



STANDARDIZAREA NAȚIONALĂ

STANDARDE APROBATE

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

01.040.01 Generalități. Terminologie. Standardizare. Documentare (Vocabulare)
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SR EN ISO 10209:2022 A
Documentație tehnică de produs. Vocabular.
Termeni referitori la desenele tehnice, la definirea produselor și la documentația asociată
Inlocuiește SR EN ISO 10209:2012

01.040.03 Servicii. Organizarea întreprinderilor, management și calitate . Administrare. Transport. Sociologie. (Vocabulare)
CT 27

SR EN 15602:2022 A
Servicii de securitate privată. Terminologie
Inlocuiește SR EN 15602:2008

01.040.13 Mediu. Protecția sănătății. Securitate. (Vocabulare)
CT 27

SR EN 15602:2022 A
Servicii de securitate privată. Terminologie
Inlocuiește SR EN 15602:2008

01.040.17 Metrologie și măsurare. Fenomene fizice (Vocabulare)

CT 109
SR EN ISO 772:2022 A
Hidrometrie. Vocabular și simboluri
Inlocuiește SR EN ISO 772:2012

01.040.25 Tehnici de fabricare (Vocabulare)
CT 157
SR EN ISO 2080:2022 A
Acoperiri metalice și alte acoperiri anorganice.
Tratament de suprafață, acoperiri metalice și alte acoperiri anorganice. Vocabular
Inlocuiește SR EN ISO 2080:2009

01.110 Documentație tehnică de produs
CT 55
SR EN ISO 10209:2022 A
Documentație tehnică de produs. Vocabular.
Termeni referitori la desenele tehnice, la definirea produselor și la documentația asociată
Inlocuiește SR EN ISO 10209:2012

01.140.20 Știința informației
CT 229
SR ISO 10957:2022 FC
Informare și documentare. Număr internațional standardizat pentru muzică (ISMN)
Inlocuiește SR ISO 10957:2018

03.080.01 Servicii în general
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SR ISO 37500:2022 FC
Linii directoare referitoare la externalizare

03.080.20 Servicii pentru întreprinderi
CT 27
SR EN 15602:2022 A
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Inlocuieste SR EN 15602:2008

03.100.30 Managementul resurselor umane
CT 40
SR EN ISO 9712:2022 A
Examinări nedistructive. Calificarea și certificarea personalului pentru examinări nedistructive
Inlocuieste SR EN ISO 9712:2013

11.040.10 Echipament pentru anestezie, respirație și reanimare
CT 377
SR EN ISO 10079-1:2022 A
Aspiratoare medicale. Partea 1: Aspiratoare acționate electric
Inlocuieste SR EN ISO 10079-1:2016

11.040.20 Echipament pentru transfuzii, perfuzii și injecții
CT 377
SR EN ISO 8536-15:2022 A
Echipamente pentru perfuzie de uz medical. Partea 15: Seturi de perfuzie fotoprotectoare, de unică folosință

11.040.40 Implanturi chirurgicale, proteze și orteze
CT 377
SR EN ISO 5832-6:2022 A
Implanturi chirurgicale. Materiale metalice. Partea 6: Aliaj forjat pe bază de cobalt, nichel, crom și molibden
Inlocuieste SR EN ISO 5832-6:2020

13.060.50 Determinarea substanțelor chimice din apă
CT 52
SR EN ISO 10304-4:2022 A
Calitatea apei. Determinarea anionilor dizolvați prin cromatografia ionilor în fază lichidă. Partea 4: Determinarea ionilor clorat, clorură și clorit din ape cu contaminare redusă

Inlocuieste SR EN ISO 10304-4:2003

13.060.60 Determinarea proprietăților fizice ale apei
CT 52
SR EN ISO 13163:2022 A
Calitatea apei. Plumb 210. Metoda de încercare prin numărarea scintilațiilor în mediu lichid
Inlocuieste SR EN ISO 13163:2019

13.080.10 Proprietăți chimice ale solurilor
CT 360
SR EN ISO 10390:2022 A
Sol, biodeșeurii tratate și nămoluri. Determinarea pH-ului
Inlocuieste SR EN 15933:2013

13.080.20 Proprietăți fizice ale solurilor
CT 361
SR EN ISO 17892-12:2018/A2:2022 A
Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 12: Determinarea limitelor de lichiditate și plasticitate. Amendament 2

CT 361
SR EN ISO 17628:2015/C91:2022 E
Investigații și încercări geotehnice. Încercări geotermale. Determinarea conductivității termice a pământurilor și a rocilor cu sonde geotermale

CT 361
SR EN ISO 17892-5:2017/C91:2022 E
Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 5: Încercarea prin încărcarea în trepte în edometru

CT 361
SR EN ISO 17892-6:2017/C91:2022 E
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CT 361
SR EN ISO 17892-7:2018/C91:2022 E
Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 7: Încercare la compresiune monoaxială

CT 361
SR EN ISO 17892-8:2018/C91:2022 E
Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 8: Încercare triaxială neconsolidată nedrenată

- CT 361**
SR EN ISO 17892-9:2018/C91:2022 E
 Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 9: Încercări consolidate de compresiune triaxială ale pământurilor saturate
- CT 361**
SR EN ISO 17892-10:2019/C91:2022 E
 Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 10: Încercări de forfecare directă
- CT 361**
SR EN ISO 17892-11:2019/C91:2022 E
 Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 11: Încercări de permeabilitate
- CT 361**
SR EN ISO 17892-12:2018/C91:2022 E
 Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 12: Determinarea limitelor de lichiditate și plasticitate
- CT 361**
SR EN ISO 18674-3:2018/C91:2022 E
 Investigații și încercări geotehnice. Monitorizare geotehnică prin instrumentare in situ. Partea 3: Măsurarea deplasării de-a lungul unei linii: inclinometre
- CT 361**
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 Investigații și încercări geotehnice. Monitorizare geotehnică prin instrumentare in situ. Partea 3: Măsurarea deplasării de-a lungul unei linii: inclinometre. Amendament 1
- 13.110 Securitatea mașinilor și
 aparatelor**
CT 38
SR EN 60825-1:2015/A11:2021/AC:2022 A
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- 13.160 Vibrații, șocuri și efectele lor
 asupra omului**
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SR EN ISO 28927-13:2022 A
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- 13.180 Ergonomie**
CT 54
SR EN ISO 9241-971:2022 A
 Ergonomia interacțiunii om-sistem. Partea 971: Accesibilitatea sistemelor interactive tactile/haptice
- CT 54**
SR EN ISO 9241-394:2022 A
 Ergonomia interacțiunii om-sistem Partea 394: Cerințe ergonomice pentru reducerea efectelor biomedicale nedorite ale cinetozelor induse de stimuli vizuali în timpul urmăririi imaginilor electronice
- CT 54**
SR EN ISO 9241-940:2022 A
 Ergonomia interacțiunii om-sistem. Partea 940: Evaluarea interacțiunilor tactile și haptice
- 13.220.40 Comportamentul la foc și
 inflamabilitatea materialelor și produselor**
CT 338
SR EN ISO 8130-4:2022 A
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 Inlocuiește SR EN ISO 8130-4:2011
- 13.230 Protecția contra exploziilor**
CT 137
SR EN 17624:2022 A
 Determinarea limitelor de explozie ale gazelor și vaporilor la presiuni și temperaturi ridicate sau cu alți oxidanți decât aerul
- 13.310 Protecția împotriva crimei**
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 Inlocuiește SR EN 15602:2008
- CT 318**
SR EN 17352:2022 A
 Echipamente de control al accesului pietonal acționate electric. Securitate în utilizare. Cerințe și metode de încercare
- 13.340.50 Echipamente de protecție pentru
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CT 227
SR EN ISO 20345:2022 A
 Echipament individual de protecție. Încălțăminte de securitate

Inlocuieste SR EN ISO 20345:2012

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Echipament individual de protecție. Încălțăminte de lucru

Inlocuieste SR EN ISO 20347:2012

CT 227

SR EN ISO 20346:2022 **A**
Echipament individual de protecție. Încălțăminte de protecție

Inlocuieste SR EN ISO 20346:2014

17.120.20 Măsurarea debitului în conducte deschise

CT 109

SR EN ISO 772:2022 **A**

Hidrometrie. Vocabular și simboluri

Inlocuieste SR EN ISO 772:2012

17.140.20 Zgomot emis de mașini și echipamente

CT 238

SR EN IEC 60704-2-18:2022 **A**

Aparate electrice de uz casnic și scopuri similare. Cod de încercări pentru determinarea zgomotului transmis prin aer. Parte 2-18: Prescripții particulare speciale pentru încălzitoarele electrice de apă

17.140.50 Electroacustică

CT 26

SR EN 61094-2:2009/A1:2022 **A**

Electroacustică. Microfoane de măsură. Partea 2: Metodă primară pentru etalonarea în presiune a microfoanelor etalon de laborator prin metoda reciprocității

17.200.20 Instrumente de măsurare a temperaturii

CT 23

SR EN IEC 60751:2022 **A**

Termometre cu rezistență de platină industriale și senzori termometrici de platină industriali

Inlocuieste SR EN 60751:2009

17.240 Măsurări de radiații

CT 52

SR EN ISO 13163:2022 **A**

Calitatea apei. Plumb 210. Metoda de încercare prin numărarea scintilațiilor în mediu lichid

Inlocuieste SR EN ISO 13163:2019

19.100 Încercări nedistructive

CT 40

SR EN ISO 9712:2022 **A**

Examinări nedistructive. Calificarea și certificarea personalului pentru examinări nedistructive

Inlocuieste SR EN ISO 9712:2013

21.260 Sisteme de lubrifiere

CT 146

SR EN 15427-1-1:2022 **A**

Aplicații feroviare. Controlul frecării roată/șină. Partea 1-1: Echipament și aplicație. Lubrifierea buzei roții

Inlocuieste SR EN 15427+A1:2011

23.040.70 Furtunuri flexibile

CT 108

SR EN ISO 4671:2022 **A**

Furtunuri și furtunuri cu racorduri la capete, de cauciuc și de materiale plastice. Metode de măsurare a dimensiunilor furtunurilor și a lungimii furtunurilor cu racorduri la capete

Inlocuieste SR EN ISO 4671:2008

25.040.40 Măsurarea și controlul proceselor industriale

CT 23

SR EN IEC 62264-6:2022 **A**

Integrarea sistemului de conducere a întreprinderii. Partea 6: Model de serviciu de mesagerie

25.140.10 Unelte pneumatice

CT 274

SR EN ISO 28927-13:2022 **A**

Mașini portabile manuale cu motor. Metode de încercare pentru evaluarea emisiei de vibrații. Partea 13: Mașini de antrenare a elementelor de fixare

25.220.40 Acoperiri metalice

CT 157

SR EN ISO 2080:2022 **A**

Acoperiri metalice și alte acoperiri anorganice. Tratament de suprafață, acoperiri metalice și alte acoperiri anorganice. Vocabular

Inlocuieste SR EN ISO 2080:2009

25.220.60 Acoperiri organice**CT 42****SR EN 10169:2022****A**

Produse plate de oțel acoperite continuu cu materiale organice (acoperire în bandă continuă).

