GPP TS 38.322 version 17.0.0 Release 17)

TS 138 323 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 17.0.0 Release 17)

TS 138 331 V15.17.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 15.17.0 Release 15)

TS 138 331 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 16.8.0 Release 16)

TS 138 331 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 17.0.0 Release 17)

TS 138 340 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Backhaul Adaptation Protocol (BAP) specification (3GPP TS 38.340 version 17.0.0 Release 17)

TS 138 351 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Sidelink Relay Adaptation Protocol (SRAP) Specification (3GPP TS 38.351 version 17.0.0 Release 17)

TS 138 401 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Architecture description (3GPP TS 38.401 version 16.9.0 Release 16)

TS 138 401 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Architecture description (3GPP TS 38.401 version 17.0.0 Release 17)

TS 138 410 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG general aspects and principles (3GPP TS 38.410 version 17.0.0 Release 17)

TS 138 413 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG Application Protocol (NGAP) (3GPP TS 38.413 version 16.9.0 Release 16)

TS 138 413 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN

5G; NG-RAN; NG Application Protocol (NGAP)
(3GPP TS 38.413 version 17.0.0 Release 17)

TS 138 415 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; PDU session user plane protocol
(3GPP TS 38.415 version 17.0.0 Release 17)

TS 138 420 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn general aspects and principles
(3GPP TS 38.420 version 17.0.0 Release 17)

TS 138 423 V15.15.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn Application Protocol (XnAP)
(3GPP TS 38.423 version 15.15.0 Release 15)

TS 138 423 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn Application Protocol (XnAP)
(3GPP TS 38.423 version 16.9.0 Release 16)

TS 138 423 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn Application Protocol (XnAP)
(3GPP TS 38.423 version 17.0.0 Release 17)

TS 138 425 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NR user plane protocol (3GPP TS
38.425 version 17.0.0 Release 17)

TS 138 455 V16.7.1:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NR Positioning Protocol A (NRPPa)
(3GPP TS 38.455 version 16.7.1 Release 16)

TS 138 455 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NR Positioning Protocol A (NRPPa)
(3GPP TS 38.455 version 17.0.0 Release 17)

TS 138 460 V16.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 general aspects and principles
(3GPP TS 38.460 version 16.5.0 Release 16)

TS 138 460 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 general aspects and principles
(3GPP TS 38.460 version 17.0.0 Release 17)

TS 138 461 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 layer 1 (3GPP TS 38.461
version 17.0.0 Release 17)

TS 138 462 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 signalling transport (3GPP TS
38.462 version 17.0.0 Release 17)

TS 138 463 V15.10.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 Application Protocol (E1AP)
(3GPP TS 38.463 version 15.10.0 Release 15)

TS 138 463 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 Application Protocol (E1AP)
(3GPP TS 38.463 version 16.9.0 Release 16)

TS 138 463 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 Application Protocol (E1AP)
(3GPP TS 38.463 version 17.0.0 Release 17)

TS 138 470 V16.6.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 general aspects and principles
(3GPP TS 38.470 version 16.6.0 Release 16)

TS 138 470 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 general aspects and principles
(3GPP TS 38.470 version 17.0.0 Release 17)

TS 138 473 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 Application Protocol (F1AP)
(3GPP TS 38.473 version 16.9.0 Release 16)

TS 138 473 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 Application Protocol (F1AP)
(3GPP TS 38.473 version 17.0.0 Release 17)

TS 138 508-1 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; LTE; 5GS; User Equipment (UE)
conformance specification; Part 1: Common test
environment (3GPP TS 38.508-1 version 17.4.0
Release 17)

TS 138 508-2 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; LTE; 5GS; User Equipment (UE)
conformance specification; Part 2: Common
Implementation Conformance Statement (ICS)
proforma (3GPP TS 38.508-2 version 17.4.0
Release 17)

TS 138 509 V15.12.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; LTE; 5GS; Special conformance testing
functions for User Equipment (UE) (3GPP TS
38.509 version 15.12.0 Release 15)

TS 138 509 V16.4.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; LTE; 5GS; Special conformance testing
functions for User Equipment (UE) (3GPP TS
38.509 version 16.4.0 Release 16)

TS 138 509 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; LTE; 5GS; Special conformance testing functions for User Equipment (UE) (3GPP TS 38.509 version 17.0.0 Release 17)

TS 138 521-2 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Range 2 standalone (3GPP TS 38.521-2 version 16.11.0 Release 16)

TS 138 521-3 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.521-3 version 17.4.0 Release 17)

TS 138 521-4 V16.11.0:2022

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 16.11.0 Release 16)

TS 138 522 V17.4.0:2022

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 17.4.0 Release 17)

TS 138 523-2 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; LTE; 5GS; User Equipment (UE) conformance specification; Part 2: Applicability of protocol test cases (3GPP TS 38.523-2 version 16.11.0 Release 16)

TS 138 523-3 V17.2.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; LTE; 5GS; User Equipment (UE) conformance specification; Part 3: Protocol Test Suites (3GPP TS 38.523-3 version 17.2.0 Release 17)

TR 138 903 V16.11.0:2022

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 16.11.0 Release 16)

TR 138 905 V17.4.0:2022

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 17.4.0 Release 17)

TR 138 912 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on New Radio (NR) access technology (3GPP TR 38.912 version 17.0.0 Release 17)

TR 138 913 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on scenarios and requirements for next generation access technologies (3GPP TR 38.913 version 17.0.0 Release 17)

TR 138 921 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on International Mobile Telecommunications (IMT) parameters for 6.425 - 7.025 GHz, 7.025 - 7.125 GHz and 10.0 - 10.5 GHz (3GPP TR 38.921 version 17.1.0 Release 17)

TS 143 013 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Discontinuous Reception (DRX) in the GSM system (3GPP TS 43.013 version 17.0.0 Release 17)

TS 143 022 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Functions related to Mobile Station (MS) in idle mode and group receive mode (3GPP TS 43.022 version 17.0.0 Release 17)

TR 143 026 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Multiband operation of GSM / DCS 1800 by a single operator (3GPP TR 43.026 version 17.0.0 Release 17)

TR 143 030 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Radio network planning aspects (3GPP TR 43.030 version 17.0.0 Release 17)

TS 143 050 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Transmission planning aspects of the speech service in the GSM Public Land Mobile Network (PLMN) system (3GPP TS 43.050 version 17.0.0 Release 17)

TS 143 051 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Overall description; Stage 2 (3GPP TS 43.051 version 17.0.0 Release 17)

TS 143 052 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase

2+) (GSM); GSM Cordless Telephony System (CTS), Phase 1; Lower Layers of the CTS Radio Interface, Stage 2 (3GPP TS 43.052 version 17.0.0 Release 17)

TS 143 055 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Dual Transfer Mode (DTM); Stage 2 (3GPP TS 43.055 version 17.0.0 Release 17)

TR 143 058 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs) (3GPP TR 43.058 version 17.0.0 Release 17)

TS 143 059 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Functional stage 2 description of Location Services (LCS) in GERAN (3GPP TS 43.059 version 17.0.0 Release 17)

TS 143 064 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2 (3GPP TS 43.064 version 17.0.0 Release 17)

TS 143 129 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Packet-switched handover for GERAN A/Gb mode; Stage 2 (3GPP TS 43.129 version 17.0.0 Release 17)

TS 143 130 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Iur-g interface; Stage 2 (3GPP TS 43.130 version 17.0.0 Release 17)

TS 143 246 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Multimedia Broadcast/Multicast Service (MBMS) in the GERAN; Stage 2 (3GPP TS 43.246 version 17.0.0 Release 17)

TS 143 318 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Generic Access Network (GAN); Stage 2 (3GPP TS 43.318 version 17.0.0 Release 17)

TR 143 901 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN

Digital cellular telecommunications system (Phase 2+) (GSM); Feasibility Study on generic access to A/Gb interface (3GPP TR 43.901 version 17.0.0 Release 17)

TR 143 902 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Enhanced Generic Access Networks (EGAN) study (3GPP TR 43.902 version 17.0.0 Release 17)

TR 143 903 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); A-interface over IP study (AINTIP) (3GPP TR 43.903 version 17.0.0 Release 17)

TS 144 003 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities (3GPP TS 44.003 version 17.0.0 Release 17)

TS 144 004 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Layer 1; General Requirements (3GPP TS 44.004 version 17.0.0 Release 17)

TS 144 005 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Data Link (DL) Layer; General aspects (3GPP TS 44.005 version 17.0.0 Release 17)

TS 144 006 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station - Base Station System (MS - BSS) interface; Data Link (DL) layer specification (3GPP TS 44.006 version 17.0.0 Release 17)

TS 144 012 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Short Message Service Cell Broadcast (SMSCB) support on the mobile radio interface (3GPP TS 44.012 version 17.0.0 Release 17)

TS 144 014 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Individual equipment type requirements and interworking; Special GSM/EDGE conformance testing functions (3GPP TS 44.014 version 17.0.0 Release 17)

TS 144 018 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile radio interface layer 3 specification; GSM/EDGE Radio Resource Control (RRC) protocol (3GPP TS 44.018 version 17.0.0 Release 17)

TS 144 031 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP) (3GPP TS 44.031 version 17.0.0 Release 17)

TS 144 035 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods (3GPP TS 44.035 version 17.0.0 Release 17)

TS 144 060 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control / Medium Access Control (RLC/MAC) protocol (3GPP TS 44.060 version 17.0.0 Release 17)

TS 144 071 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Location Services (LCS); Mobile radio interface layer 3 LCS specification (3GPP TS 44.071 version 17.0.0 Release 17)

TS 144 318 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Generic Access Network (GAN); Mobile GAN interface layer 3 specification (3GPP TS 44.318 version 17.0.0 Release 17)

TR 144 901 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE External Network Assisted Cell Change (NACC) (3GPP TR 44.901 version 17.0.0 Release 17)

TS 145 001 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Physical layer on the radio path; General description (3GPP TS 45.001 version 17.0.0 Release 17)

TS 145 002 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Multiplexing and multiple access on the radio path (3GPP TS 45.002 version 17.0.0 Release 17)

TS 145 003 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Channel coding (3GPP TS 45.003 version 17.0.0 Release 17)

TS 145 004 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Modulation (3GPP TS 45.004 version 17.0.0 Release 17)

TS 145 005 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Radio transmission and reception (3GPP TS 45.005 version 17.0.0 Release 17)

TS 145 008 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Radio subsystem link control (3GPP TS 45.008 version 17.0.0 Release 17)

TS 145 009 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Link adaptation (3GPP TS 45.009 version 17.0.0 Release 17)

TS 145 010 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Radio subsystem synchronization (3GPP TS 45.010 version 17.0.0 Release 17)

TS 145 015 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Release independent Downlink Advanced Receiver Performance (DARP); Implementation guidelines (3GPP TS 45.015 version 17.0.0 Release 17)

TS 145 022 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Radio link management in hierarchical networks (3GPP TS 45.022 version 17.0.0 Release 17)

TR 145 050 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase

2+) (GSM); GSM/EDGE Background for Radio Frequency (RF) requirements (3GPP TR 45.050 version 17.0.0 Release 17)

TS 145 056 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM Cordless Telephony System (CTS), Phase 1; CTS-FP Radio subsystem (3GPP TS 45.056 version 17.0.0 Release 17)

TR 145 902 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Flexible Layer One (FLO) (3GPP TR 45.902 version 17.0.0 Release 17)

TR 145 903 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Feasibility study on Single Antenna Interference Cancellation (SAIC) for GSM networks (3GPP TR 45.903 version 17.0.0 Release 17)

TR 145 912 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Feasibility study for evolved GSM/EDGE Radio Access Network (GERAN) (3GPP TR 45.912 version 17.0.0 Release 17)

TR 145 913 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Optimized transmit pulse shape for downlink Enhanced General Packet Radio Service (EGPRS2-B) (3GPP TR 45.913 version 17.0.0 Release 17)

TR 145 914 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Circuit switched voice capacity evolution for GSM/EDGE Radio Access Network (GERAN) (3GPP TR 45.914 version 17.0.0 Release 17)

TR 145 926 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Solutions for GSM/EDGE Base Transceiver Station (BTS) energy saving (3GPP TR 45.926 version 17.0.0 Release 17)

TS 146 001 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Full rate speech; Processing functions (3GPP TS 46.001 version 17.0.0 Release 17)

TS 146 002 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase

2+) (GSM); Half rate speech; Half rate speech processing functions (3GPP TS 46.002 version 17.0.0 Release 17)

TS 146 006 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; ANSI-C code for the GSM half rate speech codec (3GPP TS 46.006 version 17.0.0 Release 17)

TS 146 007 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Test sequences for the GSM half rate speech codec (3GPP TS 46.007 version 17.0.0 Release 17)

TS 146 008 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec (3GPP TS 46.008 version 17.0.0 Release 17)

TS 146 010 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Full rate speech; Transcoding (3GPP TS 46.010 version 17.0.0 Release 17)

TS 146 011 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Full rate speech; Substitution and muting of lost frames for full rate speech channels (3GPP TS 46.011 version 17.0.0 Release 17)

TS 146 012 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Full rate speech; Comfort noise aspect for full rate speech traffic channels (3GPP TS 46.012 version 17.0.0 Release 17)

TS 146 020 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Half rate speech transcoding (3GPP TS 46.020 version 17.0.0 Release 17)

TS 146 021 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels (3GPP TS 46.021 version 17.0.0 Release 17)

TS 146 022 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Comfort noise aspects for the half rate speech traffic channels (3GPP TS 46.022 version 17.0.0 Release 17)

TS 146 031 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Full rate speech; Discontinuous Transmission (DTX) for full rate speech traffic channels (3GPP TS 46.031 version 17.0.0 Release 17)

TS 146 032 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Full rate speech; Voice Activity Detector (VAD) for full rate speech traffic channels (3GPP TS 46.032 version 17.0.0 Release 17)

TS 146 041 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Discontinuous Transmission (DTX) for half rate speech traffic channels (3GPP TS 46.041 version 17.0.0 Release 17)

TS 146 042 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels (3GPP TS 46.042 version 17.0.0 Release 17)

TS 146 051 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Enhanced Full Rate (EFR) speech processing functions; General description (3GPP TS 46.051 version 17.0.0 Release 17)

TS 146 053 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec (3GPP TS 46.053 version 17.0.0 Release 17)

TS 146 054 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Test sequences for the GSM Enhanced Full Rate (EFR) speech codec (3GPP TS 46.054 version 17.0.0 Release 17)

TR 146 055 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Performance characterization of the GSM Enhanced Full Rate (EFR) speech codec (3GPP TR 46.055 version 17.0.0 Release 17)

TS 146 060 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Enhanced Full Rate (EFR) speech transcoding (3GPP TS 46.060 version 17.0.0 Release 17)

TS 146 061 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Substitution and muting of lost frames for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.061 version 17.0.0 Release 17)

TS 146 062 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.062 version 17.0.0 Release 17)

TR 146 076 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Adaptive Multi-Rate (AMR) speech codec; Study phase report (3GPP TR 46.076 version 17.0.0 Release 17)

TS 146 081 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Discontinuous Transmission (DTX) for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.081 version 17.0.0 Release 17)

TS 146 082 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Voice Activity Detector (VAD) for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.082 version 17.0.0 Release 17)

TR 146 085 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Subjective tests on the interoperability of the Half Rate / Full Rate / Enhanced Full Rate (HR/FR/EFR) speech codecs, single, tandem and tandem free operation (3GPP TR 46.085 version 17.0.0 Release 17)

TS 148 001 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; General aspects (3GPP TS 48.001 version 17.0.0 Release 17)

TS 148 002 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN

Digital cellular telecommunications system (Phase 2+) (GSM); Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; Interface principles (3GPP TS 48.002 version 17.0.0 Release 17)

TS 148 004 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; Layer 1 specification (3GPP TS 48.004 version 17.0.0 Release 17)

TS 148 006 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Signalling transport mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS - MSC) interface (3GPP TS 48.006 version 17.0.0 Release 17)

TS 148 008 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Switching Centre - Base Station system (MSC-BSS) interface; Layer 3 specification (3GPP TS 48.008 version 17.0.0 Release 17)

TS 148 014 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb interface Layer 1 (3GPP TS 48.014 version 17.0.0 Release 17)

TS 148 016 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Network service (3GPP TS 48.016 version 17.0.0 Release 17)

TS 148 018 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS protocol (BSSGP) (3GPP TS 48.018 version 17.0.0 Release 17)

TS 148 031 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Location Services (LCS); Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification

(3GPP TS 48.031 version 17.0.0 Release 17)

TS 148 049 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station Controller - Cell Broadcast Centre (BSC-CBC) interface specification; Cell Broadcast Service Protocol (CBSP) (3GPP TS 48.049 version 17.0.0 Release 17)

TS 148 051 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station Controller - Base Transceiver Station (BSC - BTS) interface; General aspects (3GPP TS 48.051 version 17.0.0 Release 17)

TS 148 052 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Interface principles (3GPP TS 48.052 version 17.0.0 Release 17)

TS 148 054 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits (3GPP TS 48.054 version 17.0.0 Release 17)

TS 148 056 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification (3GPP TS 48.056 version 17.0.0 Release 17)

TS 148 058 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station Controller - Base Transceiver Station (BSC - BTS) Interface; Layer 3 specification (3GPP TS 48.058 version 17.0.0 Release 17)

TS 148 060 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); In-band control of remote transcoders and rate adaptors for full rate traffic channels (3GPP TS 48.060 version 17.0.0 Release 17)

TS 148 061 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); In-band control of remote transcoders and rate adaptors for half rate traffic channels

(3GPP TS 48.061 version 17.0.0 Release 17)

TS 148 071 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification (3GPP TS 48.071 version 17.0.0 Release 17)

TS 148 103 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station System - Media GateWay (BSS-MGW) interface; User plane transport mechanism (3GPP TS 48.103 version 17.0.0 Release 17)

TS 149 031 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE) (3GPP TS 49.031 version 17.0.0 Release 17)

TR 149 995 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); General Packet Radio Service (GPRS); Interworking between modified Public Land Mobile Network (PLMN) supporting GPRS and legacy GPRS mobiles (3GPP TR 49.995 version 17.0.0 Release 17)

TS 151 010-1 V13.13.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) conformance specification; Part 1: Conformance specification (3GPP TS 51.010-1 version 13.13.0 Release 13)

TS 151 010-2 V13.13.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification (3GPP TS 51.010-2 version 13.13.0 Release 13)

TS 151 021 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station System (BSS) equipment specification; Radio aspects (3GPP TS 51.021 version 17.0.0 Release 17)

TS 151 026 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station System (BSS) equipment specification; Part 4: Repeaters (3GPP TS 51.026 version 17.0.0 Release 17)

TS 152 008 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Telecommunication management; GSM subscriber and equipment trace (3GPP TS 52.008 version 17.0.0 Release 17)

TS 152 021 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Network Management (NM) procedures and messages on the A-bis interface (3GPP TS 52.021 version 17.0.0 Release 17)

TS 152 402 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Telecommunication management; Performance Management (PM); Performance measurements - GSM (3GPP TS 52.402 version 17.0.0 Release 17)

ES 201 873-1 V4.14.1:2022

Comitet Tehnic ETSI: MTS
Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 1: TTCN-3 Core Language

ES 202 396-1 V1.8.1:2022

Comitet Tehnic ETSI: STQ
Speech and multimedia Transmission Quality (STQ); Speech quality performance in the presence of background noise; Part 1: Background noise simulation technique and background noise database

ES 202 738 V1.8.2:2022

Comitet Tehnic ETSI: STQ
Speech and multimedia Transmission Quality (STQ); Transmission requirements for narrowband VoIP loudspeaking and handsfree terminals from a QoS perspective as perceived by the user

ES 202 740 V1.8.2:2022

Comitet Tehnic ETSI: STQ
Speech and multimedia Transmission Quality (STQ); Transmission requirements for wideband VoIP loudspeaking and handsfree terminals from a QoS perspective as perceived by the user

ES 202 785 V1.9.1:2022

Comitet Tehnic ETSI: MTS
Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language Extensions: Behaviour Types

EN 300 176-2 V2.4.1:2022

Comitet Tehnic ETSI: DECT
Digital Enhanced Cordless Telecommunications (DECT); Test specification; Part 2: Audio and speech

EN 302 245 V2.2.1:2022

Comitet Tehnic ETSI: ERM TG17
Transmitting equipment for the Digital Radio
Mondiale (DRM) service; Harmonised Standard
for access to radio spectrum

EN 319 532-4 V1.2.1:2022

Comitet Tehnic ETSI: ESI
Electronic Signatures and Infrastructures (ESI);
Registered Electronic Mail (REM) Services; Part
4: Interoperability profiles



**PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE EUROPENE
CEN SUPUSE ANCHETEI PUBLICE**

În perioada **2022.06.01 – 2022.06.30**

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observații orice persoană fizică sau juridică, la adresa asro@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.

FprCEN ISO/TS 14827-4

Intelligent transport systems - Data interfaces
between centres for transport information and
control - Part 4: Data interfaces between centres
for intelligent transport systems (ITS) using XML
(Profile B) (ISO/PRF TS 14827-4:2022)
dea: 2022-07-28

dangerous substances - Terminology
dea: 2022-08-11

**01.040.97 Echipament pentru uz casnic si
comercial. Echipament pentru
distractii. Echipament pentru sport
(Vocabulare)**

FprCEN/TR 17876

Child care articles - Tricycles - Safety
requirements and test methods
dea: 2022-07-28

prEN 17861

Resilient, textile, laminate and modular
mechanical locked floor coverings - Circular
Economy - Terms and definitions
dea: 2022-08-11

FprCEN/ISO/ASTM TR 52917

Additive manufacturing - Round robin testing -
General guidelines (ISO/ASTM PRF TR
52917:2002)
dea: 2022-08-15

**03.100 Organizarea si managementul
întreprinderii. Sisteme de management**

01.040 Vocabulare

**01.040.13 Mediu. Protectia sanatatii.
Securitate. (Vocabulare)**

**03.100.30 Managementul resurselor
umane**

FprCEN/TR 17884

ICT accessibility competences - Guidelines for a
more inclusive ICT development
dea: 2022-08-18

prEN 17861

Resilient, textile, laminate and modular
mechanical locked floor coverings - Circular
Economy - Terms and definitions
dea: 2022-08-11

03.220 Transport**03.220.20 Transport rutier**

**01.040.59 Industria textila si industria
pielariei (Vocabulare)**

prEN 16405

Intelligent transport systems - ECall - Additional
data concept specification for cargo in vehicles
dea: 2022-08-04

prEN 17848

Leather - Chemicals - Quality control
dea: 2022-08-18

07.100 Microbiologie**07.100.30 Microbiologie alimentara**

**01.040.91 Constructii si materiale de
constructii. (Vocabulare)**

prEN ISO 7218

Microbiology of the food chain - General
requirements and guidance for microbiological
examinations (ISO/DIS 7218:2022)
dea: 2022-08-01

prEN 16687

Construction products: Assessment of release of

07.120 Nanotehnologii

FprCEN ISO/TS 23302

Nanotechnologies - Requirements and recommendations for the identification of measurands that characterise nano-objects and materials that contain them (ISO/TS 23302:2021)
dea: 2022-08-04

11.060 Stomatologie

11.060.10 Materiale dentare

prEN ISO 3107

Dentistry - Zinc oxide/eugenol cements and zinc oxide/non-eugenol cements (ISO/FDIS 3107:2022)
dea: 2022-08-15

11.080 Sterilizare si dezinfectare

11.080.20 Dezinfectante si antiseptice

prEN 17846

Chemical disinfectants and antiseptics - Quantitative test method for the evaluation of sporicidal activity against Clostridioides difficile on non-porous surfaces with mechanical action employing wipes in the medical area (4- field test) - Test method and requirements (phase 2, step 2)
dea: 2022-08-04

11.180 Ajutoare pentru invalizi sau persoane cu handicap

11.180.01 Mijloace ajutoare pentru invalizi sau persoane cu handicap în general

prEN 16584-1

Railway applications - Design for PRM use - General requirements - Part 1: Contrast
dea: 2022-08-04

prEN 16584-2

Railway applications - Design for PRM use - General requirements - Part 2: Information
dea: 2022-08-04

prEN 16584-3

Railway applications - Design for PRM use - General requirements - Part 3: Optical and friction characteristics
dea: 2022-08-04

prEN 16585-1

Railway applications - Design for PRM use - Equipment and components onboard rolling stock - Part 1: Toilets
dea: 2022-08-04

prEN 16585-2

Railway applications - Design for PRM use -

Equipment and components on board rolling stock - Part 2: Elements for sitting, standing and moving
dea: 2022-08-04

prEN 16585-3

Railway applications - Design for PRM use - Equipment and components on board rolling stock - Part 3: Clearways and internal doors
dea: 2022-08-04

prEN 16586-1

Railway applications - Design for PRM use - Accessibility of persons with reduced mobility to rolling stock - Part 1: Steps for access and egress
dea: 2022-08-04

prEN 16586-2

Railway applications - Design for PRM use - Accessibility of persons with reduced mobility to rolling stock - Part 2: Boarding aids
dea: 2022-08-04

prEN 16587

Railway applications - Design for PRM Use - Requirements on obstacle free routes for infrastructure
dea: 2022-08-04

13.030 Deseuri

13.030.50 Reciclarea deeurilor

prEN 17861

Resilient, textile, laminate and modular mechanical locked floor coverings - Circular Economy - Terms and definitions
dea: 2022-08-11

13.040 Calitatea aerului

13.040.20 Aer ambient

prEN 12341

Ambient air - Standard gravimetric measurement method for the determination of the PM10 or PM2,5 mass concentration of suspended particulate matter
dea: 2022-08-18

13.060 Calitatea apei

13.060.50 Determinarea substantelor chimice din apa

prEN ISO 17294-1

Water quality - Application of inductively coupled plasma mass spectrometry (ICP-MS) - Part 1: General guidelines (ISO/DIS 17294-1:2022)
dea: 2022-08-10

prEN ISO 20595

Water quality - Determination of selected highly volatile organic compounds in water - Method using gas chromatography and mass

spectrometry by static headspace technique (HS-GC-MS) (ISO 20595:2018)
dea: 2022-08-18

prEN ISO 20596-2

Water quality - Determination of cyclic volatile methylsiloxanes in water - Part 2: Method using liquid-liquid extraction with gas chromatography-mass spectrometry (GC-MS) (ISO 20596-2:2021)
dea: 2022-08-18

13.060.70 Determinarea proprietatilor biologice ale apei

prEN ISO 19040-1

Water quality - Determination of the estrogenic potential of water and waste water - Part 1: Yeast estrogen screen (*Saccharomyces cerevisiae*) (ISO 19040-1:2018)
dea: 2022-08-18

prEN ISO 19040-2

Water quality - Determination of the estrogenic potential of water and waste water - Part 2: Yeast estrogen screen (*A-YES*, *Arxula adeninivorans*) (ISO 19040-2:2018)
dea: 2022-08-18

prEN ISO 19040-3

Water quality - Determination of the estrogenic potential of water and waste water - Part 3: In vitro human cell-based reporter gene assay (ISO 19040-3:2018)
dea: 2022-08-18

13.340 Echipament de protectie individuala

13.340.20 Echipamente de protectie a capului

FprCEN/TS 17553

Textiles and textile products - Community face coverings - Minimum requirements, methods of testing and use
dea: 2022-08-18

17.040 Masurari de lungimi si unghiulare

17.040.30 Mijloace de masurare

prEN ISO 3611

Geometrical product specifications (GPS) - Dimensional measuring equipment: Micrometers for external measurements - Design and metrological characteristics (ISO/DIS 3611:2022)
dea: 2022-08-10

23.020 Mijloace pentru stocarea fluidelor

23.020.20 Rezervoare si recipiente montate pe vehicule

prEN 14432

Tanks for the transport of dangerous goods - Tank

equipment for the transport of liquid chemicals and liquefied gases - Product discharge and air inlet valves
dea: 2022-08-11

prEN 14433

Tanks for the transport of dangerous goods - Tank equipment for the transport of liquid chemicals and liquefied gases - Foot valves
dea: 2022-08-11