Condiții tehnice de livrare

Inlocuieste SR EN 10169+A1:2012

27.015 Eficiență energetică. Economii de energie în general**CT 23****SR EN IEC 62872-2:2022****A**

Măsurare, comandă și automatizare în procesele industriale. Partea 2: Internetul obiectelor (IoT).

Cadru de aplicație pentru managementul energiei privind răspunsul la cererea instalațiilor industriale

27.060.30 Boilere și schimbătoare de**căldură****CT 225****SR EN 308:2022****A**

Schimbătoare de căldură. Proceduri de încercare pentru determinarea performanței componentelor recuperatoarelor de căldură aer/aer

Inlocuieste SR EN 308:2000

27.070 Pile cu combustibil**CT 161****SR EN 62282-3-201:2018/A1:2022****A**

Tehnologii în care se utilizează celule cu combustibil. Partea 3-201: Sisteme de generare a energiei utilizând celule cu combustibil staționare.

Metode de încercare a performanțelor pentru sisteme mici cu celule cu combustibil

27.075 Tehnologii referitoare la**hidrogen****CT 147****SR EN 17124:2022****A**

Hidrogen combustibil. Specificație de produs și asigurarea calității pentru punctele de alimentare cu hidrogen care distribuie hidrogen gazos.

Aplicații pentru vehicule cu pile de combustie cu membrană schimbătoare de protoni (PEM)

Inlocuieste SR EN 17124:2019

27.160 Energie solară**CT 302****SR EN 12975:2022****A**

Captatoare solare. Cerințe generale

Inlocuieste SR EN 12975-1+A1:2011

29.120.50 Siguranțe fuzibile și alte aparate de protecție la scurtcircuit**CT 158****SR EN 50522:2022****A**

Legarea la pământ a instalațiilor electrice cu

tensiune alternativă nominală mai mare de 1 kV

Inlocuieste SR EN 50522:2011

29.140.99 Alte standarde referitoare la lămpi**CT 131****SR EN IEC 62442-3:2022****A**

Performanța energetică a aparatului de comandă pentru lămpi. Partea 3: Aparataj de comandă pentru lămpi cu halogen și surse de lumină cu LED. Metodă de măsurare pentru determinarea randamentului aparatului

Inlocuieste SR EN IEC 62442-3:2019

CT 131**SR EN IEC 62442-2:2022****A**

Performanța energetică a aparatului de comandă pentru lămpi. Partea 2: Aparataj de comandă pentru lămpi cu descărcare (cu

excepția lămpilor fluorescente cu vapori de mercur la joasă presiune). Metodă de măsurare

pentru determinarea randamentului aparatului

Inlocuieste SR EN IEC 62442-2+AC:2019

CT 131**SR EN IEC 62442-1:2022****A**

Performanța energetică a aparatului de comandă pentru lămpi. Partea 1: Aparataj de comandă pentru lămpi fluorescente. Metodă de măsurare pentru determinarea puterii totale de intrare a circuitelor aparatului de comandă și a randamentului aparatului

Inlocuieste SR EN IEC 62442-1:2019

29.160.01 Mașini electrice rotative în general**CT 1****SR EN IEC 60034-7:2022****A**

Mașini electrice rotative. Partea 7: Clasificarea formelor constructive, a modurilor de montaj și a poziției cutiei de borne (Codul IM)

Inlocuieste SR EN 60034-7:1996

CT 1**SR EN IEC 60034-33:2022****A**

Mașini electrice rotative. Partea 33: Generatoare sincrone acționate de turbine hidraulice, inclusiv grupurile motor-generator. Cerințe specifice

CT 1**SR EN IEC 60034-18-32:2022****A**

Mașini electrice rotative. Partea 18-32: Evaluarea funcțională a sistemelor de izolație (Tip II). Proceduri de calificare a anduranței electrice pentru înfășurări preformate.
Inlocuieste SR EN 60034-18-32:2011

29.160.20 Generatoare

CT 1

SR EN IEC 60034-33:2022 A

Mașini electrice rotative. Partea 33: Generatoare sincrone acționate de turbine hidraulice, inclusiv grupurile motor-generator. Cerințe specifice

29.240.20 Linii de transport și distribuție a energiei electrice

CT 165

SR EN 50341-2-22:2022 A

Linii electrice aeriene de tensiune alternativă mai mare de 1 kV. Partea 2-22: Aspectele normativelor naționale (NNA) pentru Polonia (pe baza EN 50341-1:2012)
Inlocuieste SR EN 50341-2-22:2016

29.280 Echipament pentru tracțiune electrică

CT 4

SR EN 50318:2019/A1:2022 A

Aplicații feroviare. Sisteme de captare a curentului. Validarea simulării interacțiunii dinamice dintre pantograf și linia aeriană de contact

31.080.99 Alte dispozitive cu semiconductoare

CT 17

SR EN IEC 63373:2022 A

Linii directe pentru metodele de încercare a rezistenței dinamice în starea de trecere a joncțiunii (ON) la dispozitivele de conversie de putere bazate pe tranzistori HEMT în GaN

31.180 Plăci și circuite imprimate

CT 193

SR EN IEC 61189-2-501:2022 A

Metode de încercare pentru materiale electrice, plăci imprimate și alte structuri de interconectare și ansambluri. Partea 2-501: Metode de încercare a materialelor pentru structuri de interconectare. Măsurarea rezilienței și a factorului de retenție a rezilienței materialelor dielectrice flexibile

31.220.10 Fișe. Conectoare

CT 145

SR EN IEC 60512-99-002:2022 A

Conectoare pentru echipamente electrice și electronice. Încercări și măsurători. Partea 99-002: Programe de încercare de anduranță. Încercarea 99b. Program de încercare pentru deconectarea neintenționată sub sarcină electrică
Inlocuieste SR EN IEC 60512-99-002:2019

31.260 Optoelectronică. Aparate cu laser

CT 38

SR EN 60825-1:2015/A11:2021/AC:2022 A

Securitatea în utilizare a produselor cu laser. Partea 1: Clasificarea echipamentului și prescripții

33.060.40 Sisteme de distribuție prin cablu

CT 375

SR EN IEC 60728-115:2022 A

Rețele de distribuție prin cablu pentru semnale de televiziune, semnale de radiodifuziune sonoră și servicii interactive. Partea 115: Sisteme optice în clădire pentru transmisii de semnal de difuzare

33.100.10 Emisie

CT 30

SR EN IEC 61000-4-20:2022 A

Compatibilitate electromagnetică (CEM). Partea 4-20: Tehnici de încercare și de măsurare. Încercări de emisie și de imunitate în ghiduri de undă cu mod transversal electromagnetic (TEM)
Inlocuieste SR EN 61000-4-20:2011

33.100.20 Imunitate

CT 30

SR EN IEC 61000-4-20:2022 A

Compatibilitate electromagnetică (CEM). Partea 4-20: Tehnici de încercare și de măsurare. Încercări de emisie și de imunitate în ghiduri de undă cu mod transversal electromagnetic (TEM)
Inlocuieste SR EN 61000-4-20:2011

33.120.10 Cabluri coaxiale. Ghiduri de undă

CT 145

SR EN IEC 61169-1-5:2022 A

Conectoare pentru radiofrecvențe. Partea 1-5: Metode de încercare electrică. Degradarea timpului de creștere

33.120.30 Conectoare pentru frecvențe radio

CT 145**SR EN IEC 61169-67:2022** A

Conectoare pentru radiofrecvențe. Partea 67: Specificații secționale pentru conectorii triaxiali cu filet din seria TRL

CT 145**SR EN IEC 61169-1-6:2022** A

Conectoare pentru radiofrecvențe. Partea 1-6: Metode de încercare electrică. Putere RF

CT 145**SR EN IEC 61169-68:2022** A

Conectoare pentru radiofrecvențe. Partea 68: Specificații secționale pentru conectorii triaxiali de cuplare cu baionetă din seria TRK

CT 145**SR EN IEC 61169-21:2022** A

Conectoare pentru radiofrecvențe. Partea 21: Specificații secțiuni pentru conectori RF cu diametrul interior al conductorului exterior 9,5 mm (0,374 in) cu cuplare cu șurub impedanță caracteristică 50 ohmi (Tip SC)

33.160.01 Tehnici audio, video și audiovizuale în general**CT 375****SR EN IEC 60728-115:2022** A

Rețele de distribuție prin cablu pentru semnale de televiziune, semnale de radiodifuziune sonoră și servicii interactive. Partea 115: Sisteme optice în clădire pentru transmisii de semnal de difuzare

33.160.99 Alte echipamente audio și video**CT 375****SR EN IEC 63246-2:2022** A

Servicii de infotainment configurabile pentru vehicule (CCIS). Partea 2: Prescripții

33.180.01 Sisteme cu fibră optică în general**CT 375****SR EN IEC 60728-115:2022** A

Rețele de distribuție prin cablu pentru semnale de televiziune, semnale de radiodifuziune sonoră și servicii interactive. Partea 115: Sisteme optice în clădire pentru transmisii de semnal de difuzare

33.180.10 Fibre optice și cabluri**CT 138****SR EN IEC 60794-3:2022** ACabluri cu fibre optice. Partea 3: Cabluri exterioare. Specificație intermediară
Inlocuieste SR EN 60794-3:2015**CT 138****SR EN IEC 60794-1-404:2022**

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Cabluri cu fibre optice. Partea 1-404: Specificație generică. Proceduri de bază pentru încercările cablurilor optice. Metode de încercare electrice. Încercare la curent-temperatură, metoda H4

CT 138**SR EN IEC 60793-2-10:2019/A1:2022**

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Fibre optice. Partea 2-10: Specificații de produs. Specificație intermediară pentru fibre multimod din categoria A1

33.180.20 Dispozitive de interconectare prin fibre optice**CT 138****SR EN IEC 61300-3-33:2022**

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Dispozitive de interconectare a fibrei optice și componente pasive. Metode fundamentale de încercare și de măsurare. Partea 3-33: Examinări și măsurări. Forța de tragere a manșoanelor de aliniere elastice prin utilizarea calibrelor cu pin
Inlocuieste SR EN 61300-3-33:2012**CT 138****SR EN IEC 62150-6:2022**

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Dispozitive și componente active pentru fibre optice. Proceduri de încercare și măsurare. Partea 6: Plăci cu circuit imprimat mezanin pentru încercări și măsurări ale dispozitivelor fotonice

CT 138**SR EN IEC 61753-091-02:2022**

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Dispozitive de interconectare a fibrei optice și componente pasive. Standard de performanță. Partea 091-2: Circulatoare cu fibră optică monomod cu circulație parțială, cu 3 porturi, neconectorizate, pentru categoria C. Mediu controlat

Inlocuieste SR EN 61753-091-2:2013

CT 138**SR EN IEC 61300-2-46:2019/AC:2022**

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Dispozitive de interconectare a fibrei optice și componente pasive. Metode fundamentale de încercare și de măsurare. Partea 2-46: Încercări. Căldură umedă, încercări ciclice