23.020.35 Butelii de gaz

EN ISO 10298:2020/prA1

Gas cylinders - Gases and gas mixtures - Determination of toxicity for the selection of cylinder valve outlets - Amendment 1 (ISO 10298:2018/Amd 1:2021)
dea: 2022-07-28

23.060 Robinetarie

23.060.99 Alte tipuri de robinete

prEN 14432

Tanks for the transport of dangerous goods - Tank equipment for the transport of liquid chemicals and liquefied gases - Product discharge and air inlet valves
dea: 2022-08-11

prEN 14433

Tanks for the transport of dangerous goods - Tank equipment for the transport of liquid chemicals and liquefied gases - Foot valves
dea: 2022-08-11

25.220 Tratamente si acoperiri de suprafata

25.220.50 Emailari

prEN ISO 2747

Vitreous and porcelain enamels - Enamelled cooking utensils - Determination of resistance to thermal shock (ISO 2747:1998)
dea: 2022-08-18

prEN ISO 4532

Vitreous and porcelain enamels - Determination of the resistance of enamelled articles to impact - Pistol test (ISO 4532:1991)
dea: 2022-08-18

prEN ISO 8291

Vitreous and porcelain enamels - Method of test of self-cleaning properties (ISO 8291:1986)
dea: 2022-08-18

25.220.60 Acoperiri organice

prEN 13523-14

Coil coated metals - Test methods - Part 14:

Chalking (Helmen method)
dea: 2022-08-11

27.080 Pompe de caldura

EN ISO 14903:2017/prA1

Refrigerating systems and heat pumps -
Qualification of tightness of components and joints
- Amendment 1 (ISO 14903:2017/DAM 1:2022)
dea: 2022-08-09

27.190 Energie biologica si alte surse de energie alternativa

prEN ISO 24252

Biogas systems - Non-household and non-
gasification (ISO 24252:2021)
dea: 2022-08-04

27.200 Tehnica frigului

EN ISO 14903:2017/prA1

Refrigerating systems and heat pumps -
Qualification of tightness of components and joints
- Amendment 1 (ISO 14903:2017/DAM 1:2022)
dea: 2022-08-09

35.020 Tehnologia informatiei (IT) în general

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ICT accessibility competences - Guidelines for a
more inclusive ICT development
dea: 2022-08-18

35.240 Aplicatii privind tehnologia informatiei

35.240.60 Aplicatii IT în transport

prEN 16405

Intelligent transport systems - ECall - Additional
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dea: 2022-08-04

prEN 16454

Intelligent transport systems - ESafety - ECall end
to end conformance testing
dea: 2022-08-04

35.240.67 Aplicatii IT în cladiri si industria de constructii

prEN 17549-1

Building information modelling - Information
structure based on EN ISO 16739 1 to exchange
data templates and data sheets for construction
objects - Part 1: Data templates and configured
construction objects
dea: 2022-08-04

39.060 Giuvaergerie

prEN ISO 11210

Jewellery and precious metals - Determination of

platinum in platinum alloys - Gravimetric
determination after precipitation using ammonium
chloride (ISO/DIS 11210:2022)
dea: 2022-08-17

prEN ISO 11490

Jewellery and precious metals - Determination of
palladium in palladium alloys - Gravimetric
determination after precipitation using
dimethylglyoxime (ISO/DIS 11490:2022)
dea: 2022-08-17

43.160 Vehicule cu destinatie speciala

EN ISO 8437-1:2021/prA1

Snow throwers - Safety requirements and test
procedures - Part 1: Terminology and common
tests - Amendment 1: Scope clarification (ISO
8437-1:2019/DAM 1:2022)
dea: 2022-08-11

EN ISO 8437-2:2021/prA1

Snow throwers - Safety requirements and test
procedures - Part 2: Pedestrian-controlled snow
throwers - Amendment 1 (ISO 8437-2:2019/DAM
1:2022)
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EN ISO 8437-3:2021/prA1

Snow throwers - Safety requirements and test
procedures - Part 3: Ride-on snow throwers -
Amendment 1 (ISO 8437-3:2019/DAM 1:2022)
dea: 2022-08-11

45.020 Ingineria cailor ferate în general

prEN 16584-1

Railway applications - Design for PRM use -
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dea: 2022-08-04

prEN 16584-2

Railway applications - Design for PRM use -
General requirements - Part 2: Information
dea: 2022-08-04

prEN 16584-3

Railway applications - Design for PRM use -
General requirements - Part 3: Optical and friction
characteristics
dea: 2022-08-04

prEN 16587

Railway applications - Design for PRM Use -
Requirements on obstacle free routes for
infrastructure
dea: 2022-08-04

45.040 Materiale si componente pentru cai ferate

EN 15595:2018+AC:2021/prA1:2022

Railway applications - Braking - Wheel slide

protection
dea: 2022-08-18

45.060 Material rulant pentru cai ferate

45.060.20 Material rulant tractat

prEN 16235

Railway applications - Testing for the acceptance of running characteristics of railway vehicles - Freight wagons - Conditions for dispensation of freight wagons with defined characteristics from on-track tests according to EN 14363
dea: 2022-08-11

prEN 16585-1

Railway applications - Design for PRM use - Equipment and components onboard rolling stock - Part 1: Toilets
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prEN 16585-2

Railway applications - Design for PRM use - Equipment and components on board rolling stock - Part 2: Elements for sitting, standing and moving
dea: 2022-08-04

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Railway applications - Design for PRM use - Equipment and components on board rolling stock - Part 3: Clearways and internal doors
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prEN 16586-1

Railway applications - Design for PRM use - Accessibility of persons with reduced mobility to rolling stock - Part 1: Steps for access and egress
dea: 2022-08-04

prEN 16586-2

Railway applications - Design for PRM use - Accessibility of persons with reduced mobility to rolling stock - Part 2: Boarding aids
dea: 2022-08-04

prEN 17863

Railway applications - Ground based services - Passenger rolling stock hygiene equipment
dea: 2022-08-11

49.030 Elemente de asamblare pentru industria aeronautica

49.030.30 Piulite

prEN 2943

Aerospace series - Inserts, MJ and M screw threads, helical coil - Technical specification
dea: 2022-08-04

49.060 Echipament electric

prEN 2591-100

Aerospace series - Elements of electrical and optical connection - Test methods - Part 100: General
dea: 2022-08-04

prEN 3841-100

Aerospace series - Circuit breakers - Test methods - Part 100: General
dea: 2022-08-04

49.090 Echipamente si instrumente de bord

prEN 2591-100

Aerospace series - Elements of electrical and optical connection - Test methods - Part 100: General
dea: 2022-08-04

prEN 3745-801

Aerospace series - Fibres and cables, optical, aircraft use - Test methods -Part 801: Fibre movement under compression
dea: 2022-08-04

53.040 Echipamente pentru transport continuu

53.040.20 Componente pentru transportoare

prEN ISO 252

Conveyor belts — Adhesion between constitutive elements — Test methods (ISO/DIS 252:2022)
dea: 2022-08-03

prEN ISO 583

Conveyor belts with a textile carcass - Total belt thickness and thickness of constitutive elements - Test methods (ISO/DIS 583:2022)
dea: 2022-08-05

59.080 Produse din industria textila

59.080.30 Tesaturi din textile

prEN ISO 9073-1

Nonwovens - Test methods - Part 1: Determination of mass per unit area (ISO/DIS 9073-1:2022)
dea: 2022-08-04

prEN ISO 9073-3

Nonwovens - Test methods - Part 3: Determination of tensile strength and elongation at break using the strip method (ISO/DIS 9073-3:2022)
dea: 2022-08-03

59.140 Industria pielariei

59.140.10 Procese si materiale auxiliare

prEN 17848

Leather - Chemicals - Quality control
dea: 2022-08-18

59.140.30 Pii si blanuri

prEN ISO 11936

Leather - Determination of total content of certain bisphenols (ISO/DIS 11936:2022)
dea: 2022-08-04

65.060 Masini si echipamente agricole

65.060.01 Masini si echipamente agricole în general

prEN ISO 5674

Tractors and machinery for agriculture and forestry - Guards for power take-off (PTO) drive-shafts - Strength and wear tests and acceptance criteria (ISO/DIS 5674:2022)
dea: 2022-07-26

65.120 Nutreturi

prEN 17853

Animal feeding stuffs: Methods of sampling and analysis - Determination of intact glucosinolates in rapeseed by LC-MS/MS
dea: 2022-08-11

67.050 Metode generale de analiza pentru produse alimentare

prEN 17851

Analysis of Foodstuffs - Determination of Ag, As, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Se, Tl, U and Zn in foodstuffs by inductively coupled plasma mass spectrometry (ICP-MS) after pressure digestion
dea: 2022-08-11

71.100 Produse din industria chimica

71.100.80 Produse chimice pentru purificarea apei

prEN 1405

Chemicals used for treatment of water intended for human consumption - Sodium alginate
dea: 2022-08-18

prEN 1407

Chemicals used for treatment of water intended for human consumption - Anionic and non-ionic polyacrylamides
dea: 2022-08-18

prEN 1408

Chemicals used for treatment of water intended for human consumption - Poly(diallyldimethylammonium chloride)
dea: 2022-08-18

prEN 1409

Chemicals used for water treatment intended for human consumption - Polyamines
dea: 2022-08-18

prEN 1410

Chemicals used for treatment of water intended for human consumption - Cationic polyacrylamides
dea: 2022-08-18

75.180 Masini si utilaje pentru industria petroliera si a gazului natural

75.180.10 Masini si utilaje pentru exploatare si extractie

prEN ISO 19901-4

Petroleum and natural gas industries - Specific requirements for offshore structures - Part 4: Geotechnical design considerations (ISO/DIS 19901-4:2022)
dea: 2022-08-11

77.080 Metale feroase

77.080.10 Fonte

prEN 16482

Founding - Continuous cast iron bars
dea: 2022-08-11

77.160 Metalurgia pulberilor

prEN ISO 4491-2

Metallic powders - Determination of oxygen content by reduction methods - Part 2: Loss of mass on hydrogen reduction (hydrogen loss) (ISO/DIS 4491-2:2022)
dea: 2022-08-15

83.080 Materiale plastice

83.080.01 Materiale plastice, în general

prEN ISO 1675

Plastics - Liquid resins - Determination of density by the pycnometer method (ISO/DIS 1675:2022)
dea: 2022-07-26

83.080.20 Materiale termoplastice

prEN ISO 6401

Plastics - Poly(vinyl chloride) - Determination of residual vinyl chloride monomer - Gas-chromatographic method (ISO/DIS 6401:2022)
dea: 2022-07-26

91.100 Materiale de constructii

91.100.01 Materiale de constructii în general

prEN 16687

Construction products: Assessment of release of dangerous substances - Terminology
dea: 2022-08-11

prEN 17195

Construction products: Assessment of release of dangerous substances - Analysis of inorganic substances in eluates
dea: 2022-07-28

prEN 17196

Construction products: Assessment of release of dangerous substances - Digestion by aqua regia for subsequent analysis of inorganic substances
dea: 2022-07-28

prEN 17197

Construction products: Assessment of release of dangerous substances - Analysis of inorganic substances in digests and eluates - Analysis by inductively coupled plasma optical emission spectrometry (ICP-OES)
dea: 2022-07-28

prEN 17200

Construction products: Assessment of release of dangerous substances - Analysis of inorganic substances in digests and eluates - Analysis by inductively coupled plasma mass spectrometry (ICP-MS)
dea: 2022-07-28

prEN 17201

Construction products: Assessment of release of dangerous substances - Content of inorganic substances - Methods for analysis of aqua regia digests
dea: 2022-07-28

prEN 17331

Construction products: Assessment of release of dangerous substances - Content of organic

substances - Methods for extraction and analysis
dea: 2022-07-28

prEN 17332

Construction products: Assessment of release of dangerous substances - Analysis of organic substances in eluates
dea: 2022-07-28

prEN 17844

Construction products: Assessment of release of dangerous substances - Determination of the content of polycyclic aromatic hydrocarbons (PAH) and of benzene, toluene, ethylbenzene and xylenes (BTEX) - Gas chromatographic method with mass spectrometric detection
dea: 2022-07-28

prEN 17845

Construction products: Assessment of release of dangerous substances - Determination of biocide residues using LC-MS/MS
dea: 2022-07-28

91.160 Iluminat**91.160.10 Iluminatul în interior****prEN 1838**

Lighting applications - Emergency lighting
dea: 2022-08-18

97.150 Acoperitoare de sol**prEN 17861**

Resilient, textile, laminate and modular mechanical locked floor coverings - Circular Economy - Terms and definitions
dea: 2022-08-11



**PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE
EUROPENE CENELEC SUPUSE ANCHETEI PUBLICE**

În perioada **2022.06.01 – 2022.06.30**

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observații orice persoană fizică sau juridică, la adresa asro@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.

prEN IEC 61076-2-115:2022

Connectors for electrical and electronic equipment – Product requirements – Part 2–115: Circular connectors – Detail specification for 12-pole connectors with 2 A rated current and push-pull locking IP65/IP67 with metal housing
dea: 2022-07-29

prEN IEC 61076-8-103:2022

Connectors for electrical and electronic equipment - Product requirements - Part 8–103: Power connectors - Detail specification for 2P+PE circular connectors with 20 A rated current and

push-pull locking IP65/IP67 with metal housing
dea: 2022-07-29

prEN IEC 61076-8-104:2022

Connectors for electrical and electronic equipment
- Product requirements - Part 8-104: Power connectors - Detail specification for 2-pole circular connectors with 40 A rated current and push-pull locking IP65/IP67 with metal housing
dea: 2022-07-29

prEN IEC 61076-8-105:2022

Connectors for electrical and electronic equipment
- Product requirements - Part 8-105: Power connectors - Detail specification for 2-pole snap locking rectangular power connectors with plastic housing for rated current of 63 A and rated voltage 400V
dea: 2022-08-05

prEN IEC 61076-8-106:2022

Connectors for electrical and electronic equipment
- Product requirements - Part 8-106: Power connectors - Detail specification for 2-poles push-pull coupling rectangular connectors with fuses, for rated voltage of 400 V DC and rated current of 16 A
dea: 2022-08-05

prEN IEC 61076-8-107:2022

Connectors for electrical and electronic equipment
- Product requirements - Part 8-107: Power connectors - Detail specification for 2P 200 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated
dea: 2022-07-29

prEN IEC 61076-8-108:2022

Connectors for electrical and electronic equipment
- Product requirements - Part 8-108: Power connectors - Detail specification for 2P 250 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated
dea: 2022-07-29

prEN IEC 61076-8-109:2022

Connectors for electrical and electronic equipment
- Product requirements - Part 8-109: Power connectors - Detail specification for 2P 130 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated
dea: 2022-07-29

prEN IEC 62282-6-401:2022

Fuel cell technologies - Part 6-401: Micro fuel cell power systems - Power and data interchangeability - Performance test methods for

laptop computers
dea: 2022-07-29

prEN IEC 62680-4-1:2022

Universal Serial Bus interfaces for data and power - Part 4-1: Universal Serial Bus 4™ Specification
dea: 2022-08-05

prEN IEC 63278-1:2022

Asset Administration Shell for industrial applications - Part 1: Asset Administration Shell structure
dea: 2022-08-05

01.110 Documentatie tehnica de produs

prEN IEC 62321-3-4:2022

Determination of certain substances in electrotechnical products - Part 3-4: Screening of Phthalates in polymers of electrotechnical products by high performance liquid chromatography with ultraviolet detector (HPLC-UV), thin layer chromatography (TLC) and thermal desorption mass spectrometry (TD-MS)
dea: 2022-08-19

03.100 Organizarea si managementul întreprinderii. Sisteme de management

03.100.70 Sisteme de management

prEN IEC 63376:2022

INDUSTRIAL FACILITY ENERGY MANAGEMENT SYSTEM (FEMS) - Functions and Information Flows
dea: 2022-07-29

11.040 Echipament medical

EN IEC 60601-2-76:2019/prA1:2022

Medical electrical equipment - Part 2-76: Particular requirements for the basic safety and essential performance of low energy ionized gas haemostasis equipment
dea: 2022-08-12

13.020 Protectia mediului

13.020.01 Mediu si protectia mediului în general

prEN IEC 62321-3-4:2022

Determination of certain substances in electrotechnical products - Part 3-4: Screening of Phthalates in polymers of electrotechnical products by high performance liquid chromatography with ultraviolet detector (HPLC-UV), thin layer chromatography (TLC) and thermal desorption mass spectrometry (TD-MS)
dea: 2022-08-19

13.220 Protectia contra incendiilor

13.220.50 Rezistența la foc a materialelor și a elementelor de construcții

FprCLC/TR 50658

Cable management systems (CMS) providing support for cables with intrinsic fire resistance
dea: 2022-08-05

13.280 Protecția contra radiațiilor

prEN IEC 62387

Radiation protection instrumentation - Dosimetry systems with integrating passive detectors for individual, workplace and environmental monitoring of photon and beta radiation
dea: 2022-08-05

prEN IEC 62387/prAA

Radiation protection instrumentation - Dosimetry systems with integrating passive detectors for individual, workplace and environmental monitoring of photon and beta radiation
dea: 2022-08-05

13.320 Sisteme de alarmă și de alertare

EN 50518:2019/prA1

Monitoring and Alarm Receiving Centre
dea: 2022-08-12

17.200 Termodinamica și măsurări de temperatură

17.200.99 Alte standarde referitoare la termodinamica

prEN IEC 61340-4-6:2022

Electrostatics - Part 4-6: Standard test methods for specific applications - Wrist straps
dea: 2022-08-12

17.220 Electricitate. Magnetism. Măsurări electrice și magnetice

17.220.20 Măsurări de mărimi electrice și magnetice

prEN IEC 61869-1:2022

Instrument transformers - Part 1: General requirements
dea: 2022-08-05

25.160 Sudare și lipire

25.160.30 Masini de sudare

FprEN IEC 60974-1:2021/prAA

Arc welding equipment - Part 1: Welding power sources
dea: 2022-07-29

prEN IEC 62822-3:2022

Electric welding equipment - Assessment of

restrictions related to human exposure to electromagnetic fields (0 Hz to 300 Hz) - Part 3: Resistance welding equipment
dea: 2022-08-05

29.020 Electrotehnica în general

prEN IEC 61340-4-6:2022

Electrostatics - Part 4-6: Standard test methods for specific applications - Wrist straps
dea: 2022-08-12

prEN IEC 62305-1:2022

Protection against lightning - Part 1: General principles
dea: 2022-07-29

prEN IEC 62561-5:2022

Lightning protection system components (LPSC) - Part 5: Requirements for earth electrode inspection housings and earth electrode seals
dea: 2022-08-19

29.060 Conductoare și cabluri electrice

29.060.20 Cabluri

FprCLC/TR 50658

Cable management systems (CMS) providing support for cables with intrinsic fire resistance
dea: 2022-08-05

29.080 Izolații electrice

29.080.30 Sisteme de izolații electrice

prEN IEC 60071-2:2022

Insulation co-ordination - Part 2: Application guidelines (Proposed horizontal standard)
dea: 2022-07-29

29.100 Componente pentru echipament electric

29.100.01 Componente pentru echipament electric în general

prEN IEC 62321-3-4:2022

Determination of certain substances in electrotechnical products - Part 3-4: Screening of Phthalates in polymers of electrotechnical products by high performance liquid chromatography with ultraviolet detector (HPLC-UV), thin layer chromatography (TLC) and thermal desorption mass spectrometry (TD-MS)
dea: 2022-08-19

29.120 Accesorii electrice

29.120.50 Sigurante fuzibile și alte aparate de protecție la scurtcircuit

prHD 60269-3:2022

Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar applications) - Examples of standardized systems of fuses A to F
dea: 2022-07-29

prEN IEC 62752:2022

In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD)
dea: 2022-08-05

29.130 Aparate de conectare si comanda

29.130.20 Aparate de conectare si comanda de joasa tensiune

prEN IEC 61439-4:2022

Low-voltage switchgear and controlgear assemblies - Part 4: Particular requirements for assemblies for construction sites (ACS)
dea: 2022-08-05

29.140 Lampi si accesorii

29.140.01 Lampi în general

prEN IEC 62471-7:2022

Photobiological safety of lamps and lamp systems - Part 7: Light sources and luminaires primarily emitting visible radiation
dea: 2022-08-12

29.180 Transformatoare. Bobine de inductanta

prEN IEC 61558-2-3:2022

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-3: Particular requirements and tests for ignition transformers for gas and oil burners
dea: 2022-08-19

prEN IEC 61558-2-7:2022

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-7: Particular requirements and tests for transformers and power supply units for toys
dea: 2022-08-19

29.200 Redresoare. Convertizoare. Surse stabilizate

EN IEC 62040-1:2019/prA2:2022

Amendment 2 - Uninterruptible power systems (UPS) - Part 1: Safety requirements
dea: 2022-08-19

29.220 Acumulatori si elemente galvanice

29.220.30 Acumulatori si baterii alcaline

EN 61951-1:2017/prA1:2022

Secondary cells and batteries containing alkaline

or other non-acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 1: Nickel-Cadmium
dea: 2022-08-05

31.240 Structuri mecanice pentru echipament electronic

prEN IEC 61969-1:2022

Mechanical structures for electrical and electronic equipment - Outdoor enclosures - Part 1: Design guidelines
dea: 2022-08-05

prEN IEC 61969-3:2022

Mechanical structures for electrical and electronic equipment - Outdoor enclosures - Part 3: Environmental requirements, tests and safety aspects
dea: 2022-08-05

31.260 Optoelectronica. Aparate cu laser

prEN IEC 62471-7:2022

Photobiological safety of lamps and lamp systems - Part 7: Light sources and luminaires primarily emitting visible radiation
dea: 2022-08-12

33.060 Radiocomunicatii

33.060.40 Sisteme de distributie prin cablu

prEN IEC 60728-106:2022

Optical equipment for systems loaded with digital channels only
dea: 2022-08-19

33.100 Compatibilitate electromagnetica (EMC)

33.100.10 Emisie

EN IEC 55036:2020/prA1:2022

Amendment 1 - Electric and hybrid electric road vehicles - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers below 30 MHz
dea: 2022-07-29

33.100.20 Imunitate

EN IEC 55036:2020/prA1:2022

Amendment 1 - Electric and hybrid electric road vehicles - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers below 30 MHz
dea: 2022-07-29

33.200 Telecomanda. Teleconducere

prEN IEC 62351-3:2022

Power systems management and associated information exchange - Data and communications security - Part 3: Communication network and system security - Profiles including TCP/IP
dea: 2022-08-12

35.020 Tehnologia informatiei (IT) în general

prEN 50600-2-4

Information technology - Data centre facilities and infrastructures - Part 2-4: Telecommunications cabling infrastructure
dea: 2022-08-05

35.030 Securitatea IT

prEN ISO/IEC 24760-2

Information technology - Security techniques - A framework for identity management - Part 2: Reference architecture and requirements (ISO/IEC 24760-2:2015)
dea: 2022-08-04

prEN ISO/IEC 24760-3

Information technology - Security techniques - A framework for identity management - Part 3: Practice (ISO/IEC 24760-3:2016)
dea: 2022-08-04

35.110 Retele

prEN 50600-2-4

Information technology - Data centre facilities and infrastructures - Part 2-4: Telecommunications cabling infrastructure
dea: 2022-08-05

prEN 50700

Information technology - Premises distribution access network (PDAN) cabling to support deployment of optical broadband networks
dea: 2022-08-12

35.160 Sisteme de microprocesoare

prEN 50600-2-4

Information technology - Data centre facilities and infrastructures - Part 2-4: Telecommunications cabling infrastructure
dea: 2022-08-05

43.040 Sisteme pentru vehicule rutiere

43.040.10 Echipament electric si electronic

prEN 50436-1

Alcohol interlocks - Test methods and performance requirements - Part 1: Instruments having a mouthpiece and measuring breath alcohol for drink-driving-offender programs and

general preventive use

dea: 2022-08-05

71.040 Chimie analitica

71.040.40 Metode de analize chimice

prEN 50436-1

Alcohol interlocks - Test methods and performance requirements - Part 1: Instruments having a mouthpiece and measuring breath alcohol for drink-driving-offender programs and general preventive use
dea: 2022-08-05

91.120 Protectia exterioara si interioara a cladirilor

91.120.40 Protectia împotriva trasnetelor

prEN IEC 62305-1:2022

Protection against lightning - Part 1: General principles
dea: 2022-07-29

prEN IEC 62561-5:2022

Lightning protection system components (LPSC) - Part 5: Requirements for earth electrode inspection housings and earth electrode seals
dea: 2022-08-19

91.140 Instalatii în cladiri

91.140.50 Sisteme de alimentare cu energie electrica

FprCLC/TR 50658

Cable management systems (CMS) providing support for cables with intrinsic fire resistance
dea: 2022-08-05

91.160 Iluminat

prEN 50172

Emergency escape lighting systems
dea: 2022-08-19

97.100 Aparate de încălzit de uz casnic, industrial si comercial

97.100.10 Aparate de încălzit electrice

EN 60335-2-53:2011/prA2

Household and similar electrical appliances - Safety - Part 2-53: Particular requirements for sauna heating appliances and infrared cabins
dea: 2022-07-29



În perioada **2022.06.01 – 2022.06.30**

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observații orice persoană fizică sau juridică, la adresa asro@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.

EN 300 132-2 V2.6.6

Comitet Tehnic ETSI: EE 2
Environmental Engineering (EE); Power supply interface at the input of Information and Communication Technology (ICT) equipment; Part 2: -48 V Direct Current (DC)
dea: 2022-09-12

Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Harmonised Standard for access to radio spectrum
dea: 2022-09-04

EN 302 208 V3.4.0

Comitet Tehnic ETSI: ERM TG34

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
IWA
ISO/DIS
dea

specificație disponibilă publicului ISO, IEC
acordul unui workshop ISO, IEC
proiect de standarde internațional ISO
termenul limită de vot



**STANDARDE / DOCUMENTE DE STANDARDIZARE
INTERNAȚIONALE ISO APROBATE**

În perioada **2022.06.01 – 2022.06.30**

**IULTCS UNIUNEA INTERNAȚIONALĂ A
SOCIETĂȚILOR TEHNICIENILOR ȘI
CHIMIȘTILOR PIELARI**

ISO 14087:2022

Leather — Physical and mechanical tests —
Determination of bending force

ISO/IEC JTC 1 TEHNOLOGIA INFORMATIEI

ISO/IEC 5218:2022

Information technology — Codes for the
representation of human sexes

ISO/IEC/IEEE 8802-22:2022

Telecommunications and information exchange
between systems — Wireless Regional Area
Networks (WRAN) — Specific requirements —
Part 22: Cognitive Wireless RAN Medium Access
Control (MAC) and Physical Layer (PHY)
Specifications: Policies and procedures for
operation in the bands that allow spectrum
sharing where the communications devices may
opportunistically operate in the spectrum of
primary service

ISO/IEC 9075-1:2016/Cor 1:2022

Information technology — Database languages —
SQL — Part 1: Framework (SQL/Framework) —
Technical Corrigendum 1

ISO/IEC 9075-10:2016/Cor 1:2022

Information technology — Database languages —
SQL — Part 10: Object language bindings
(SQL/OLB) — Technical Corrigendum 1

ISO/IEC 9075-11:2016/Cor 2:2022

Information technology — Database languages —
SQL — Part 11: Information and definition
schemas (SQL/Schemata) — Technical
Corrigendum 2

ISO/IEC 9075-13:2016/Cor 2:2022

Information technology — Database languages —
SQL — Part 13: SQL Routines and types using
the Java™ programming language (SQL/JRT)
— Technical Corrigendum 2

ISO/IEC 9075-14:2016/Cor 2:2022

Information technology — Database languages —

SQL — Part 14: XML-Related Specifications
(SQL/XML) — Technical Corrigendum 2

ISO/IEC 9075-15:2019/Cor 1:2022

Information technology database languages —
SQL — Part 15: Multi-dimensional arrays
(SQL/MDA) — Technical Corrigendum 1

ISO/IEC 9075-2:2016/Cor 2:2022

Information technology — Database languages —
SQL — Part 2: Foundation (SQL/Foundation) —
Technical Corrigendum 2