33.200 Telecomandă. Telecomandă**CT 140**

SR EN IEC 61968-100:2022

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Integrarea de aplicații la companiile de distribuție a energiei electrice. Interfețe de sistem pentru managementul distribuției. Partea 100: Profiluri de implementare IEC pentru integrarea aplicației
Inlocuieste SR EN 61968-100:2014

35.020 Tehnologia informației (IT) în general

CT 23

SR EN IEC 62872-2:2022

A

Măsurare, comandă și automatizare în procesele industriale. Partea 2: Internetul obiectelor (IoT). Cadru de aplicație pentru managementul energiei privind răspunsul la cererea instalațiilor industriale

35.100.70 Strat aplicare

CT 23

SR EN IEC 62264-6:2022

A

Integrarea sistemului de conducere a întreprinderii. Partea 6: Model de serviciu de mesagerie

35.180 Terminale și alte echipamente periferice în tehnologia informației

CT 54

SR EN ISO 9241-971:2022

A

Ergonomia interacțiunii om-sistem. Partea 971: Accesibilitatea sistemelor interactive tactile/haptice

CT 54

SR EN ISO 9241-940:2022

A

Ergonomia interacțiunii om-sistem. Partea 940: Evaluarea interacțiunilor tactile și haptice

35.240.70 Aplicații IT în știință

CT 359

SR EN ISO 19115-2:2019/A1:2022

A

Informații geografice. Metadate. Partea 2: Extensii pentru achiziție și procesare

35.240.80 Aplicații IT în medicină

CT 319

SR EN ISO 13972:2022

A

Informatică medicală. Modele de informații clinice. Caracteristici, structuri și cerințe

CT 319

SR EN ISO/IEEE 11073-40102:2022

A

Informatică medicală. Interoperabilitatea dispozitivului. Partea 40102: Elemente de bază. Securitate cibernetică. Capacități de atenuare

CT 319

SR EN ISO/IEEE 11073-40101:2022

A

Informatică medicală. Interoperabilitatea dispozitivului. Partea 40101: Elemente de bază. Securitate cibernetică. Procese pentru evaluarea vulnerabilității

CT 319

SR EN ISO 27269:2022

A

Informatică medicală. Rezumatul internațional al dosarului medical al pacientului
Inlocuieste SR EN 17269:2020

43.040.15 Informatica pentru autovehicule. Sisteme informatice de bord

CT 375

SR EN IEC 63246-2:2022

A

Servicii de infotainment configurabile pentru vehicule (CCIS). Partea 2: Prescripții

45.040 Materiale și componente pentru căi ferate

CT 146

SR EN 15427-1-1:2022

A

Aplicații feroviare. Controlul frecării roată/șină. Partea 1-1: Echipament și aplicație. Lubrifierea buzei roții
Inlocuieste SR EN 15427+A1:2011

45.060.10 Material rulant de tracțiune

CT 146

SR EN 16186-3:2022

A

Aplicații feroviare. Cabină de conducere. Partea 3: Proiectarea afișajelor pentru vehiculele feroviare grele
Inlocuieste SR EN 16186-3+A1:2019

47.080 Nave de agrement

CT 199

SR EN ISO 10087:2022**A**

Nave mici. Identificarea navelor. Sistem de codificare

Inlocuieste SR EN ISO 10087:2019

49.025.15 Aliaje neferoase în general**CT 72****SR EN 4566:2022****A**

Serie aerospațială. Aliaj rezistent la temperaturi înalte CO-PH4101 (CoCr20W15Ni). Elaborat în vid. Tratat termic în soluție. Forjat - De = 100 mm

49.025.40 Cauciuc și materiale plastice**CT 72****SR EN 4717:2022****A**

Serie aerospațială. Polieteretercetonă cu 55% fibră de carbon continuă în volum (PEEK-CF55). Produs semifabricat. Specificație de material

CT 72**SR EN 4718:2022****A**

Serie aerospațială. Polieteretercetonă cu 55% fibră de sticlă continuă în volum (PEEK-GF55). Produs semifabricat. Specificație de material

49.030.01 Elemente de asamblare în general**CT 72****SR EN 4853:2022****A**

Serie aerospațială. Element de fixare cu filet exterior, cu cap înecat normal 100°, cu locaș pentru antrenare în spirală. Clasa: 1 100 Mpa (la temperatura ambiantă) / 425 °C

49.030.20 Bolțuri, șuruburi, știfturi filetate**CT 72****SR EN 4849:2022****A**

Serie aerospațială. Șurub cu cap înecat normal 100° cu locaș pentru antrenare în spirală, cu tijă normală cu toleranțe strânse, cu filet scurt, din aliaj de titan, acoperit cu aluminiu IVD. Clasa: 1 100 Mpa (la temperatura ambiantă) / 425 °C

CT 72**SR EN 4847:2022****A**

Serie aerospațială. Șurub cu cap cilindric cu locaș pentru antrenare în spirală, cu tijă normală cu

toleranțe largi, cu lungimea filetată medie, din oțel aliat, cadmiat. Clasa: 1 100 Mpa (la temperatura ambiantă) / 235 °C

CT 72**SR EN 4844:2022****A**

Serie aerospațială. Șurub cu cap înecat normal 100° cu locaș pentru antrenare în spirală, cu filet până sub cap, din oțel rezistent la coroziune și temperaturi înalte, pasivat. Clasa: 1 100 Mpa (la temperatura ambiantă) / 425 °C

CT 72**SR EN 4845:2022****A**

Serie aerospațială. Șurub cu cap înecat normal 100° cu locaș pentru antrenare în spirală, cu filet scurt, din oțel rezistent la coroziune și temperaturi înalte, pasivat. Clasa: 900 Mpa (la temperatura ambiantă) / 650 °C

CT 72**SR EN 4846:2022****A**

Serie aerospațială. Șurub cu cap cilindric cu locaș pentru antrenare în spirală, cu filet până sub cap, din oțel rezistent la coroziune și temperaturi înalte, pasivat. Clasa: 1 100 Mpa (la temperatura ambiantă) / 425 °C

CT 72**SR EN 4848:2022****A**

Serie aerospațială. Șurub cu cap cilindric cu locaș pentru antrenare în spirală, cu tijă normală cu toleranțe largi, cu lungimea filetată medie, din aliaj de titan, anodizat, lubrifiat cu MoS2. Clasa: 1 100 Mpa (la temperatura ambiantă) / 315 °C

CT 72**SR EN 4850:2022****A**

Serie aerospațială. Șurub cu cap înecat normal 100° cu locaș pentru antrenare în spirală, cu tijă normală cu toleranțe largi, cu lungimea filetată medie, din oțel aliat, cadmiat. Clasa: 1 100 Mpa (la temperatura ambiantă) / 235 °C

CT 72**SR EN 4851:2022****A**

Serie aerospațială. Șurub cu cap înecat normal 100° cu locaș pentru antrenare în spirală, cu tijă normală cu toleranțe largi, cu filet lung, din oțel aliat, cadmiat. Clasa: 1 100 Mpa (la temperatura ambiantă) / 235 °C

49.030.30 Piulițe

CT 72

SR EN 3228:2022

A

Serie aerospațială. Piulițe hexagonale simple, cu înălțime redusă, cu deschidere normală pentru cheie, de oțel, cadmate. Clasa: 900 MPa (la temperatură ambiantă) / 235 °C

Inlocuieste SR EN 3228:2010

49.080 Sisteme aerospațiale pentru fluide și componentele lor

CT 72

SR EN 3077:2022

A

Serie aerospațială. Colier de strângere cu melc. Specificație tehnică

49.090 Echipamente și instrumente de bord

CT 303

SR EN 4641-301:2022

A

Serie aerospațială. Cabluri optice cu diametru exterior al ecranului optic 125 μm. Partea 301: Cablu cu structură etanșă, fibră cu gradient cu indice 50/125 μm, diametru exterior 1,8 mm. Standard de produs

Inlocuieste SR EN 4641-301:2011

53.040.10 Transportoare

CT 84

SR EN 619:2022

A

Mijloace și sisteme de transport continuu. Cerințe de securitate pentru echipamente de transport mecanice a sarcinilor unitare

Inlocuieste SR EN 619+A1:2011

53.080 Echipament de stocare

CT 85

SR EN 15512+A1:2022

A

Sisteme de depozitare statice de oțel. Rafturi reglabile pentru palete. Principii pentru proiectarea structurală

Inlocuieste SR EN 15512:2021

53.100 Mașini și utilaje pentru lucrări terasiere

CT 218

SR EN 474-11:2022

A

Mașini de terasament. Securitate. Partea 11: Cerințe pentru compactoare de pământ și deșeuri
Inlocuieste SR EN 474-11+A1:2009

CT 218

SR EN 474-9:2022

A

Mașini de terasament. Securitate. Partea 9: Cerințe pentru pozatoare de conducte
Inlocuieste SR EN 474-9+A1:2009

CT 218

SR EN 474-13:2022

A

Mașini de terasament. Securitate. Partea 13: Cerințe pentru compactoare

CT 218

SR EN 474-4:2022

A

Mașini de terasament. Securitate. Partea 4: Cerințe pentru încărcătoare-excavatoare
Inlocuieste SR EN 474-4+A2:2012

CT 218

SR EN 474-7:2022

A

Mașini de terasament. Securitate. Partea 7: Cerințe pentru screpere
Inlocuieste SR EN 474-7+A1:2009

CT 218

SR EN 474-5:2022

A

Mașini de terasament. Securitate. Partea 5: Cerințe pentru excavatoare hidraulice
Inlocuieste SR EN 474-5+A3:2013

CT 218

SR EN 474-1:2022

A

Mașini de terasament. Securitate. Partea 1: Cerințe generale
Inlocuieste SR EN 474-1+A6:2019

CT 218

SR EN 474-6:2022

A

Mașini de terasament. Securitate. Partea 6: Cerințe pentru dumpere
Inlocuieste SR EN 474-6+A1:2009

CT 218

SR EN 474-10:2022

A

Mașini de terasament. Securitate. Partea 10: Cerințe pentru săpătoare de șanțuri
Inlocuieste SR EN 474-10+A1:2009

CT 218

SR EN 474-3:2022

A

Mașini de terasament. Securitate. Partea 3: Cerințe pentru încărcătoare
Inlocuieste SR EN 474-3+A1:2009

CT 218

SR EN 474-2:2022

A

Mașini de terasament. Securitate. Partea 2: Cerințe pentru buldozere
Inlocuieste SR EN 474-2+A1:2009

CT 218

SR EN 474-12:2022

A

Mașini de terasament. Securitate. Partea 12: Cerințe pentru excavatoarele cu cablu
Inlocuieste SR EN 474-12+A1:2009

CT 218

SR EN 474-8:2022

A

Mașini de terasament. Securitate. Partea 8: Cerințe pentru gredere
Inlocuieste SR EN 474-8+A1:2009