ISO/IEC 9075-3:2016/Cor 1:2022

Information technology — Database languages —
SQL — Part 3: Call-Level Interface (SQL/CLI) —
Technical Corrigendum 1

ISO/IEC 9075-4:2016/Cor 2:2022

Information technology — Database languages —
SQL — Part 4: Persistent stored modules
(SQL/PSM) — Technical Corrigendum 2

ISO/IEC 9075-9:2016/Cor 2:2022

Information technology — Database languages —
SQL — Part 9: Management of External Data
(SQL/MED) — Technical Corrigendum 2

ISO/IEC 14496-30:2018/Amd 1:2022

Information technology — Coding of audio-visual
objects — Part 30: Timed text and other visual
overlays in ISO base media file format —
Amendment 1: Timing improvements

ISO/IEC 18181-1:2022/Amd 1:2022

Information technology — JPEG XL image coding
system — Part 1: Core coding system —
Amendment 1: Profiles and levels for JPEG XL
image coding system

ISO/IEC 20248:2022

Information technology — Automatic identification
and data capture techniques — Digital signature
data structure schema

ISO/IEC 23001-18:2022

Information technology — MPEG systems
technologies — Part 18: Event message track
format for the ISO base media file format

ISO/IEC 23053:2022

Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML)

ISO/IEC 23093-3:2022

Information technology — Internet of media things — Part 3: Media data formats and APIs

ISO/IEC 24039:2022

Information technology — Smart city digital platform reference architecture — Data and service

ISO/IEC 27036-2:2022

Cybersecurity — Supplier relationships — Part 2: Requirements

ISO/IEC 27400:2022

Cybersecurity — IoT security and privacy — Guidelines

ISO/IEC 30150-1:2022

Information technology — Affective computing user interface (AUI) — Part 1: Model

ISO/TC 2 ELEMENTE DE ASAMBLARE

ISO 4014:2022

Fasteners — Hexagon head bolts — Product grades A and B

ISO 4015:2022

Fasteners — Hexagon head bolts with reduced shank (shank diameter ~ pitch diameter) — Product grade B

ISO 4016:2022

Fasteners — Hexagon head bolts — Product grade C

ISO 4017:2022

Fasteners — Hexagon head screws — Product grades A and B

ISO 4018:2022

Fasteners — Hexagon head screws — Product grade C

ISO 4042:2022

Fasteners — Electroplated coating systems

ISO 8676:2022

Fasteners — Hexagon head screws, with fine pitch thread — Product grades A and B

ISO 8765:2022

Fasteners — Hexagon head bolts, with fine pitch thread — Product grades A and B

ISO/TC 6 HÂRTIE, CARTON SI CELULOZA

ISO/TS 23885:2022

Paper, board and graphic technology —

Determination of the coating strength in the inner fold

ISO 24196:2022

Lignins — Determination of lignin content in kraft lignin, soda lignin and hydrolysis lignin

ISO 24215:2022

Lignins — Determination of carbohydrate composition in kraft lignin, soda lignin and hydrolysis lignin

ISO/TC 8 NAVE SI TEHNOLOGIE MARITIMA

ISO 24225:2022

Ships and marine technology — Pneumatic quick-closing control devices

ISO 24319:2022

Ships and marine technology — Design and test requirements for small steel hatches using electrical trace heating

ISO/TC 10 DOCUMENTATIE TEHNICA DE PRODUS

ISO 9177-2:2022

Mechanical pencils for technical drawings — Part 2: Black leads — Classification and dimensions

ISO/TC 17 OTEL

ISO 4954:2022

Steels for cold heading and cold extruding

ISO/TC 20 AERONAUTICA SI SPATIU

ISO 14302:2022

Space systems — Electromagnetic compatibility requirements

ISO 24246:2022

Space systems — Requirements for global navigation satellite system (GNSS) positioning augmentation centers

ISO 26870:2022

Space systems — Launch pad and integration site operational documents

ISO/TC 21 ECHIPAMENT DE PROTECTIE LA FOC SI DE STINGERE A INCENDIULUI

ISO 7240-12:2022

Fire detection and alarm systems — Part 12: Line type smoke detectors using a transmitted optical beam

ISO/TC 22 VEHICULE RUTIERE

ISO 4513:2022

Road vehicles — Visibility — Method for

establishment of eyellipses for driver's eye location

ISO 13209-3:2022

Road vehicles — Open Test sequence eXchange format (OTX) — Part 3: Standard extensions and requirements

ISO 15830-1:2022

Road vehicles — Design and performance specifications for the WorldSID 50th percentile male side-impact dummy — Part 1: Vocabulary and rationale

ISO 21448:2022

Road vehicles — Safety of the intended functionality

ISO 22900-2:2022

Road vehicles — Modular vehicle communication interface (MVCi) — Part 2: Diagnostic protocol data unit (D-PDU API)

ISO 23828:2022

Fuel cell road vehicles — Energy consumption measurement — Vehicles fuelled with compressed hydrogen

ISO/TC 23 TRACTOARE SI MATERIALE AGRICOLE SI FORESTIERE

ISO 24120-1:2022

Agricultural irrigation equipment — Guideline on the implementation of pressurized irrigation systems — Part 1: General principles of irrigation

ISO/TC 30 MASURAREA DEBITULUI FLUIDELOR ÎN CONDUCTE ÎNCHISE

ISO 5167-1:2022

Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 1: General principles and requirements

ISO 5167-2:2022

Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 2: Orifice plates

ISO 5167-4:2022

Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 4: Venturi tubes

ISO 9300:2022

Measurement of gas flow by means of critical flow nozzles

ISO/TC 34 PRODUSE ALIMENTARE

ISO 22003-1:2022

Food safety — Part 1: Requirements for bodies providing audit and certification of food safety management systems

ISO 22003-2:2022

Food safety — Part 2: Requirements for bodies providing evaluation and certification of products, processes and services, including an audit of the food safety system

ISO 23418:2022

Microbiology of the food chain — Whole genome sequencing for typing and genomic characterization of bacteria — General requirements and guidance

ISO/TC 35 VOPSELE SI LACURI

ISO 19403-1:2022

Paints and varnishes — Wettability — Part 1: Vocabulary and general principles

ISO/TC 37 TERMINOLOGIE SI ALTE RESURSE LINGVISTICE

ISO 12199:2022

Alphabetical ordering of multilingual terminological and lexicographical data represented in the Latin alphabet

ISO/TC 38 TEXTILE

ISO 24461:2022

Textiles — Anti-mosquito performance test method using the attractive blood feeding apparatus

ISO 24584:2022

Textiles — Smart textiles — Test method for sheet resistance of conductive textiles using non-contact type

ISO/TC 39 MASINI-UNELTE

ISO 230-12:2022

Test code for machine tools — Part 12: Accuracy of finished test pieces

ISO/TC 41 ROTI SI CURELE (INCLUSIV CURELE TRAPEZOIDALE)

ISO 7622-2:2022

Steel cord conveyor belts — Longitudinal traction test — Part 2: Measurement of tensile strength

ISO/TC 45 ELASTOMERI SI PRODUSE PE BAZA DE ELASTOMERI

ISO 34-1:2022

Rubber, vulcanized or thermoplastic —

Determination of tear strength — Part 1: Trouser, angle and crescent test pieces

ISO 34-2:2022

Rubber, vulcanized or thermoplastic — Determination of tear strength — Part 2: Small (Delft) test pieces

ISO 249:2016/Amd 1:2022

Rubber, raw natural — Determination of dirt content — Amendment 1

ISO 1138:2022

Rubber compounding ingredients — Carbon black — Determination of sulfur content

ISO 1431-1:2022

Rubber, vulcanized or thermoplastic — Resistance to ozone cracking — Part 1: Static and dynamic strain testing

ISO 1817:2022

Rubber, vulcanized or thermoplastic — Determination of the effect of liquids

ISO 5794-1:2022

Rubber compounding ingredients — Silica, precipitated, hydrated — Part 1: Non-rubber tests

ISO 19983:2022

Rubber — Determination of precision of test methods

ISO 21869:2022

Rubber compounding ingredients — Magnesium oxide — Methods of test

ISO/TC 46 INFORMARE SI DOCUMENTARE

ISO 3297:2022

Information and documentation — International standard serial number (ISSN)

ISO/TC 58 BUTELII PENTRU GAZ

ISO 23876:2022

Gas cylinders — Cylinders and tubes of composite construction — Acoustic emission examination (AT) for periodic inspection and testing

ISO/TC 59 CONSTRUCTII IMOBILIARE

ISO 21931-1:2022

Sustainability in buildings and civil engineering works — Framework for methods of assessment of the environmental, social and economic performance of construction works as a basis for sustainability assessment — Part 1: Buildings

ISO/TC 61 MATERIALE PLASTICE

ISO 1133-1:2022

Plastics — Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics — Part 1: Standard method

ISO 5148:2022

Plastics — Determination of specific aerobic biodegradation rate of solid plastic materials and disappearance time (DT50) under mesophilic laboratory test conditions

ISO 14899:2022

Plastics — Polyols for use in the production of polyurethanes — Determination of basicity

ISO 16152:2022

Plastics — Determination of xylene-soluble matter in polypropylene

ISO 16396-2:2022

Plastics — Polyamide (PA) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties

ISO 22007-2:2022

Plastics — Determination of thermal conductivity and thermal diffusivity — Part 2: Transient plane heat source (hot disc) method

ISO/TC 67 MATERIALE, ECHIPAMENT SI STRUCTURI MARINE PENTRU INDUSTRIILE PETROLULUI SI GAZELOR NATURALE

ISO 3421:2022

Petroleum and natural gas industries — Drilling and production equipment — Offshore conductor design, setting depth and installation

ISO 19901-2:2022

Petroleum and natural gas industries — Specific requirements for offshore structures — Part 2: Seismic design procedures and criteria

ISO/TC 70 MOTOARE CU ARDERE INTERNA

ISO 8528-5:2022

Reciprocating internal combustion engine driven alternating current generating sets — Part 5: Generating sets

ISO/TC 76 APARATURA DE TRANSFUZIE, PERFUZIE, INJECTIE, PENTRU UTILIZARE MEDICALA SI FARMACEUTICA

ISO 8536-3:2009/Amd 1:2022

Infusion equipment for medical use — Part 3: Aluminium caps for infusion bottles — Amendment 1

ISO/TC 79 METALE USOARE SI ALIAJELE LOR

ISO 18768-1:2022

Organic coatings on aluminium and its alloys — Methods for specifying decorative and protective organic coatings on aluminium — Part 1: Powder coatings

ISO 18768-2:2022

Organic coatings on aluminium and its alloys — Methods for specifying decorative and protective organic coatings on aluminium — Part 2: Liquid coatings

ISO/TC 82 EXPLOATARI MINIERE-ÎN AȘTEPTARE**ISO 23875:2021/Amd 1:2022**

Mining — Air quality control systems for operator enclosures — Performance requirements and test methods — Amendment 1

ISO/TC 85 ENERGIE NUCLEARA**ISO 19461-2:2022**

Radiological protection — Measurement for the clearance of waste contaminated with radioisotopes for medical application — Part 2: Management of solid radioactive waste in nuclear medicine facilities

ISO/TC 86 TEHNICA FRIGULUI SI CLIMATIZARE**ISO 16494-1:2022**

Heat recovery ventilators and energy recovery ventilators — Method of test for performance — Part 1: Development of metrics for evaluation of energy related performance

ISO/TC 92 SECURITATE LA INCENDIU**ISO 3182:2022**

Light measuring system for smoke emission testing

ISO/TC 94 SECURITATEA PERSOANEI- ÎMBRACĂMINTE SI ECHIPAMENTE DE PROTECTIE**ISO 12312-1:2022**

Eye and face protection — Sunglasses and related eyewear — Part 1: Sunglasses for general use

ISO/TC 107 ACOPERIRI METALICE SI ALTE ACOPERIRI ANORGANICE**ISO 4528:2022**

Vitreous and porcelain enamel finishes — Selection of test methods for vitreous and porcelain enamelled areas of articles

ISO/TC 121 ECHIPAMENTE PENTRU ANESTEZIE SI REANIMARE**ISO 16628:2022**

Anaesthetic and respiratory equipment — Tracheobronchial tubes

ISO 18778:2022

Respiratory equipment — Particular requirements for basic safety and essential performance of infant cardiorespiratory monitors

ISO/TC 123 LAGARE**ISO 7905-4:2022**

Plain bearings — Bearing fatigue — Part 4: Tests on half-bearings of a metallic multilayer bearing material

ISO 20054:2022

Plain bearings — Bearings containing dispersed solid lubricants

ISO/TC 127 MASINI DE TERASAMENT**ISO 19014-2:2022**

Earth-moving machinery — Functional safety — Part 2: Design and evaluation of hardware and architecture requirements for safety-related parts of the control system

ISO/TC 130 TEHNOLOGIE GRAFICA**ISO 19445:2022**

Graphic technology — Metadata for graphic arts workflow — XMP metadata for image and document proofing

ISO/TC 131 SISTEME HIDRAULICE SI PNEUMETICE**ISO 6149-1:2022**

Connections for hydraulic fluid power and general use — Ports and stud ends with ISO 261 metric threads and O-ring sealing — Part 1: Ports with truncated housing for O-ring seal

ISO 8133:2022

Hydraulic fluid power — Mounting dimensions for accessories for single rod cylinders, 16 MPa (160 bar) compact series

ISO/TC 132 FERROLIAJE**ISO 4298:2022**

Manganese ores and concentrates — Determination of manganese content — Potentiometric method

ISO/TC 138 TEVI, FITINGURI SI ROBINETE DE MATERIALE PLASTICE PENTRU TRANSPORTUL FLUIDELOR**ISO 13266:2022**

Thermoplastics piping systems for non-pressure

underground drainage and sewerage — Thermoplastics shafts or risers for inspection chambers and manholes — Determination of resistance against surface and traffic loading

ISO 13267:2022

Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics inspection chamber and manhole bases — Test methods for buckling resistance

ISO 13268:2022

Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics shafts or risers for inspection chambers and manholes — Determination of ring stiffness

ISO 13479:2022

Polyolefin pipes for the conveyance of fluids — Determination of resistance to crack propagation — Test method for slow crack growth on notched pipes