59.100.10 Materiale armate cu fire de sticlă

CT 108

SR EN ISO 2078:2022

A

Sticlă textilă. Fire. Codificare
Inlocuieste SR EN ISO 2078:2002

59.120.01 Mașini pentru industria textilă în general

CT 154

SR EN ISO 22291:2022

A

Cerințe de securitate pentru mașini de producție de neșesute consolidate umed

65.060.80 Echipamente forestiere

CT 77

SR EN ISO 11806-2:2022

A

Mașini agricole și forestiere. Cerințe de securitate și încercări pentru mașini portabile cu motor, pentru curățat tufișuri și tăiat iarbă. Partea 2: Mașini echipate cu motor purtat în spate
Inlocuieste SR EN ISO 11806-2:2012

CT 77

SR EN ISO 11806-1:2022

A

Mașini agricole și forestiere. Cerințe de securitate și încercări pentru mașini portabile cu motor, pentru curățat tufișuri și tăiat iarbă. Partea 1: Mașini echipate cu un motor cu ardere internă integrat
Inlocuieste SR EN ISO 11806-1:2012

CT 77

SR EN ISO 19472-2:2022

A

Mașini forestiere. Trolieri. Partea 2: Trolieri pentru tracțiune

65.120 Nutrețuri

CT 95

SR EN 17504:2022

A

Hrană pentru animale. Metode de eșantionare și de analiză. Determinarea conținutului de gossipol în semințele de bumbac și în hrana pentru animale prin LC-MS/MS

67.050 Metode generale de analiză pentru produse alimentare

CT 95

SR EN 13708:2022

A

Produse alimentare. Detectarea prin spectroscopie ESR a produselor alimentare iradiate care conțin zaharuri cristaline
Inlocuieste SR EN 13708:2002

71.100.70 Cosmetice. Produse de toaletă

CT 298

SR EN ISO 24444:2020/A1:2022

A

Produse cosmetice. Metode de testare a protecției solare. Determinarea in vivo a factorului de protecție solară (SPF). Amendament 1

75.160.20 Combustibili lichizi

CT 147

SR EN 17124:2022

A

Hidrogen combustibil. Specificație de produs și asigurarea calității pentru punctele de alimentare cu hidrogen care distribuie hidrogen gazos. Aplicații pentru vehicule cu pile de combustie cu membrană schimbătoare de protoni (PEM)
Inlocuieste SR EN 17124:2019

CT 320

SR EN 590:2022

A

Carburanți pentru automobile. Motorină. Cerințe și metode de încercare

Inlocuieste SR EN 590+A1:2017

CT 320

SR EN 16734:2022

A

Carburanți pentru automobile. Carburant diesel B10 pentru automobile. Cerințe și metode de încercare

Inlocuieste SR EN 16734+A1:2019

75.180.10 Mașini și utilaje pentru exploatare și extracție

CT 169

SR EN ISO 10423:2022

A

Industria petrolului și gazelor naturale. Echipament de foraj și de producție. Echipament pentru capete de sondă și capete de erupție

Inlocuieste SR EN ISO 10423:2010

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

CT 78

SR CEN/TR 17452:2022

A

Stații de alimentare cu gaz natural. Îndrumări pentru implementarea standardelor europene referitoare la stațiile de CNG și GNL pentru alimentarea vehiculelor

77.040.99 Alte metode de încercări ale metalelor

CT 42

SR EN ISO 18203:2022

A

Oțeluri. Determinarea grosimii straturilor întărite superficial

Inlocuieste SR EN 10328:2005

77.080.01 Metale feroase în general

CT 42

SR EN ISO 9647:2022

A

Oțeluri. Determinarea conținutului de vanadiu. Metoda spectrometrică de absorbție atomică în flacără (FAAS)

Inlocuieste SR ISO 9647:1994

CT 42

SR EN ISO 11652:2022

A

Fonte și oțeluri. Determinarea conținutului de cobalt. Metoda spectrometrică de absorbție atomică în flacără

Inlocuieste SR ISO 11652:2000

77.140.20 Oțeluri inoxidabile

CT 42

SR EN 10250-3:2022

A

Piese forjate din oțel pentru uz general. Partea 3: Oțeluri aliate speciale

Inlocuieste SR EN 10250-3:2002

77.140.45 Oțeluri nealiate

CT 42

SR EN 10250-2:2022

A

Piese forjate din oțel pentru uz general. Partea 2: Oțeluri nealiate de calitate și oțeluri speciale

Inlocuieste SR EN 10250-2:2002

77.140.50 Produse și semi-produse plate din oțel

CT 42

SR EN 10169:2022

A

Produse plate de oțel acoperite continuu cu materiale organice (acoperire în bandă continuă). Condiții tehnice de livrare

Inlocuieste SR EN 10169+A1:2012

77.140.85 Piese forjate

CT 42

SR EN 10250-2:2022

A

Piese forjate din oțel pentru uz general. Partea 2: Oțeluri nealiate de calitate și oțeluri speciale

Inlocuieste SR EN 10250-2:2002

CT 42

SR EN 10250-3:2022

A

Piese forjate din oțel pentru uz general. Partea 3: Oțeluri aliate speciale

Inlocuieste SR EN 10250-3:2002

CT 42

SR EN 10250-1:2022

A

Piese forjate din oțel pentru uz general. Partea 1:
Cerințe generale
Inlocuiește SR EN 10250-1:2002

77.150.10 Produse din aluminiu

CT 171

SR EN 12020-1:2022

A

Aluminiu și aliaje de aluminiu. Profile de precizie extrudate din aliaje EN AW-6060 și EN AW-6063. Partea 1: Condiții tehnice pentru inspecție și livrare

Inlocuiește SR EN 12020-1:2008

CT 171

SR EN 851:2022

A

Aluminiu și aliaje de aluminiu. Semifabricate pentru discuri și discuri pentru aplicații culinare. Specificații

Inlocuiește SR EN 851:2014

CT 171

SR EN 941:2022

A

Aluminiu și aliaje de aluminiu. Semifabricate pentru discuri și discuri pentru aplicații generale. Specificații

Inlocuiește SR EN 941:2014

77.180 Echipamente pentru industria metalurgică

CT 47

SR EN 17449:2022

A

Securitatea mașinilor. Cerințe de securitate pentru liniile de finisare pentru benzi metalice

CT 47

SR EN 15061:2022

A

Securitatea mașinilor. Cerințe de securitate pentru mașini și utilaje de prelucrare a benzilor

Inlocuiește SR EN 15061+A1:2009

CT 47

SR EN 15093:2022

A

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

Inlocuiește SR EN 15093:2009

CT 47

SR EN 14753:2022

A

Securitatea mașinilor. Cerințe de securitate pentru mașini și echipamente de turnare continuă a oțelului

Inlocuiește SR EN 14753:2008

83.060 Cauciuc

CT 108

SR ISO 48-4:2022

FC

Cauciuc vulcanizat sau termoplastic. Determinarea durității. Partea 4: Duritatea la indentare prin metoda durometrului (duritate Shore)

83.080.01 Materiale plastice, în general

CT 108

SR EN ISO 3146:2022

A

Materiale plastice. Determinarea comportării la topire (temperatură de topire sau interval de topire) a polimerilor semi-cristalini prin metodele tubului capilar și a microscopului cu polarizare

Inlocuiește SR EN ISO 3146:2001

CT 108

SR EN ISO 489:2022

A

Materiale plastice. Determinarea indicelui de refracție

Inlocuiește SR EN ISO 489:2004

CT 108

SR EN ISO 11357-7:2022

A

Materiale plastice. Analiza calorimetrică diferențială (DSC). Partea 7: Determinarea cineticii de cristalizare

Inlocuiește SR EN ISO 11357-7:2016

CT 108

SR EN ISO 3915:2022

A

Materiale plastice. Determinarea rezistivității materialelor plastice conductoare

Inlocuiește SR EN ISO 3915:2004

83.140.10 Filme și folii

CT 108

SR EN ISO 15013:2022

A

Materiale plastice. Plăci extrudate de polipropilenă (PP). Cerințe și metode de încercare

Inlocuiește SR EN ISO 15013:2008

83.140.40 Furtunuri flexibile

CT 108

SR EN ISO 4671:2022

A

Furtunuri și furtunuri cu racorduri la capete, de cauciuc și de materiale plastice. Metode de măsurare a dimensiunilor furtunurilor și a lungimii furtunurilor cu racorduri la capete

Inlocuieste SR EN ISO 4671:2008

85.040 Celuloze

CT 221

SR EN ISO 638-2:2022

A

Hârtii, carton, celuloze și nanomateriale pe bază de celuloză. Determinarea conținutului de substanță uscată prin metoda uscării în etuvă.

Partea 2: Suspensii de nanomateriale celulozice

Inlocuieste SR EN ISO 638-2:2021

CT 221

SR ISO 6587:2022

FC

Hârtie, carton și celuloze. Determinarea conductivității extractelor apoase

Inlocuieste SR ISO 6587:1998

85.060 Hârtie și carton

CT 221

SR EN ISO 638-2:2022

A

Hârtii, carton, celuloze și nanomateriale pe bază de celuloză. Determinarea conținutului de substanță uscată prin metoda uscării în etuvă.

Partea 2: Suspensii de nanomateriale celulozice

Inlocuieste SR EN ISO 638-2:2021

CT 221

SR ISO 6587:2022

FC

Hârtie, carton și celuloze. Determinarea conductivității extractelor apoase

Inlocuieste SR ISO 6587:1998

CT 221

SR ISO 10716:2022

FC

Hârtie și carton. Determinarea rezervei alcaline

Inlocuieste SR ISO 10716:1996

87.040 Vopsele și emailuri

CT 338

SR EN 15457:2022

A

Vopsele și lacuri. Metodă de laborator pentru încercarea eficienței agenților de conservare ai filmului unei acoperiri împotriva fungilor

Inlocuieste SR EN 15457:2015

CT 338

SR EN 15458:2022

A

Vopsele și lacuri. Metodă de laborator pentru încercarea eficienței agenților de conservare ai filmului unei acoperiri împotriva algelor

Inlocuieste SR EN 15458:2015

CT 338

SR EN ISO 8130-4:2022

A

Pulberi pentru acoperire. Partea 4: Calculul limitei inferioare de explozie

Inlocuieste SR EN ISO 8130-4:2011

CT 338

SR EN ISO 16925:2022

A

Vopsele și lacuri. Determinarea rezistenței acoperirilor la un jet de apă sub presiune

Inlocuieste SR EN ISO 16925:2014

87.060.10 Pigmenți și materiale de umplură

CT 338

SR EN ISO 788:2022

A

Pigmenți ultramarin

91.010.99 Alte aspecte

CT 111

SR EN 16908+A1:2022

A

Ciment și var pentru construcții. Declarații de mediu pentru produse. Reguli specifice categoriei de produse în completarea celor din EN 15804

Inlocuieste SR EN 16908:2017

91.100.10 Ciment. Ipsos. Var. Mortar

CT 111

SR EN 16908+A1:2022

A

Ciment și var pentru construcții. Declarații de mediu pentru produse. Reguli specifice categoriei de produse în completarea celor din EN 15804

Inlocuieste SR EN 16908:2017

91.100.15 Materiale și produse minerale

CT 115**SR EN 12372:2022****A**

Metode de încercare a pietrei naturale.
Determinarea rezistenței la flexiune sub sarcină concentrată

Inlocuieste SR EN 12372:2007

91.100.40 Produse de ciment armate cu fibre**CT 113****SR EN 17468-2:2022****A**

Produse din fibrociment. Determinarea calculului de rezistență la smulgere, la forfecare și la încovoiere. Partea 2: Foi profilate

91.120.10 Izolație termică**CT 207****SR EN ISO 52120-1:2022****A**

Performanța energetică a clădirilor. Contribuția la automatizarea și controlul clădirilor și managementul clădirii. Partea 1: Cadru general și proceduri

Inlocuieste SR EN 15232-1:2018

91.220 Mașini și utilaje pentru construcții**CT 218****SR EN 74-1:2022****A**

Racorduri, prezoane de asamblare și plăci de bază utilizate la schele și eșafodaje de lucru. Partea 1: Racorduri pentru țevi. Cerințe de performanță și metode de încercare

Inlocuieste SR EN 74-1:2006

CT 218**SR EN 74-2:2022****A**

Racorduri, prezoane de asamblare și plăci de bază utilizate la schele și eșafodaje de lucru. Partea 2: Racorduri speciale. Cerințe și proceduri de încercare

Inlocuieste SR EN 74-2:2009

93.020 Lucrări de terasament. Excavații. Fundații. Lucrări subterane**CT 361****SR EN ISO 17892-12:2018/A2:2022****A**

Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 12: Determinarea

limitelor de lichiditate și plasticitate. Amendament 2

CT 361**SR EN ISO 17628:2015/C91:2022****E**

Investigații și încercări geotehnice. Încercări geotermale. Determinarea conductivității termice a pământurilor și a rocilor cu sonde geotermale

CT 361**SR EN ISO 17892-5:2017/C91:2022****E**

Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 5: Încercarea prin încărcarea în trepte în edometru

CT 361**SR EN ISO 17892-6:2017/C91:2022****E**

Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 6: Încercarea prin penetrarea conului

CT 361**SR EN ISO 17892-7:2018/C91:2022****E**

Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 7: Încercare la compresiune monoaxială

CT 361**SR EN ISO 17892-8:2018/C91:2022****E**

Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 8: Încercare triaxială neconsolidată nedrenată

CT 361**SR EN ISO 17892-9:2018/C91:2022****E**

Investigații și încercări geotehnice. Încercări de laborator pe pământuri. Partea 9: Încercări consolidate de compresiune triaxială ale pământurilor saturate

CT 361**SR EN ISO 17892-10:2019/C91:2022****E**

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CT 361**SR EN ISO 17892-12:2018/C91:2022****E**

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SR EN ISO 22282-2:2012/C91:2022	E	Investigații și încercări geotehnice. Încercări geohidraulice. Partea 2: Încercări de permeabilitate la apă în foraje utilizând sisteme cu tub deschis
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SR EN ISO 22476-15:2017/C91:2022 E
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SR EN ISO 22477-10:2017/C91:2022 E
Investigații și încercări geotehnice. Încercări de structuri geotehnice. Partea 10: Încercarea piloților: încercare de încărcare rapidă

93.030 Sisteme de canalizare externe**CT 186**

SR EN 16933-1:2022

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Sisteme de evacuare și canalizare în exteriorul clădirilor. Proiectare. Partea 1: Principii de amplasare

93.080.20 Materiale de construcții pentru drumuri**CT 187**

SR CEN/TS 15901-7:2022

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Caracteristici ale suprafețelor drumurilor și pistelor aeroportuare. Partea 7: Procedură pentru determinarea rugozității suprafeței unei îmbrăcăminiți prin utilizarea unui echipament cu raport constant de glisare longitudinală (LFCG): GripTester

97.100.10 Aparate de încălzit electrice**CT 238**

SR EN IEC 60704-2-18:2022

A

Aparate electrice de uz casnic și scopuri similare. Cod de încercări pentru determinarea zgomotului transmis prin aer. Parte 2-18: Prescripții particulare speciale pentru încălzitoarele electrice de apă

97.120 Comenzi automate de uz casnic**CT 238**

SR EN 60730-1:2016/A2:2022

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Dispozitive electrice de comandă automată.

Partea 1: Cerințe generale

97.170 Echipamente pentru îngrijirea corpului**CT 377**

SR EN ISO 20126:2022

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Stomatologie. Periuțe de dinți manuale. Cerințe generale și metode de încercare
Inlocuiește SR EN ISO 20126:2012

97.180 Echipamente menajere și comerciale diverse**CT 239**

SR EN IEC 60335-2-82:2022

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Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-82: Prescripții particulare pentru mașini de divertisment și mașini pentru utilități personale
Inlocuiește SR EN 60335-2-82:2004

97.200.40 Suprafețe pentru joc**CT 239**

SR EN IEC 60335-2-82:2022

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Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-82: Prescripții particulare pentru mașini de divertisment și mașini pentru utilități personale
Inlocuiește SR EN 60335-2-82:2004

97.220.10 Instalații sportive**CT 324**

SR EN 17467:2022

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Suprafețe pentru activități sportive. Metodă de încercare pentru determinarea deformării reziduale a granulelor de umplere sintetice sau organice după aplicarea unei încărcări statice

STANDARDE ANULATE

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

Pentru standardele anulate prin înlocuire sunt precizate și standardele înlocuitoare.

01.040.01 Generalități. Terminologie. Standardizare. Documentare (Vocabulare)
SR EN ISO 10209:2012 **A**
 Documentație tehnică de produs. Vocabular.
 Termeni referitori la desenele tehnice, la definirea produselor și la documentația asociată
 Înlocuit prin SR EN ISO 10209:2022

01.040.03 Servicii. Organizarea întreprinderilor, management și calitate . Administrare. Transport. Sociologie. (Vocabulare)
SR EN 15602:2008 **NCT**
 Prestatori de servicii de securitate. Terminologie
 Înlocuit prin SR EN 15602:2022

01.040.13 Mediu. Protecția sănătății. Securitate. (Vocabulare)
SR EN 15602:2008 **NCT**
 Prestatori de servicii de securitate. Terminologie
 Înlocuit prin SR EN 15602:2022

01.040.17 Metrologie și măsurare. Fenomene fizice (Vocabulare)
SR EN ISO 772:2012 **A**
 Hidrometrie. Vocabular și simboluri
 Înlocuit prin SR EN ISO 772:2022

01.040.25 Tehnici de fabricare (Vocabulare)
SR EN ISO 2080:2009 **A**
 Acoperiri metalice și alte acoperiri anorganice. Tratament de suprafață, acoperiri metalice și alte acoperiri anorganice. Vocabular
 Înlocuit prin SR EN ISO 2080:2022

01.110 Documentație tehnică de produs
SR EN ISO 10209:2012 **A**
 Documentație tehnică de produs. Vocabular.
 Termeni referitori la desenele tehnice, la definirea produselor și la documentația asociată
 Înlocuit prin SR EN ISO 10209:2022

03.080.20 Servicii pentru întreprinderi

SR EN 15602:2008 **NCT**
 Prestatori de servicii de securitate. Terminologie
 Înlocuit prin SR EN 15602:2022

03.100.30 Managementul resurselor umane
SR EN ISO 9712:2013 **T**
 Examinări nedistructive. Calificarea și certificarea personalului pentru examinări nedistructive
 Înlocuit prin SR EN ISO 9712:2022

11.040.10 Echipament pentru anestezie, respirație și reanimare
SR EN ISO 10079-1:2016 **NCT**
 Aspiratoare medicale. Partea 1: Aspiratoare medicale acționate electric
 Înlocuit prin SR EN ISO 10079-1:2022

SR EN ISO 10079-1:2016/A1:2019 **A**
 Aspiratoare medicale. Partea 1: Aspiratoare medicale acționate electric. Amendament 1: Modificări ale cerințelor pentru funcționarea la valori extreme ale temperaturii
 Înlocuit prin SR EN ISO 10079-1:2022

11.040.40 Implanturi chirurgicale, proteze și orteze
SR EN ISO 5832-6:2020 **T**
 Implanturi chirurgicale. Produse metalice. Partea 6: Aliaj deformabil cobalt – nichel – crom - molibden
 Înlocuit prin SR EN ISO 5832-6:2022

13.030.01 Deșeuri în general
SR EN 15933:2013 **A**
 Nămol, biodeșeuri tratate și sol. Determinare pH
 Înlocuit prin SR EN ISO 10390:2022

13.060.50 Determinarea substanțelor chimice din apă
SR EN ISO 10304-4:2003 **FCT**
 Calitatea apei. Determinarea anionilor dizolvați prin cromatografia ionilor în fază lichidă. Partea 4: Determinarea ionilor clorat, clorură și clorid din ape cu contaminare redusă

Inlocuit prin SR EN ISO 10304-4:2022

13.060.60 Determinarea proprietăților fizice ale apei
SR EN ISO 13163:2019 A
 Calitatea apei - Plumb 210 - Metoda de încercare prin numărarea scintilațiilor în mediu lichid
 Inlocuit prin SR EN ISO 13163:2022

13.080.10 Proprietăți chimice ale solurilor
SR ISO 10390:2015 T
 Calitatea solului. Determinarea pH-ului
 Inlocuit prin SR EN ISO 10390:2022

13.310 Protecția împotriva crimei
SR EN 15602:2008 NCT
 Prestatori de servicii de securitate. Terminologie
 Inlocuit prin SR EN 15602:2022

13.320 Sisteme de alarmă și de alertare
SR EN 50291-2:2011 A
 Aparatură electrică pentru detectarea monoxidului de carbon în locuri de uz casnic. Partea 2: Aparatură electrică pentru funcționare continuă în instalații fixe în vehicule de agrement și locații similare inclusiv ambarcațiuni de agrement. Metode suplimentare de încercare și cerințe de performanță
 Inlocuit prin SR EN 50291-2:2020

13.340.50 Echipamente de protecție pentru picior
SR EN ISO 20347:2012 T
 Echipament individual de protecție. Încălțăminte de lucru
 Inlocuit prin SR EN ISO 20347:2022

SR EN ISO 20345:2012 T
 Echipament individual de protecție. Încălțăminte de securitate
 Inlocuit prin SR EN ISO 20345:2022

SR EN ISO 20346:2014 NCT
 Echipament individual de protecție. Încălțăminte de protecție
 Inlocuit prin SR EN ISO 20346:2022

17.120.20 Măsurarea debitului în conducte deschise
SR EN ISO 772:2012 A
 Hidrometrie. Vocabular și simboluri

Inlocuit prin SR EN ISO 772:2022

17.240 Măsurări de radiații
SR EN ISO 13163:2019 A
 Calitatea apei - Plumb 210 - Metoda de încercare prin numărarea scintilațiilor în mediu lichid
 Inlocuit prin SR EN ISO 13163:2022

19.100 Încercări nedistructive
SR EN ISO 9712:2013 T
 Examinări nedistructive. Calificarea și certificarea personalului pentru examinări nedistructive
 Inlocuit prin SR EN ISO 9712:2022