ISO 15874-1:2013/Amd 1:2022

Plastics piping systems for hot and cold water installations — Polypropylene (PP) — Part 1: General — Amendment 1: Impact test

ISO 15874-2:2013/Amd 2:2022

Plastics piping systems for hot and cold water installations — Polypropylene (PP) — Part 2: Pipes — Amendment 2: Impact test

ISO/TC 154 PROCESSE, ELEMENTE ÎN INFORMATICE SI DOCUMENTE ÎN COMERT, INDUSTRIE SI ADMINISTRATIE

ISO 14533-1:2022

Processes, data elements and documents in commerce, industry and administration — Long term signature — Part 1: Profiles for CMS Advanced Electronic Signatures (CAES)

ISO/TC 163 PERFORMANTA TERMICA SI UTILIZAREA ENERGIEI TERMICE ÎN CLADIRI

ISO 12241:2022

Thermal insulation for building equipment and industrial installations — Calculation rules

ISO 24260:2022

Thermal insulation products — Hemp fiber mat and board — Specification

ISO/TC 164 ÎNCERCARI MECANICE ALE METALELOR

ISO 23838:2022

Metallic materials — High strain rate torsion test at room temperature

ISO/TC 165 STRUCTURI DE LEMN

ISO 23478:2022

Bamboo structures — Engineered bamboo products — Test methods for determination of physical and mechanical properties

ISO/TC 172 OPTICA SI FOTONICA

ISO 8980-3:2022

Ophthalmic optics — Uncut finished spectacle lenses — Part 3: Transmittance specifications and test methods

ISO 13696:2022

Optics and photonics — Test method for total scattering by optical components

ISO/TC 184 SISTEME DE AUTOMATIZARI INDUSTRIALE SI STRUCTURI DE INTEGRARE

ISO 23218-1:2022

Industrial automation systems and integration — Numerical control systems for machine tools — Part 1: Requirements for numerical control systems

ISO 23704-1:2022

General requirements for cyber-physically controlled smart machine tool systems (CPSMT) — Part 1: Overview and fundamental principles

ISO 23704-2:2022

General requirements for cyber-physically controlled smart machine tool systems (CPSMT) — Part 2: Reference architecture of CPSMT for subtractive manufacturing

ISO/TC 188 NAVE MICI

ISO 10592:2022

Small craft — Remote hydraulic steering systems

ISO 13590:2022

Small craft — Personal watercraft — Construction and system installation requirements

ISO/TC 189 PLACI CERAMICE

ISO 10545-20:2022

Ceramic tiles — Part 20: Determination of deflection of ceramic tiles for calculating their radius of curvature

ISO/TC 198 STERILIZAREA PRODUSELOR DE ÎNGRIJIREA SANATATII

ISO 11137-2:2013/Amd 1:2022

Sterilization of health care products — Radiation — Part 2: Establishing the sterilization dose — Amendment 1

ISO 18362:2016/Amd 1:2022

Manufacture of cell-based health care products —
Control of microbial risks during processing —
Amendment 1

**ISO/TC 201 ANALIZE CHIMICE DE
SUPRAFATA****ISO 18115-3:2022**

Surface chemical analysis — Vocabulary — Part
3: Terms used in optical interface analysis

ISO 23170:2022

Surface chemical analysis — Depth profiling —
Non-destructive depth profiling of nanoscale
heavy metal oxide thin films on Si substrates with
medium energy ion scattering

ISO/TC 207 MANAGEMENTUL MEDIULUI**ISO 14015:2022**

Environmental management — Guidelines for
environmental due diligence assessment

ISO 14017:2022

Environmental management — Requirements
with guidance for verification and validation of
water statements

**ISO/TC 209 CAMERE CURATE SI MEDII
CONTROLATE ASOCIATE****ISO 14644-8:2022**

Cleanrooms and associated controlled
environments — Part 8: Assessment of air
cleanliness by chemical concentration (ACC)

**ISO/TC 213 SPECIFICATII SI VERIFICARI
DIMENSIONALE SI GEOMETRICE
ALE PRODUSELOR****ISO 1:2022**

Geometrical product specifications (GPS) —
Standard reference temperature for the
specification of geometrical and dimensional
properties

ISO/TC 217 COSMETICE**ISO 24442:2022**

Cosmetics — Sun protection test methods — In
vivo determination of sunscreen UVA protection

ISO/TC 218 LEMN**ISO 13061-8:2022**

Physical and mechanical properties of wood —
Test methods for small clear wood specimens —
Part 8: Determination of ultimate strength in
shearing parallel to grain

**ISO/TC 249 MEDICINA TRADITIONALA
CHINEZEASCA****ISO 24571:2022**

Traditional Chinese medicine — General
requirements for the basic safety and essential
performance of electro-acupuncture stimulators

**ISO/TC 268 DEZVOLTAREA DURABILA ÎN
COMUNITATI****ISO 37110:2022**

Sustainable cities and communities —
Management requirements and recommendations
for open data for smart cities and communities —
Overview and general principles

**ISO/TC 268/SC 2 Mobilité et transports
durables****ISO 37168:2022**

Smart community infrastructures — Guidance on
smart transportation by Electric, Connected and
Autonomous Vehicles (eCAVs) and its application
to on-demand responsive passenger services with
shared vehicles

ISO 37181:2022

Smart community infrastructures — Smart
transportation by autonomous vehicles on public
roads

ISO 37182:2022

Smart community infrastructures — Smart
transportation for fuel efficiency and pollution
emission reduction in bus transportation services

ISO/TC 269 APLICATII FERROVIARE**ISO 4975:2022**

Railway applications — Braking system — Quality
of compressed air for pneumatic apparatus and
systems

ISO/PC 316**ISO 31600:2022**

Water efficiency labelling programmes —
Requirements with guidance for implementation



SyC LVDC

IEC 63318:2022

Specifications for SELV DC systems conforming to the ESMAP multi-tier framework tier 2 and tier 3 requirements for household electricity supply

SyC Smart Cities

IEC SRD 63233-1:2022

Smart city standards inventory and mapping - Part 1: Methodology

IEC/TC 1 TERMINOLOGIE

IEC 60050-113:2011/A5:2022

Amendment 5 - International Electrotechnical Vocabulary (IEV) - Part 113: Physics for electrotechnology

IEC/TC 2 MASINI ELECTRICE ROTATIVE

IEC TS 60034-25:2022

Rotating electrical machines - Part 25: AC electrical machines used in power drive systems - Application guide

IEC TS 60034-25:2022 CMV

Rotating electrical machines - Part 25: AC electrical machines used in power drive systems - Application guide

IEC/TC 100 SISTEME SI ECHIPAMENTE AUDIO, VIDEO SI MULTIMEDIA

IEC 62702-1-1:2022

Audio archive system - Part 1-1: DVD disk and data migration for long-term audio data storage

IEC 62702-1-2:2022

Audio archive system - Part 1-2 : BD disk and data migration for long-term audio data storage

IEC/TC 8 ASPECTE ALE SISTEMULUI DE FURNIZARE A ENERGIEI ELECTRICE

IEC TR 63401-2:2022

Dynamic characteristics of inverter-based resources in bulk power systems - Part 2: Sub- and Super-synchronous control Interactions

IEC TR 63401-4:2022

Dynamic characteristics of inverter-based resources in bulk power systems - Part 4: Behaviour of inverter-based resources in response to bulk grid faults

IEC/TC 13 MASURAREA ENERGIEI ELECTRICE, TARIFE SI CONTROLUL SARCINII

IEC 62055-31:2022

Electricity metering - Payment systems - Part 31: Particular requirements - Static payment meters for active energy (classes 0,5, 1 and 2)

IEC 62055-31:2022 CMV

Electricity metering - Payment systems - Part 31: Particular requirements - Static payment meters for active energy (classes 0,5, 1 and 2)

IEC/TC 15 MATERIALE ELECTROIZOLANTE SOLIDE

IEC 60674-3-4:2022

Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheets 4: Polyimide films used for electrical insulation

IEC/TC 17 APARATAJ ELECTRIC

IEC 62271-202:2022

High-voltage switchgear and controlgear - Part 202: AC prefabricated substations for rated voltages above 1 kV and up to and including 52 kV

IEC 62271-212:2022

High-voltage switchgear and controlgear - Part 212: Compact Equipment Assembly for Distribution Substation (CEADS) for AC voltages up to 52 kV

IEC/TC 21 ELEMENTE GALVANICE SECUNDARE SI ACUMULATOARE

IEC 62485-5:2020/C1:2022

Corrigendum 1 - Safety requirements for secondary batteries and battery installations - Part 5: Safe operation of stationary lithium ion batteries

IEC/TC 23 ACCESORII ELECTRICE

IEC 63044-5-1:2017/A1:2022

Amendment 1 - Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-1: EMC requirements, conditions and test set-up

IEC 63044-5-1:2017+A1:2022 CSV

Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-1: EMC requirements, conditions and test set-up

IEC 63044-5-2:2017/A1:2022

Amendment 1 - Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments

IEC 63044-5-2:2017+A1:2022 CSV

Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments

IEC 63044-5-3:2017/A1:2022

Amendment 1 - Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-3: EMC requirements for HBES/BACS used in industrial environments

IEC 63044-5-3:2017+A1:2022 CSV

Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-3: EMC requirements for HBES/BACS used in industrial environments

IEC/TC 29 ELECTROACUSTICA

IEC 60318-7:2022

Electroacoustics - Simulators of human head and ear - Part 7: Head and torso simulator for the measurement of sound sources close to the ear

IEC/TC 34 LAMPI SI ECHIPAMENTUL ASOCIAT

IEC 62493:2015/A1:2022

Amendment 1 - Assessment of lighting equipment related to human exposure to electromagnetic fields

IEC 62493:2015+A1:2022 CSV

Assessment of lighting equipment related to human exposure to electromagnetic fields

IEC 62722-1:2022

Luminaire performance - Part 1: General requirements

IEC/TC 35 ELEMENTE GALVANICE PRIMARE SI BATERII

IEC 60086-1:2021/C1:2022

Corrigendum 1 - Primary batteries - Part 1: General

IEC 60086-2:2021/C1:2022

Corrigendum 1 - Primary batteries - Part 2: Physical and electrical specifications

IEC 60086-5:2021/C1:2022

Corrigendum 1 - Primary batteries - Part 5: Safety of batteries with aqueous electrolyte

IEC/TC 37 DESCARCATOARE

IEC 61643-31:2018/C1:2022

Corrigendum 1 - Low-voltage surge protective devices - Part 31: Requirements and test methods for SPDs for photovoltaic installations

IEC/TC 40 CONDENSATOARE SI REZISTOARE ELECTRONICE

IEC TR 60286-3-4:2021/C1:2022

Corrigendum 1 - Packaging of components for automatic handling - Part 3-4: Packaging of surface mount components on continuous embossed tapes for Auto Loading Feeder

IEC/TC 46 CABLURI, CONDUCTOARE, GHIDURI DE UNDA, CONECTOARE DE RADIOFRECVENTA, COMPONENTE SI ACCESORII PASIVE PENTRU MICROUNDURI SI RADIOFRECVENTA

IEC 60153-4:2022

Hollow metallic waveguides - Part 4: Relevant specifications for circular waveguides

IEC 60966-2-8:2022

Radio frequency and coaxial cable assemblies - Part 2-8: Detail specification for cable assemblies for radio and TV receivers - Frequency range up to 3000 MHz, Screening class A++, IEC 61169-47 connectors

IEC 60966-4-2:2022

Radio frequency and coaxial cable assemblies - Part 4-2: Detail specification for semi rigid cable assemblies (jumper) - Frequency range up to 6000 MHz, type 50-9 semi-rigid coaxial cable

IEC 60966-4-3:2022

Radio frequency and coaxial cable assemblies - Part 4-3: Detail specification for semi-rigid cable assemblies - Frequency range up to 6 000 MHz, type 50-12 low loss semi-rigid coaxial cable

IEC 62783-1-1:2022

Twinax cables for digital communications - Part 1-1: Time domain test methods for twinax cables for digital communications - General requirements

IEC/TC 59 APTITUDINILE DE FUNCTIONARE ALE APARATELOR ELECTROCASNICE

IEC/ASTM 62885-7:2020/A1:2022

Amendment 1 - Surface cleaning appliances - Part 7: Dry cleaning robots for household or similar use - Methods for measuring the performance

IEC/ASTM 62885-7:2020+A1:2022 CSV

Surface cleaning appliances - Part 7: Dry cleaning robots for household or similar use - Methods for measuring the performance

IEC/TC 62 ECHIPAMENTE ELECTROMEDICALE

IEC 60336:2020/C1:2022

Corrigendum 1 - Medical electrical equipment - X-ray tube assemblies for medical diagnosis - Focal spot dimensions and related characteristics

IEC 61223-3-5:2019/C1:2022

Corrigendum 1 - Evaluation and routine testing in medical imaging departments - Part 3-5: Acceptance and constancy tests - Imaging performance of computed tomography X-ray equipment

IEC 62985:2019/C1:2022

Corrigendum 1 - Methods for calculating size specific dose estimates (SSDE) for computed tomography

**IEC/TC 65 MASURA SI COMANDA ÎN
PROCESELE INDUSTRIALE**

IEC 62657-2:2022

Industrial communication networks - Coexistence of wireless systems - Part 2: Coexistence management

**IEC/TC 77 COMPATIBILITATE
ELECTROMAGNETICA**

IEC TR 61000-1-4:2022

Electromagnetic compatibility (EMC) - Part 1-4: General - Historical rationale for the limitation of power-frequency conducted harmonic current emissions from equipment, in the frequency range up to 2 kHz

**IEC/TC 82 SISTEME DE CONVERSIE
FOTOVOLTAICA A ENERGIEI
SOLARE**

IEC 62108:2022

Concentrator photovoltaic (CPV) modules and assemblies - Design qualification and type approval

IEC TS 63202-4:2022

Photovoltaic cells - Part 4: Measurement of light and elevated temperature induced degradation of crystalline silicon photovoltaic cells

IEC TS 63265:2022

Photovoltaic power systems - Reliability practices for operation

IEC/TC 86 FIBRE OPTICE

IEC 60793-1-1:2022

Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance

IEC 61290-1:2022

Optical amplifiers - Test methods - Part 1: Power and gain parameters

IEC 61754-20:2012/A1:2022

Amendment 1 - Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 20: Type LC connector family