21.260 Sisteme de lubrifiere
SR EN 15427+A1:2011 NCT
 Aplicații feroviare. Controlul frecării roată/șină. Lubrifierea buzei roții
 Inlocuit prin SR EN 15427-1-1:2022

23.040.70 Furtunuri flexibile
SR EN ISO 4671:2008 NCT
 Furtunuri și furtunuri cu racorduri la capete, de cauciuc și de materiale plastice. Metode de măsurare a dimensiunilor furtunurilor și a lungimii furtunurilor cu racorduri la capete
 Inlocuit prin SR EN ISO 4671:2022

SR EN ISO 4671:2008/A1:2012 T
 Furtunuri și furtunuri cu racorduri la capete, de cauciuc și materiale plastice. Metode de măsurare a dimensiunilor furtunurilor și a lungimilor de furtunuri cu racorduri la capete. Amendament 1: Clarificarea poziției de măsurare a diametrului exterior
 Inlocuit prin SR EN ISO 4671:2022

23.080 Pompe
SR EN 17038-2:2019/AC:2020 A
 Pompe. Metode de calificare și de verificare a indicelui de eficiență energetică pentru grupuri de pompe rotodinamice. Partea 2: Încercări și calcul al indicelui de eficiență energetică (EEI) pentru grupuri de pompe simple
 Inlocuit prin SR EN 17038-2:2019/AC:2021

25.220.40 Acoperiri metalice
SR EN ISO 2080:2009 A
 Acoperiri metalice și alte acoperiri anorganice. Tratament de suprafață, acoperiri metalice și alte acoperiri anorganice. Vocabular

Inlocuit prin SR EN ISO 2080:2022

25.220.60 Acoperiri organice

SR EN 10169+A1:2012 A

Produse plate de oțel acoperite continuu cu materiale organice (acoperire în bandă continuă). Condiții tehnice de livrare

Inlocuit prin SR EN 10169:2022

27.060.30 Boilere și schimbătoare de căldură

SR EN 308:2000 T

Schimbătoare de căldură. Proceduri de încercare pentru determinarea performanței recuperatoarelor de căldură de tip aer/aer și aer/gaz

Inlocuit prin SR EN 308:2022

27.075 Tehnologii referitoare la hidrogen

SR EN 17124:2019 A

Hidrogen combustibil. Specificație de produs și asigurarea calității. Aplicații cu pile de combustie cu membrană cu schimb de protoni (PEM) pentru vehicule rutiere

Inlocuit prin SR EN 17124:2022

27.160 Energie solară

SR EN 12975-1+A1:2011 NCT

Instalații termice solare și componentele acestora. Captatoare solare. Partea 1: Cerințe generale

Inlocuit prin SR EN 12975:2022

29.020 Electrotehnică în general

SR HD 384.7.711 S1:2004 T

Instalații electrice în construcții. Partea 7-711: Reguli pentru instalații și amplasamente speciale. Expoziții, spectacole și standuri

Inlocuit prin SR HD 60364-7-711:2019

29.100.10 Componente magnetice

SR EN 62317-4:2006 A

Miezuri de ferită. Dimensiuni. Partea 4: Miezuri RM și părți asociate

Inlocuit prin SR EN IEC 63093-4:2019

SR EN 60424-8:2016 A

Miezuri de ferită. Ghid pentru limitele neregularităților de suprafață. Partea 8: Miezuri PQ

SR EN 60424-2:2016 A

Miezuri de ferită. Ghid referitor la limitele neregularităților suprafeței. Partea 2: Miezuri RM

Inlocuit prin SR EN IEC 63093-4:2019

SR EN 62317-4:2006/AC:2018 ER

Miezuri de ferită. Dimensiuni. Partea 4: Miezuri RM și părți asociate

Inlocuit prin SR EN IEC 63093-4:2019

29.240.20 Linii de transport și distribuție a energiei electrice

SR EN 50341-2-4:2016 A

Linii electrice aeriene de tensiune alternativă mai mare de 1 kV. Partea 2-4: Aspectele normativelor naționale (NNA) pentru Germania (pe baza EN 50341-1:2012)

Inlocuit prin SR EN 50341-2-4:2020

29.260.20 Aparate și echipamente electrice pentru medii explozive

SR EN 60079-15:2011 NCT

Atmosfere explozive. Partea 15: Protecția echipamentului cu protecție de tip "n"

Inlocuit prin SR EN IEC 60079-15:2019

29.280 Echipament pentru tracțiune electrică

SR EN 50163:2006 NCT

Aplicații feroviare. Tensiuni de alimentare a rețelelor de tracțiune electrică

Inlocuit prin SR EN 50641:2020

31.060.30 Condensatoare cu hârtie și din materiale plastice

SR EN 60384-17:2006 A

Condensatoare fixe utilizate în echipamente electronice. Partea 17: Specificație intermediară: Condensatoare fixe pentru curent alternativ și pentru impulsuri cu dielectric din folie de polipropilenă metalizată

Inlocuit prin SR EN IEC 60384-17:2019

31.260 Optoelectronică. Aparate cu laser

SR EN 60825-12:2004 FCT

Securitatea în utilizare a produselor cu laser. Partea 12: Securitatea sistemelor de comunicații optice în spațiu liber utilizate pentru transmisii de informații

Inlocuit prin SR EN IEC 60825-12:2019

33.020 Telecomunicații în general**SR EN 300 674-2-1 V2.1.1:2016 A**

Telematică de trafic și transport (TTT). Echipament de transmisie (500 kbit/s / 250 kbit/s) pentru comunicații dedicate pe distanță mică (DSRC) funcționând în banda de frecvență de la 5795 MHz până la 5815 MHz. Partea 2: Standard armonizat acoperind cerințele esențiale ale articolului 3.2 al Directivei 2014/53/EU. Subpartea 1: Unitățile dispuse pe marginea drumului (RSU)

Inlocuit prin SR EN 300 674-2-1 V3.1.1:2022

SR EN 301 598 V2.1.1:2018 A

Dispozitive WSD. Sisteme cu acces fără fir care operează în banda de frecvențe de la 470 MHz până la 790 MHz pentru difuzare TV. Standard armonizat acoperind cerințele esențiale ale

Articolului 3.2 al Directivei 2014/53/EU

Inlocuit prin SR EN 301 598 V2.2.1:2022

33.180.10 Fibre optice și cabluri**SR EN 60794-2-30:2009 A**

Cabluri cu fibre optice. Partea 2-30: Cabluri de interior. Specificație de familie pentru cabluri tip panglică cu fibre optice

Inlocuit prin SR EN IEC 60794-2-30:2019

33.200 Telecomandă. Teleconducere**SR EN 61968-4:2008 A**

Integrarea de aplicații la companiile de distribuție a energiei electrice. Interfețe de sistem pentru managementul distribuției. Partea 4: Interfețe pentru înregistrări și gestiune de capital

Inlocuit prin SR EN IEC 61968-4:2019

35.020 Tehnologia informației (IT) în general**SR EN 50600-1:2013 NCT**

Tehnologia informației. Instalații și infrastructuri pentru centre de date. Partea 1: Concepte generale

Inlocuit prin SR EN 50600-1:2020

SR EN 50600-2-2:2014 A

Tehnologia informației. Instalații și infrastructuri pentru centre de prelucrare a datelor. Partea 2-2: Distribuția energiei electrice

Inlocuit prin SR EN 50600-2-2:2020

SR EN 50600-2-3:2015 A

Tehnologia informației. Instalații și infrastructuri pentru centre de prelucrare a datelor. Partea 2-3: Control al mediului ambiant

Inlocuit prin SR EN 50600-2-3:2020

35.110 Rețele**SR EN 50600-2-2:2014 A**

Tehnologia informației. Instalații și infrastructuri pentru centre de prelucrare a datelor. Partea 2-2: Distribuția energiei electrice

Inlocuit prin SR EN 50600-2-2:2020

SR EN 50600-2-3:2015 A

Tehnologia informației. Instalații și infrastructuri pentru centre de prelucrare a datelor. Partea 2-3: Control al mediului ambiant

Inlocuit prin SR EN 50600-2-3:2020

35.160 Sisteme de microprocesoare**SR EN 50600-1:2013 NCT**

Tehnologia informației. Instalații și infrastructuri pentru centre de date. Partea 1: Concepte generale

Inlocuit prin SR EN 50600-1:2020

SR EN 50600-2-3:2015 A

Tehnologia informației. Instalații și infrastructuri pentru centre de prelucrare a datelor. Partea 2-3: Control al mediului ambiant

Inlocuit prin SR EN 50600-2-3:2020

35.240.80 Aplicații IT în medicină**SR EN 17269:2020 A**

Informatică medicală. Rezumatul internațional al dosarului medical al pacientului

Inlocuit prin SR EN ISO 27269:2022

45.040 Materiale și componente pentru căi ferate**SR EN 15427+A1:2011 NCT**

Aplicații feroviare. Controlul frecării roată/șină. Lubrifierea buzei roții

Inlocuit prin SR EN 15427-1-1:2022

45.060.01 Material rulant pentru căi ferate în general**SR EN 16186-3+A1:2019 NCT**

Aplicații feroviare. Cabină de conducere. Partea 3: Concepția afișajelor

Inlocuit prin SR EN 16186-3:2022

47.080 Nave de agrement**SR EN ISO 10087:2019 NCT**

Nave mici. Identificarea navelor. Sistem de codificare

Inlocuit prin SR EN ISO 10087:2022

49.030.30 Piulițe

SR EN 3228:2010 **A**

Serie aerospațială. Piulițe hexagonale plane, cu înălțime redusă, de oțel, cadmate. Clasa: 900 MPa (la temperatură ambiantă)/235 grade C
Inlocuit prin SR EN 3228:2022

49.060 Echipament electric

SR EN 4641-301:2011 **A**

Serie aerospațială. Cabluri optice cu diametru exterior al ecranului optic 1,25 μm. Partea 301: Cablu cu structură etanșă, fibră cu gradient cu indice 50/125 μm, diametru exterior 1,8 mm. Standard de produs
Inlocuit prin SR EN 4641-301:2022

53.040.10 Transportoare

SR EN 619+A1:2011 **NCT**

Mijloace și sisteme de transport continuu. Cerințe de securitate și CEM pentru echipamente de transport mecanice a sarcinilor unitare
Inlocuit prin SR EN 619:2022

53.080 Echipament de stocare

SR EN 15512:2021 **A**

Sisteme de depozitare statice de oțel. Rafturi reglabile pentru palete. Principii pentru proiectarea structurală
Inlocuit prin SR EN 15512+A1:2022

53.100 Mașini și utilaje pentru lucrări terasiere

SR EN 474-2+A1:2009 **NCT**

Mașini de terasament. Securitate. Partea 2: Cerințe pentru buldozere
Inlocuit prin SR EN 474-2:2022

SR EN 474-12+A1:2009 **NCT**

Mașini de terasament. Securitate. Partea 12: Cerințe pentru excavatoarele cu cablu
Inlocuit prin SR EN 474-12:2022