IEC 61754-20:2012+A1:2022 CSV

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 20: Type LC connector family

IEC 61757-4-3:2020/C1:2022

Corrigendum 1 - Fibre optic sensors - Part 4-3: Electric current measurement - Polarimetric method

**IEC/TC 91 TEHNOLOGIA ASAMBLARII
COMPONENTELOR ELECTRONICE**

IEC TR 61760-3-1:2022

Surface mounting technology - Part 3-1: Standard method for the specification of components for through hole reflow (THR) soldering – Guidelines for through hole diameter design with solder paste surface printing method

IEC/TC 101 ELECTROSTATICA

IEC 61340-2-1:2015/A1:2022

Amendment 1 - Electrostatics - Part 2-1: Measurement methods - Ability of materials and products to dissipate static electric charge

IEC 61340-2-1:2015+A1:2022 CSV

Electrostatics - Part 2-1: Measurement methods - Ability of materials and products to dissipate static electric charge

IEC PAS 61340-5-6:2022

Electrostatics - Part 5-6 : Protection of electronic devices from electrostatic phenomena - Process assessment techniques

**IEC/TC 104 CONDITII DE MEDIU,
CLASIFICARE SI METODE DE
ÎNCERCARE**

IEC 60721-3-2:2018/C2:2022

Corrigendum 2 - Classification of environmental conditions - Part 3-2: Classification of groups of environmental parameters and their severities - Transportation and handling

**IEC/TC 110 DISPOZITIVE DE AFISARE
PLANE**

IEC 62906-5-4:2018/C1:2022

Corrigendum 1 - Laser display devices - Part 5-4: Optical measuring methods of colour speckle

**IEC/TC 112 EVALUAREA SI CALIFICAREA
MATERIALELOR IZOLATOARE
ELECTRICE SI A SISTEMELOR**

IEC 60544-5:2022

Electrical insulating materials - Determination of the effects of ionizing radiation - Part 5: Procedures for assessment of ageing in service

IEC/TC 115**IEC TR 63065:2017/A1:2022**

Amendment 1 - Guidelines for operation and

maintenance of line commutated converter (LCC) HVDC converter station

IEC TR 63065:2017+A1:2022 CSV

Guidelines for operation and maintenance of line commutated converter (LCC) HVDC converter station



**PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE
INTERNAȚIONALE ISO SUPUSE ANCHETEI PUBLICE**

În perioada **2022.06.01 – 2022.06.30**

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observații orice persoană fizică sau juridică, la adresa asro@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.

CIE**COMISIA INTERNAȚIONALĂ
PENTRU ILUMINAT****ISO/CIE DIS 23603**

Standard method of assessing the spectral quality of daylight simulators for visual appraisal and measurement of colour
dea: 2022-09-20

ISO/IEC JTC 1 TEHNOLOGIA INFORMATIEI**ISO/IEC DIS 3721-2**

Information technology - Information model for mixed and augmented reality content — Part 2: Augmentation style specification
dea: 2022-09-16

ISO/IEC DIS 4396-4

Telecommunications and information exchange between systems — Future network recursive inter-network architecture — Part 4: Complete enrollment procedures
dea: 2022-09-19

ISO/IEC DIS 4396-5

Telecommunications and information exchange between systems — Future network recursive inter-network architecture — Part 5: Incremental enrollment procedures
dea: 2022-09-22

ISO/IEC DIS 4396-6

Telecommunications and information exchange between systems — Future network recursive inter-network architecture — Part 6: RINA data transfer service
dea: 2022-09-22

ISO/IEC DIS 4396-8

Telecommunications and information exchange between systems — Future network recursive

inter-network architecture — Part 8: RINA general delimiting procedures
dea: 2022-09-22

ISO/IEC DIS 17360

Automatic identification and data capture techniques — Supply chain applications of RFID — Product tagging, product packaging, transport units, returnable transport units (RTIs) and returnable packaging items (RPIs)
dea: 2022-09-07

ISO/IEC DIS 22123-2

Information technology — Cloud computing — Part 2: Concepts
dea: 2022-08-30

ISO/IEC DIS 24787-1

Information technology – On-card biometric comparison — Part 1: General principles and specifications
dea: 2022-08-31

ISO/IEC DIS 24787-2

Information Technology – On-card biometric comparison — Part 2: Work-sharing mechanism
dea: 2022-08-31

ISO/TC 6 HÂRTIE, CARTON SI CELULOZA**ISO/DIS 8784-2**

Pulp, paper and board — Microbiological examination — Part 2: Enumeration of bacteria, yeast and mould on surface
dea: 2022-08-31

ISO/DIS 12625-12

Tissue paper and tissue products — Part 12: Determination of tensile strength of perforated lines — Calculation of perforation efficiency
dea: 2022-08-29

ISO/TC 8 NAVE SI TEHNOLOGIE MARITIMA

ISO/DIS 4857

Ships and marine technology — Test procedures and methods for windlasses and winches
dea: 2022-08-31

ISO/DIS 4861

Ships and marine technology — Piling barge winches
dea: 2022-09-01

ISO/DIS 4862

Ships and marine technology — Winches for trailing suction hopper dredger
dea: 2022-09-01

ISO/DIS 5476

Ships and Marine Technology — Virtual reality and simulation training systems for lifesaving appliances and arrangements
dea: 2022-09-06

ISO/DIS 5483

Ships and marine technology — Drain facilities from oil and water tanks
dea: 2022-09-02

ISO/DIS 5528

Ships and marine technology — Deep-sea hydraulic winch equipments
dea: 2022-09-19

ISO/DIS 5556

Ships and marine technology — Sea-going vessels — Single-drum winches for oceanographic research
dea: 2022-09-15

ISO/DIS 23807

Ships and marine technology — General requirements for the asynchronous time-insensitive ship-shore data transmission
dea: 2022-09-01

IEC/IEEE 80005-1:2019/DAmD 2

Utility connections in port — Part 1: High voltage shore connection (HVSC) systems — General requirements — Amendment 2
dea: 2022-08-26

ISO/TC 17 OTEL

ISO/DIS 4998

Steel sheet, zinc-coated and zinc-iron alloy-coated by the continuous hot-dip process, of structural quality
dea: 2022-08-26

ISO/TC 20 AERONAUTICA SI SPATIU

ISO/DIS 23629-8

UAS Traffic Management (UTM) — Part 8:

Remote identification

dea: 2022-08-29

ISO/DIS 24113

Space systems — Space debris mitigation requirements
dea: 2022-08-29

ISO/TC 22 VEHICULE RUTIERE

ISO/DIS 3894

Road vehicles — Wheels/rims for commercial vehicles — Test methods
dea: 2022-09-15

ISO/DIS 10605

Road vehicles — Test methods for electrical disturbances from electrostatic discharge
dea: 2022-09-15

ISO/DIS 11451-5

Road vehicles — Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy — Part 5: Reverberation chamber
dea: 2022-09-16

ISO/DIS 15031-3

Road vehicles — Communication between vehicle and external equipment for emissions-related diagnostics — Part 3: Diagnostic connector and related electrical circuits: Specification and use
dea: 2022-09-21

ISO/DIS 16750-1

Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 1: General
dea: 2022-08-29

ISO/DIS 16750-3

Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 3: Mechanical loads
dea: 2022-08-30

ISO/DIS 16750-4

Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads
dea: 2022-08-29

ISO/DIS 16750-5

Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 5: Chemical loads
dea: 2022-08-29

ISO/DIS 19642-1

Road vehicles — Automotive cables — Part 1: Vocabulary and design guidelines
dea: 2022-09-08

ISO/DIS 19642-2

Road vehicles — Automotive cables — Part 2:
Test methods
dea: 2022-09-01

ISO/DIS 23150

Road vehicles — Data communication between
sensors and data fusion unit for automated driving
functions — Logical interface
dea: 2022-09-06

**ISO/TC 23 TRACTOARE SI MATERIALE
AGRICOLE SI FORESTIERE**

ISO/DIS 21622-2

Irrigation techniques — Remote monitoring and
control for irrigation — Part 2: Tests
dea: 2022-08-24

**ISO/TC 24 SITE, CERNERE SI ALTE METODE
DE SEPARARE
GRANULOMETRICA**

ISO/DIS 23484

Determination of particle concentration by
smallangle X-ray scattering (SAXS)
dea: 2022-09-05

**ISO/TC 28 PRODUSE PETROLIERE SI
LUBRIFIANTI**

ISO/DIS 12924

Lubricants, industrial oils and related products
(Class L) — Family X (Greases) — Specifications
dea: 2022-08-29

ISO/TC 29 SCULE MICI

ISO/DIS 8405

Tools for moulding — Ejector sleeves with
cylindrical head — Basic series for general
purposes
dea: 2022-08-25

ISO/TC 34 PRODUSE ALIMENTARE

ISO/DIS 20715

Tea classification
dea: 2022-09-15

ISO/TC 35 VOPSELE SI LACURI

ISO/DIS 20567-4

Paints and varnishes — Determination of stone-
chip resistance of coatings — Part 4: Mobile multi-
impact testing on a small testing area
dea: 2022-09-20

ISO/TC 38 TEXTILE

ISO/DIS 9073-13

Nonwovens — Test methods — Part 13:
Repeated liquid strike-through time (simulated

urine)

dea: 2022-09-01

ISO/DIS 9073-14

Nonwovens — Test methods — Part 14:
Coverstock wetback (simulated urine)
dea: 2022-08-30

ISO/TC 39 MASINI-UNELTE

ISO/DIS 2773

Test conditions for pillar type vertical drilling
machines — Testing of the accuracy
dea: 2022-08-25

ISO/DIS 19085-7

Woodworking machines — Safety — Part 7:
Surface planing, thickness planing, combined
surface/thickness planing machines
dea: 2022-09-08

ISO/DIS 19085-9

Woodworking machines — Safety — Part 9:
Circular saw benches (with and without sliding
table)
dea: 2022-09-15

ISO/TC 44 SUDARE SI PROCEDEE CONEXE

ISO/DIS 15614-2

Specification and qualification of welding
procedures for metallic materials — Welding
procedure test — Part 2: Arc welding of aluminium
and its alloys
dea: 2022-08-29

**ISO/TC 45 ELASTOMERI SI PRODUSE PE
BAZA DE ELASTOMERI**

ISO/DIS 188

Rubber, vulcanized or thermoplastic —
Accelerated ageing and heat resistance tests
dea: 2022-09-16

ISO/DIS 1407

Rubber — Determination of solvent extract
dea: 2022-09-15

ISO/DIS 5260

Epoxidized natural rubber — Determination of
epoxidation and ring opening level by NMR
spectrometry
dea: 2022-09-21

ISO/DIS 5978

Rubber or plastics-coated fabrics —
Determination of blocking resistance
dea: 2022-09-06

ISO/DIS 11346

Rubber, vulcanized or thermoplastic — Estimation
of life-time and maximum temperature of use
dea: 2022-08-29

ISO/DIS 22640

Rubber — Framework for physical and chemical characterization of tyre and road wear particles (TRWP)

dea: 2022-09-07

ISO/DIS 24483

Epoxidised natural rubber — Specifications

dea: 2022-09-21

ISO/TC 59 CONSTRUCTII IMOBILIARE

ISO/DIS 21928-2

Sustainability in buildings and civil engineering works — Sustainability indicators — Part 2: Framework for the development of indicators for civil engineering works

dea: 2022-09-01

ISO/TC 61 MATERIALE PLASTICE

ISO/DIS 182-3

Plastics — Determination of the tendency of compounds and products based on vinyl chloride homopolymers and copolymers to evolve hydrogen chloride and any other acidic products at elevated temperatures — Part 3:

Conductometric method

dea: 2022-09-01

ISO/DIS 293

Plastics — Compression moulding of test specimens of thermoplastic materials

dea: 2022-09-21

ISO/DIS 4410

Experimental characterization of in-plane permeability of fibrous reinforcements for liquid composite moulding

dea: 2022-09-22

ISO/DIS 4608

Plastics — Homopolymer and copolymer resins of vinyl chloride for general use — Determination of plasticizer absorption at room temperature

dea: 2022-09-19

ISO/DIS 11337

Plastics — Polyamides — Determination of ε-caprolactam and ω-lauro lactam by gas chromatography

dea: 2022-09-01

ISO/DIS 20753

Plastics — Test specimens

dea: 2022-09-22

ISO/TC 67 MATERIALE, ECHIPAMENT SI STRUCTURI MARINE PENTRU INDUSTRIILE PETROLULUI SI GAZELOR NATURALE

ISO/DIS 6338

Method to calculate GHG emissions at LNG plant

dea: 2022-09-06

ISO/DIS 15551

Petroleum and natural gas industries — Drilling and production equipment — Electric submersible pump systems for artificial lift

dea: 2022-09-07

ISO/TC 69 APLICATII ALE METODELOR STATISTICE

ISO/DIS 16355-7

Applications of statistical and related methods to new technology and product development process — Part 7: Guidelines for developing digitalized products and services — General Principles and Perspectives of the QFD Method

dea: 2022-09-16

ISO/TC 70 MOTOARE CU ARDERE INTERNA

ISO/DIS 4548-13

Methods of test for full-flow lubricating oil filters for internal combustion engines — Part 13: Static burst pressure test for composite filter housings

dea: 2022-09-20

ISO/TC 76 APARATURA DE TRANSFUZIE, PERFUZIE, INJECTIE, PENTRU UTILIZARE MEDICALA SI FARMACEUTICA

ISO 3826-1:2019/DAmD 1

Plastics collapsible containers for human blood and blood components — Part 1: Conventional containers — Amendment 1

dea: 2022-09-08

ISO/TC 85 ENERGIE NUCLEARA

ISO/DIS 20043-2

Measurement of radioactivity in the environment — Guidelines for effective dose assessment using environmental monitoring data — Part 2: Nuclear emergency exposure situation

dea: 2022-09-02

ISO/TC 92 SECURITATE LA INCENDIU

ISO/DIS 24678-4

Fire Safety Engineering - Requirements governing algebraic formulae — Part 4: Smoke layers

dea: 2022-09-20

ISO/TC 94 SECURITATEA PERSOANEI- ÎMBRACAMINTE SI ECHIPAMENTE DE PROTECTIE

ISO/DIS 13997

Protective clothing — Mechanical properties — Determination of resistance to cutting by sharp

objects
dea: 2022-09-01

ISO/TC 106 STOMATOLOGIE

ISO/DIS 10394

Dentistry — Designation system for supernumerary teeth
dea: 2022-09-02

ISO/TC 110 CARUCIOARE DE MANIPULARE

ISO/DIS 3691-1

Industrial trucks — Safety requirements and verification — Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks
dea: 2022-08-25

ISO/DIS 20297-2

Industrial trucks — Lorry-mounted trucks — Part 2: Safe use requirements
dea: 2022-09-08

ISO/TC 126 TUTUN SI PRODUSE DIN TUTUN

ISO/DIS 3402

Tobacco and tobacco products — Atmosphere for conditioning and testing
dea: 2022-08-25

ISO/TC 127 MASINI DE TERASAMENT ISO 13459:2012/DAMd 1

Earth-moving machinery — Trainer seat — Deflection limiting volume, space envelope and performance requirements — Amendment 1
dea: 2022-09-15

ISO/TC 130 TEHNOLOGIE GRAFICA

ISO/DIS 12641-1

Graphic technology — Prepress digital data exchange — Colour targets for input scanner calibration — Part 1: Colour targets for input scanner calibration
dea: 2022-09-01

ISO/TC 134 ÎNGRASAMINTE - ÎN AȘTEPTARE

ISO/DIS 6181

Fertilizers and soil conditioners — Liquid methylen-urea slow release fertilizers — General requirements
dea: 2022-09-20

ISO/TC 136 MOBILIER

ISO/DIS 9098-1

Bunk beds and high beds — Safety requirements

and tests — Part 1: Safety requirements
dea: 2022-09-21

ISO/DIS 9098-2

Bunk beds for domestic use — Safety requirements and tests — Part 2: Test methods
dea: 2022-09-20

ISO/TC 138 TEVI, FITINGURI SI ROBINETE DE MATERIALE PLASTICE PENTRU TRANSPORTUL FLUIDELOR

ISO/DIS 9854-1

Thermoplastics pipes for the transport of fluids — Determination of Charpy impact properties — Part 1: General test method
dea: 2022-09-16

ISO/DIS 9854-2

Thermoplastics pipes for the transport of fluids — Determination of Charpy impact properties — Part 2: Test conditions for pipes of various materials
dea: 2022-09-16

ISO/TC 147 CALITATEA APEI

ISO/DIS 4979

Water quality — Aquatic toxicity test based on root re-growth in Lemna minor
dea: 2022-09-02

ISO/TC 156 COROZIUNEA METALELOR SI ALIAJELOR

ISO/DIS 4905

Corrosion of metals and alloys — Electrochemical test methods — Guideline for electrochemical measurements in high temperature molten salts
dea: 2022-09-07

ISO/TC 163 PERFORMANTA TERMICA SI UTILIZAREA ENERGIEI TERMICE ÎN CLADIRI

ISO/DIS 18393-1

Thermal insulation products — Determination of ageing by settlement — Part 1: Blown loose fill insulation for ventilated attics simulating humidity and temperature cycling
dea: 2022-09-01

ISO/TC 172 OPTICA SI FOTONICA

ISO/DIS 9342-1

Optics and optical instruments — Test lenses for calibration of focimeters — Part 1: Reference lenses for focimeters used for measuring spectacle lenses
dea: 2022-09-02

ISO/TC 181 SECURITATEA JUCARIILOR

ISO/DIS 8124-6

Safety of toys — Part 6: Certain phthalate esters in toys and children's products
dea: 2022-09-19

**ISO/TC 184 SISTEME DE AUTOMATIZARI
INDUSTRIALE SI STRUCTURI DE
INTEGRARE**

ISO/DIS 24644-1

Mass customization value chain management — Part 1: Framework
dea: 2022-09-02

ISO/TC 190 CALITATEA SOLULUI

ISO/DIS 22036

Soil, treated biowaste and sludge — Determination of elements using inductively coupled plasma optical emission spectrometry (ICP-OES)
dea: 2022-09-06

**ISO/TC 195 MASINI SI UTILAJE PENTRU
CONSTRUCTII**

ISO/DIS 24147

Road operation machinery and associated equipment — Road surface cleaning machines — Terminology and commercial specifications
dea: 2022-09-01

ISO/TC 206 CERAMICA TEHNICA

ISO/DIS 20505

Fine ceramics (advanced ceramics, advanced technical ceramics) — Mechanical properties of ceramic composites at room temperature — Determination of the interlaminar shear strength and shear modulus of continuous-fibre-reinforced composites by the compression of double-notched test pieces and by the Iosipescu test
dea: 2022-09-20

ISO/TC 211 INFORMATII GEOGRAFICE

ISO/DIS 19150-6

Geographic information — Ontology — Part 6: Service ontology register
dea: 2022-08-31

ISO/TC 238 BIOCMBUSTIBILI SOLIZI

ISO/DIS 18123

Solid biofuels — Determination of volatile matter
dea: 2022-09-06

ISO/DIS 18134-3

Solid biofuels — Determination of moisture content — Oven dry method — Part 3: Moisture in general analysis sample
dea: 2022-09-08

**ISO/TC 244 CUPTOARE INDUSTRIALE SI
ECHIPAMENTE TERMICE
ASOCIATE**

ISO/DIS 20431

Heat treatment — Control of quality
dea: 2022-08-29

**ISO/TC 249 MEDICINA TRADITIONALA
CHINEZEASCA**

ISO/DIS 22587

Traditional Chinese Medicine — Acupoint magnetotherapy plaster for single use
dea: 2022-08-31

**ISO/TC 260 MANAGEMENTUL
RESURSELOR UMANE**

ISO/DIS 30405

Human resource management — Guidelines on recruitment
dea: 2022-08-26

ISO/DIS 30434

Human resource management — Workforce allocation
dea: 2022-09-19

ISO/TC 282 RECICLAREA APEI

ISO/DIS 4789

Guidelines for wastewater treatment and reuse in thermal power plants
dea: 2022-08-30

ISO/TC 292 SECURITATE

ISO/DIS 22342

Security and resilience — Protective security — Guidelines for the development of a security plan for an organization
dea: 2022-09-20

ISO/TC 306 MASINI DE TURNATORIE

ISO/DIS 23779

Shot blasting machinery — safety and environmental requirements
dea: 2022-09-16

În perioada **2022.06.01 – 2022.06.30**

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observații orice persoană fizică sau juridică, la adresa asro@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.

IEC/TC 2 MASINI ELECTRICE ROTATIVE**IEC 60034-27-2 ED1**

Rotating electrical machines - Part 27-2: On-line partial discharge measurements on the stator winding insulation of rotating electrical machines
dea: 2022-08-26

IEC 60034-27-2 ED1

Rotating electrical machines - Part 27-2: On-line partial discharge measurements on the stator winding insulation of rotating electrical machines
dea: 2022-08-26

IEC/TC 15 MATERIALE ELECTROIZOLANTE SOLIDE**IEC 60626-1 ED4**

Combined flexible materials for electrical insulation - Part 1: Definitions and general requirements
dea: 2022-09-16

IEC/TC 18 INSTALATIILE ELECTRICE ALE NAVELOR SI ALE UNITATILOR MOBILE SI FIXE DE PE MARE**IEC/IEEE 80005-1/AMD2 ED2**

Amendment 2 - Utility connections in port - Part 1: High voltage shore connection (HVSC) systems - General requirements
dea: 2022-08-26

IEC/TC 20 CABLURI ELECTRICE**IEC 60840/AMD1 ED5**

Amendment 1 - Power cables with extruded insulation and their accessories for rated voltages above 30 kV ($U_m = 36$ kV) up to 150 kV ($U_m = 170$ kV) - Test methods and requirements
dea: 2022-09-02

IEC/TC 21 ELEMENTE GALVANICE SECUNDARE SI ACUMULATOARE**IEC 62620/AMD1 ED1**

Amendment 1 - Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for use in industrial applications
dea: 2022-08-26

IEC/TC 40 CONDENSATOARE SI REZISTOARE ELECTRONICE**IEC 60115-2 ED4**

Fixed resistors for use in electronic equipment - Part 2: Sectional specification: "Low power film resistors with leads for through-hole assembly on circuit boards (THT)
dea: 2022-09-02

IEC 60115-2-10 ED2

Fixed resistors for use in electronic equipment - Part 2-10: Blank detail specification: Low-power film resistors with leads for through-hole assembly on circuit boards (THT), for general electronic equipment, classification level G
dea: 2022-09-02

IEC/TC 46 CABLURI, CONDUCTOARE, GHIDURI DE UNDA, CONECTOARE DE RADIOFRECVENTA, COMPONENTE SI ACCESORII PASIVE PENTRU MICROUNDURI SI RADIOFRECVENTA**IEC 60966-2-1 ED4**

Radio frequency and coaxial cable assemblies - Part 2-1: Sectional specification for flexible coaxial cable assemblies
dea: 2022-08-26

IEC 60966-2-2 ED3

Radio frequency and coaxial cable assemblies - Part 2-2: Blank detail specification for flexible coaxial cable assemblies
dea: 2022-08-26

IEC 60966-3 ED4

Radio frequency and coaxial cable assemblies - Part 3: Sectional specification for semi-flexible coaxial cable assemblies
dea: 2022-08-26

IEC 60966-3-1 ED4

Radio frequency and coaxial cable assemblies - Part 3-1: Blank detail specification for semi-flexible coaxial cable assemblies
dea: 2022-08-26

IEC 60966-4 ED3

Radio frequency and coaxial cable assemblies - Part 4: Sectional specification for semi-rigid coaxial cable assemblies
dea: 2022-08-26

IEC 60966-4-1 ED3

Radio frequency and coaxial cable assemblies - Part 4-1: Blank detail specification for semi-rigid

coaxial cable assemblies
dea: 2022-08-26

IEC/TC 56 FIABILITATE

IEC 60300-1 ED4

Dependability management - Part 1: Managing dependability
dea: 2022-09-02

IEC/TC 61 SECURITATEA APARATELOR ELECTRICE DE UZ CASNIC

IEC 60335-2-103 ED4

Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows
dea: 2022-09-02

IEC 60335-2-11 ED9

Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers
dea: 2022-09-02

IEC 60335-2-95 ED5

Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use
dea: 2022-09-02

IEC 60335-2-97 ED4

Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for shutters, awnings, blinds and similar equipment
dea: 2022-09-02

IEC/TC 76 SECURITATEA ÎN UTILIZAREA RADIATIEI OPTICE SI A ECHIPAMENTELOR CU LASER

IEC 60601-2-57 ED2

Medical electrical equipment - Part 2-57: Particular requirements for the basic safety and essential performance of non-laser light source equipment intended for therapeutic, diagnostic, monitoring and cosmetic/aesthetic use
dea: 2022-09-16

IEC/TC 85 ECHIPAMENTE DE MASURARE A MARIMILOR ELECTRICE SI ELECTROMAGNETICE FUNDAMENTALE

IEC 61557-14 ED2

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 14: Equipment for testing the safety of electrical equipment of

machinery
dea: 2022-08-26

IEC 61557-16 ED2

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 16: Equipment for testing the effectiveness of the protective measures of electrical equipment and/or medical electrical equipment
dea: 2022-08-26

IEC 61557-7/AMD1 ED3

Amendment 1 - Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence
dea: 2022-08-26

IEC 61557-9 ED4

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 9: Equipment for insulation fault location in IT systems
dea: 2022-08-26

IEC/TC 86 FIBRE OPTICE

IEC 60793-1-44 ED3

Optical fibres - Part 1-44: Measurement methods and test procedures - Cut-off wavelength
dea: 2022-09-02

IEC 60794-1-303 ED1

Optical fibre cables - Part 1-303: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon dimensions - Aperture gauge, Method G3
dea: 2022-09-02

IEC 60794-2-22 ED2

Optical fibre cables - Part 2-22: Indoor cables - Detail specification for multi-simplex breakout optical cables for use in terminated breakout cable assemblies
dea: 2022-09-02

IEC 60794-2-50 ED3

Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated cable assemblies
dea: 2022-09-02

IEC 61300-2-6 ED3

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-6: Tests - Tensile strength of coupling mechanism
dea: 2022-09-02

IEC 61757-1-2 ED1

Fibre Optic Sensors - Part 1-2: Strain measurement - Distributed sensing based on Brillouin scattering
dea: 2022-09-16

**IEC/TC 91 TEHNOLOGIA ASAMBLARII
 COMPONENTELOR ELECTRONICE**

IEC 63215-2 ED1

Endurance test methods for die attach materials - Part 2: Temperature cycling test method for die attach materials applied to discrete type power electronic devices
dea: 2022-08-26

**IEC/TC 100 SISTEME SI ECHIPAMENTE
 AUDIO, VIDEO SI MULTIMEDIA**

IEC 60728-113 ED2

Cable networks for television signals, sound signals and interactive services - Part 113: Optical systems for broadcast signal transmissions loaded with digital channels only
dea: 2022-09-02

**IEC/TC 104 CONDITII DE MEDIU,
 CLASIFICARE SI METODE DE
 ÎNCERCARE**

IEC 60068-2-14 ED7

Environmental testing - Part 2-14: Tests - Test N: Change of temperature
dea: 2022-09-16

IEC 60068-2-17 ED5

Basic environmental testing procedures - Part 2-

17: Tests - Test Q: Sealing

dea: 2022-09-16

IEC 60068-3-1 ED3

Environmental testing - Part 3-1: Supporting documentation and guidance - Cold and dry heat tests

dea: 2022-09-16

IEC 60068-3-4 ED2

Environmental testing - Part 3-4: Supporting documentation and guidance - Damp heat tests

dea: 2022-09-16

**IEC/TC 121 APARATE SI ANSAMBLURI DE
 APARATE DE JOASA TENSIUNE**

IEC 60947-2 ED6

Low-voltage switchgear and controlgear - Part 2: Circuit-breakers

dea: 2022-08-26

IEC 61439-5 ED3

Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks

dea: 2022-09-02

IEC/TC 125

IEC 63281-0 ED1

E-Transporters - Terminology and classification

dea: 2022-08-26