SR EN 474-11+A1:2009 **NCT**

Mașini de terasament. Securitate. Partea 11: Cerințe pentru compactoare de pământ și deșeuri
Inlocuit prin SR EN 474-11:2022

SR EN 474-3+A1:2009 **NCT**

Mașini de terasament. Securitate. Partea 3: Cerințe pentru încărcătoare
Inlocuit prin SR EN 474-3:2022

SR EN 474-10+A1:2009 **NCT**

Mașini de terasament. Securitate. Partea 10: Cerințe pentru săpătoare de șanțuri
Inlocuit prin SR EN 474-10:2022

SR EN 474-9+A1:2009 **NCT**

Mașini de terasament. Securitate. Partea 9: Cerințe pentru pozatoare de conducte
Inlocuit prin SR EN 474-9:2022

SR EN 474-8+A1:2009 **NCT**

Mașini de terasament. Securitate. Partea 8: Cerințe pentru gredere
Inlocuit prin SR EN 474-8:2022

SR EN 474-7+A1:2009 **NCT**

Mașini de terasament. Securitate. Partea 7: Cerințe pentru screpere
Inlocuit prin SR EN 474-7:2022

SR EN 474-6+A1:2009 **NCT**

Mașini de terasament. Securitate. Partea 6: Cerințe pentru dumpere
Inlocuit prin SR EN 474-6:2022

SR EN 474-4+A2:2012 **NCT**

Mașini de terasament. Securitate. Partea 4: Cerințe pentru încărcătoare-excavatoare
Inlocuit prin SR EN 474-4:2022

SR EN 474-5+A3:2013 **NCT**

Mașini de terasament. Securitate. Partea 5: Cerințe pentru excavatoare hidraulice
Inlocuit prin SR EN 474-5:2022

SR EN 474-1+A6:2019 **T**

Mașini de terasament. Securitate. Partea 1: Cerințe generale
Inlocuit prin SR EN 474-1:2022

59.100.10 Materiale armate cu fire de sticlă

SR EN ISO 2078:2002 **FCT**

Sticlă textilă. Fire. Codificare
Inlocuit prin SR EN ISO 2078:2022

SR EN ISO 2078:2002/A1:2016 **A**

Sticlă textilă. Fire. Codificare
Inlocuit prin SR EN ISO 2078:2022

65.060.80 Echipamente forestiere

SR EN ISO 11806-1:2012 **A**

Mașini agricole și forestiere. Cerințe de securitate și încercări pentru aparate portabile pentru curățat tufișuri și tăiat iarbă, acționate de un motor cu ardere internă. Partea 1: Mașini echipate cu un motor cu ardere internă integrat

Inlocuit prin SR EN ISO 11806-1:2022

SR EN ISO 11806-2:2012 **NCT**
Mașini agricole și forestiere. Cerințe de securitate și încercări pentru aparate portabile pentru curățat tufișuri și tăiat iarbă, acționate de un motor cu ardere internă. Partea 2: Mașini echipate cu motor purtat în spate
Inlocuit prin SR EN ISO 11806-2:2022

67.050 Metode generale de analiză pentru produse alimentare
SR EN 13708:2002 **FC**
Produse alimentare. Detectia prin spectroscopie ESR a alimentelor ionizate care conțin zahăr cristalizat
Inlocuit prin SR EN 13708:2022

71.100.20 Gaze pentru aplicații industriale
SR EN 17124:2019 **A**
Hidrogen combustibil. Specificație de produs și asigurarea calității. Aplicații cu pile de combustie cu membrană cu schimb de protoni (PEM) pentru vehicule rutiere
Inlocuit prin SR EN 17124:2022

73.020 Exploatare miniere și în cariere
SR EN 12372:2007 **NCT**
Metode de încercare a pietrei naturale. Determinarea rezistenței la flexiune sub sarcină concentrată
Inlocuit prin SR EN 12372:2022

75.160.20 Combustibili lichizi
SR EN 590+A1:2017 **NCT**
Carburanți pentru automobile. Motorină. Cerințe și metode de încercare
Inlocuit prin SR EN 590:2022

SR EN 16734+A1:2019 **T**
Carburanți pentru automobile. Carburant diesel B10 pentru automobile. Cerințe și metode de încercare
Inlocuit prin SR EN 16734:2022

75.180.10 Mașini și utilaje pentru exploatare și extracție
SR EN ISO 10423:2010 **A**
Industria petrolului și gazelor naturale. Echipament de foraj și de extracție. Echipament pentru capete de sondă și capete de erupție
Inlocuit prin SR EN ISO 10423:2022

77.040.10 Încercări mecanice ale metalelor
SR EN 10328:2005 **A**
Fontă și oțel. Determinarea adâncimii convenționale de călire după încălzire superficială
Inlocuit prin SR EN ISO 18203:2022

77.040.99 Alte metode de încercări ale metalelor
SR ISO 4970:1994 **T**
Oțel. Determinarea adâncimii totale sau convenționale a straturilor subțiri durificate superficial
Inlocuit prin SR EN ISO 18203:2022

SR EN ISO 2639:2003 **FC**
Oțeluri. Determinarea și verificarea adâncimii de cimentare
Inlocuit prin SR EN ISO 18203:2022

77.080.01 Metale feroase în general
SR ISO 9647:1994 **T**
Fonte și oțeluri. Determinarea conținutului de vanadiu. Metoda spectrometrică de absorbție atomică în flacără
Inlocuit prin SR EN ISO 9647:2022

SR ISO 11652:2000 **T**
Fonte și oțeluri. Determinarea conținutului de cobalt. Metoda prin spectrometrie de absorbție atomică în flacără
Inlocuit prin SR EN ISO 11652:2022

77.140.20 Oțeluri inoxidabile
SR EN 10250-2:2002 **T**
Piese forjate din oțel pentru uz general. Partea 2: Oțeluri nealiat de calitate și oțeluri speciale
Inlocuit prin SR EN 10250-2:2022

SR EN 10250-3:2002 **T**
Piese forjate din oțel pentru uz general. Partea 3: Oțeluri aliate speciale
Inlocuit prin SR EN 10250-3:2022

77.140.50 Produse și semi-produse plate din oțel
SR EN 10169+A1:2012 **A**
Produse plate de oțel acoperite continuu cu materiale organice (acoperire în bandă continuă). Condiții tehnice de livrare
Inlocuit prin SR EN 10169:2022

77.140.85 Piese forjate

SR EN 10250-1:2002 T
Piese forjate din oțel pentru uz general. Partea 1:
Condiții generale
Inlocuit prin SR EN 10250-1:2022

SR EN 10250-2:2002 T
Piese forjate din oțel pentru uz general. Partea 2:
Oțeluri nealiat de calitate și oțeluri speciale
Inlocuit prin SR EN 10250-2:2022

SR EN 10250-3:2002 T
Piese forjate din oțel pentru uz general. Partea 3:
Oțeluri aliate speciale
Inlocuit prin SR EN 10250-3:2022

77.150.10 Produse din aluminiu
SR EN 12020-1:2008 A
Aluminiu și aliaje de aluminiu. Profile de precizie
extrudate din aliaje EN AW-6060 și EN AW-6063.
Partea 1: Condiții tehnice de inspecție și de
livrare
Inlocuit prin SR EN 12020-1:2022

SR EN 851:2014 A
Aluminiu și aliaje de aluminiu. Semifabricate
pentru discuri și discuri pentru aplicații culinare.
Specificații tehnice
Inlocuit prin SR EN 851:2022

SR EN 941:2014 A
Aluminiu și aliaje de aluminiu. Semifabricate
pentru discuri și discuri pentru aplicații generale.
Specificații tehnice
Inlocuit prin SR EN 941:2022

**77.180 Echipamente pentru industria
metalurgică**
SR EN 14753:2008
NCT
Securitatea mașinilor. Cerințe de securitate
pentru mașini și echipamente de turnare continuă
a oțelului
Inlocuit prin SR EN 14753:2022

SR EN 15093:2009
A
Securitatea mașinilor. Cerințe de securitate
pentru laminoare de țevi la cald
Inlocuit prin SR EN 15093:2022

SR EN 15061+A1:2009 A
Securitatea mașinilor. Cerințe de securitate
pentru mașini și utilaje de prelucrare a benzilor
Inlocuit prin SR EN 15061:2022

83.080.01 Materiale plastice, în general
24

SR EN ISO 3915:2004
FC
Materiale plastice. Determinarea rezistivității
materialelor plastice conductoare
Inlocuit prin SR EN ISO 3915:2022

SR EN ISO 11357-7:2016
NCT
Materiale plastice. Analiza calorimetrică
diferențială (DSC) Partea 7: Determinarea
cineticii de cristalizare
Inlocuit prin SR EN ISO 11357-7:2022

83.080.10 Materiale termorigide
SR EN ISO 3146:2001
FC
Materiale plastice. Determinarea comportării la
topire (temperatură de topire sau interval de
topire) a polimerilor semi-cristalini prin metodele
tubului capilar și a microscopului cu polarizare
Inlocuit prin SR EN ISO 3146:2022

SR EN ISO 489:2004
FC
Materiale plastice. Determinarea indicelui de
refracție
Inlocuit prin SR EN ISO 489:2022

SR EN ISO 3146:2001/AC:2009
A
Materiale plastice. Determinarea comportării la
topire (temperatură de topire sau domeniu de
topire) a polimerilor semicristalini, prin metoda
tubului capilar și a microscopului cu polarizare
Inlocuit prin SR EN ISO 3146:2022

83.140.10 Filme și folii
SR EN ISO 15013:2008
NCT
Materiale plastice. Plăci extrudate de
polipropilenă (PP). Cerințe și metode de
încercare
Inlocuit prin SR EN ISO 15013:2022

83.140.40 Furtunuri flexibile
SR EN ISO 4671:2008
NCT
Furtunuri și furtunuri cu racorduri la capete, de
cauciuc și de materiale plastice. Metode de
măsurare a dimensiunilor furtunurilor și a lungimii
furtunurilor cu racorduri la capete
Inlocuit prin SR EN ISO 4671:2022

SR EN ISO 4671:2008/A1:2012 T

Furtunuri și furtunuri cu racorduri la capete, de cauciuc și materiale plastice. Metode de măsurare a dimensiunilor furtunurilor și a lungimilor de furtunuri cu racorduri la capete.
Amendament 1: Clarificarea poziției de măsurare a diametrului exterior
Inlocuit prin SR EN ISO 4671:2022

85.040 Celuloze

SR ISO 6587:1998

Hârtie, carton și celuloze. Determinarea conductivității extractelor apoase
Inlocuit prin SR ISO 6587:2022

T

SR EN ISO 638-2:2021

A

Hârtii, carton, celuloze și nanomateriale pe bază de celuloză. Determinarea conținutului de substanță uscată prin metoda uscării în etuvă.
Partea 2: Suspensii de nanomateriale pe bază de celuloză
Inlocuit prin SR EN ISO 638-2:2022

85.060 Hârtie și carton

SR ISO 10716:1996

Hârtie și carton. Determinarea rezervei alcaline
Inlocuit prin SR ISO 10716:2022

T

SR ISO 6587:1998

Hârtie, carton și celuloze. Determinarea conductivității extractelor apoase
Inlocuit prin SR ISO 6587:2022

T

SR EN ISO 638-2:2021

A

Hârtii, carton, celuloze și nanomateriale pe bază de celuloză. Determinarea conținutului de substanță uscată prin metoda uscării în etuvă.
Partea 2: Suspensii de nanomateriale pe bază de celuloză
Inlocuit prin SR EN ISO 638-2:2022

87.040 Vopsele și emailuri

SR EN ISO 8130-4:2011

Vopsele pulbere pentru acoperire. Partea 4: Calculul limitei inferioare de explozie
Inlocuit prin SR EN ISO 8130-4:2022

T

SR EN ISO 16925:2014

A

Vopsele și lacuri. Determinarea rezistenței acoperirilor la un jet de apă sub presiune
Inlocuit prin SR EN ISO 16925:2022

SR EN 15458:2015

A

Vopsele și lacuri. Metodă de laborator pentru încercarea eficienței agenților de conservare ai filmului unei acoperiri împotriva algelor
Inlocuit prin SR EN 15458:2022

SR EN 15457:2015

A

Vopsele și lacuri. Metodă de laborator pentru încercarea eficienței agenților de conservare ai filmului unei acoperiri împotriva fungilor
Inlocuit prin SR EN 15457:2022

91.010.99 Alte aspecte

SR EN 16908:2017

NCT

Ciment și var pentru construcții. Declarații de mediu pentru produse. Reguli specifice categoriei de produse în completarea celor din EN 15804
Inlocuit prin SR EN 16908+A1:2022

91.100.10 Ciment. Ipsos. Var. Mortar

SR EN 16908:2017

NCT

Ciment și var pentru construcții. Declarații de mediu pentru produse. Reguli specifice categoriei de produse în completarea celor din EN 15804
Inlocuit prin SR EN 16908+A1:2022

91.100.15 Materiale și produse minerale

SR EN 12372:2007

NCT

Metode de încercare a pietrei naturale. Determinarea rezistenței la flexiune sub sarcină concentrată
Inlocuit prin SR EN 12372:2022

91.120.10 Izolație termică

SR EN 15232-1:2018

Performanța energetică a clădirilor. Partea 1: Impact al automatizării, reglării și managementului tehnic al clădirii. Module M10-4,5,6,7,8,9,10
Inlocuit prin SR EN ISO 52120-1:2022

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91.140.50 Sisteme de alimentare cu energie electrică

SR HD 384.7.711 S1:2004

Instalații electrice în construcții. Partea 7-711: Reguli pentru instalații și amplasamente speciale. Expoziții, spectacole și standuri
Inlocuit prin SR HD 60364-7-711:2019

T

SR EN 50600-2-2:2014

A

Tehnologia informației. Instalații și infrastructuri pentru centre de prelucrare a datelor. Partea 2-2: Distribuția energiei electrice
Inlocuit prin SR EN 50600-2-2:2020

91.220 Mașini și utilaje pentru construcții

SR EN 74-1:2006

FC

Racorduri, prezoane de asamblare și plăci de bază utilizate la schele și eșafodaje de lucru. Partea 1: Racorduri pentru țevi. Cerințe de performanță și metode de încercare
Inlocuit prin SR EN 74-1:2022

SR EN 74-2:2009

A

Racorduri, prezoane de asamblare și plăci de bază utilizate la schele și eșafodaje de lucru. Partea 2: Racorduri speciale. Cerințe și proceduri de încercare
Inlocuit prin SR EN 74-2:2022

97.120 Comenzi automate de uz casnic

SR EN 60730-2-12:2006

T

Dispozitive automate de comandă electrică pentru uz casnic și similar. Partea 2-12: Prescripții particulare pentru zăvoare electrice de uși
Inlocuit prin SR EN IEC 60730-2-12:2019

SR EN 60730-2-12:2006/A11:2009

NCT

Dispozitive automate de comandă electrică pentru uz casnic și similar. Partea 2-12:

Prescripții particulare pentru zăvoare electrice de uși

Inlocuit prin SR EN IEC 60730-2-12:2019

SR EN 60730-2-15:2010

T

Dispozitive de comandă automate a aparatelor pentru uz casnic și scopuri similare. Partea 2-15: Prescripții particulare pentru dispozitive automate de comandă de detectare a debitului de aer, a debitului de apă și a nivelului de apă
Inlocuit prin SR EN IEC 60730-2-15:2019

SR EN 15232-1:2018

T

Performanța energetică a clădirilor. Partea 1: Impact al automatizării, reglării și managementului tehnic al clădirii. Module M10-4,5,6,7,8,9,10
Inlocuit prin SR EN ISO 52120-1:2022

97.170 Echipamente pentru îngrijirea corpului

SR EN ISO 20126:2012

A

Stomatologie. Periuțe de dinți manuale. Cerințe generale și metode de încercare
Inlocuit prin SR EN ISO 20126:2022

SR EN ISO 20126:2012/A1:2018

A

Stomatologie. Periuțe de dinți manuale. Cerințe generale și metode de încercare. Amendament 1
Inlocuit prin SR EN ISO 20126:2022

STANDARDE EUROPENE / INTERNAȚIONALE ADOPTATE ÎNFIȚĂL 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.

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03.120.20 Certificarea produselor și a întreprinderilor. Evaluarea conformității

SR EN ISO/IEC 27007:2022

NCT

Securitatea informației, securitatea cibernetică și protecția confidențialității
Linii directe pentru auditarea sistemelor de management al securității informației
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03.220.20 Transport rutier

SR EN ISO 13140-1:2017

NCT

Colectarea electronică a taxei. Evaluarea echipamentelor îmbarcate și rutiere, pentru conformitatea cu ISO 13141. Partea 1: Structura

seriei de testări și scopul testărilor (ISO 13140-1:2016)

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SR EN ISO 13140-2:2017 NCT

Colectarea electronică a taxei. Evaluarea echipamentelor îmbarcate și rutiere, pentru conformitatea cu ISO 13141. Partea 2: Serie de testări abstracte

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13.020.40 Poluare, controlul poluării și protecția mediului

SR EN ISO 14065:2021 NCT

Principii generale și cerințe pentru organismele care efectuează validarea și verificarea informațiilor de mediu

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13.120 Securitatea în locuințe

SR EN 60335-2-35:2016/A1:2020 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-35: Prescripții particulare pentru încălzitoare de apă instantanee

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SR EN 60335-2-27:2015/A2:2020 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-27: Prescripții particulare pentru aparate de expunere a pielii la radiații ultraviolete și infraroșii

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SR EN 60335-2-27:2015/A1:2020 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-27: Prescripții particulare pentru aparate de expunere a pielii la radiații ultraviolete și infraroșii

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SR EN 60335-2-30:2010/A12:2020 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-30: Prescripții particulare pentru aparate de încălzit încăperi

Data aprobării: 30.10.2020

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SR EN 60335-1:2012/A15:2021 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 1: Prescripții generale

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SR EN 60335-2-35:2016/A2:2021 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-35: Prescripții particulare pentru încălzitoare de apă instantanee

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SR EN IEC 60335-2-25:2021 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-25: Prescripții particulare pentru cuptoare cu microunde, inclusiv cuptoare cu microunde combinate

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SR EN 60335-2-27:2015/AC:2021 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-27: Prescripții particulare pentru aparate de expunere a pielii la radiații ultraviolete și infraroșii

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17.200.10 Căldură. Calorimetrie

SR EN 1434-4+A1:2019 NCT

Contoare de energie termică. Partea 4: Încercări în vederea aprobării de model

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23.020.10 Rezervoare și bazine fixe

SR EN 13121-1:2021 NCT

Rezervoare și recipiente de PAS pentru aplicații deasupra solului. Partea 1: Materii prime. Condiții pentru specificații și criteriile de acceptare

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23.040.01 Conducte și accesorii în general

SR EN 13480-2:2017/A1:2019 NCT

Conducte industriale metalice. Partea 2: Materiale

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SR EN 13480-2:2017/A2:2019 NCT

Conducte industriale metalice. Partea 2: Materiale

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SR EN 13480-2:2017/A3:2019 NCT
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SR EN 13480-2:2017/A7:2020 NCT
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Materiale
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SR EN 13480-2:2017/A8:2021 NCT
Conducte industriale metalice. Partea 2:
Materiale
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23.060.01 Robinetărie în general
SR EN 12516-2+A1:2021 NCT
Robinetărie industrială. Rezistența mecanică a
carcaselor. Partea 2: Metoda de calcul pentru
carcasele robinetelor de oțel
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25.140.20 Unelte electrice
SR EN IEC 62841-2-3:2021 NCT
Unelte electrice portabile cu motor, unelte
transportabile și mașini pentru grădină și gazon.
Securitate. Partea 2-3: Prescripții particulare
pentru polizoare portabile, mașini de șlefuit cu
disc și mașini de lustruit cu disc portabile
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Data traducerii: 29.04.2022

27.160 Energie solară
SR EN 12977-2:2018 NCT
Instalații termice solare și componentele
acestora. Instalații realizate pe șantier. Partea 2:
Metode de încercare pentru instalații de încălzire
solară a apei și instalații solare combinate
Data aprobarii: 28.09.2018
Data traducerii: 29.04.2022

SR EN 12977-3:2018 NCT
Instalații termice solare și componentele
acestora. Instalații realizate pe șantier. Partea 3:
Metode de încercare a performanțelor
rezervoarelor de acumulare din instalațiile solare
de încălzire a apei
Data aprobarii: 28.09.2018
Data traducerii: 29.04.2022

**29.120.50 Siguranțe fuzibile și alte aparate
de protecție la scurtcircuit**
SR EN 50526-3:2016 NCT
Aplicații feroviare. Instalații fixe. Descărcătoare și
limitatoare de tensiune pentru sisteme în curent
continuu. Partea 3: Ghid de aplicare
Data aprobarii: 29.11.2016
Data traducerii: 29.04.2022

29.140.40 Corpuri de iluminat
SR EN IEC 60598-2-23:2021 NCT
Corpuri de iluminat. Partea 2-23: Cerințe
particulare. Sisteme de iluminat de tensiune
foarte joasă pentru surse de lumină TFJ
Data aprobarii: 26.02.2021
Data traducerii: 29.04.2022

**29.280 Echipament pentru tracțiune
electrică**
SR EN 50526-3:2016 NCT
Aplicații feroviare. Instalații fixe. Descărcătoare și
limitatoare de tensiune pentru sisteme în curent
continuu. Partea 3: Ghid de aplicare
Data aprobarii: 29.11.2016
Data traducerii: 29.04.2022

33.100.10 Emisie
SR EN 55032:2015/A11:2020 NCT
Compatibilitate electromagnetică pentru
echipamente multimedia. Cerințe de emisie
Data aprobarii: 30.06.2020
Data traducerii: 29.04.2022

33.100.20 Imunitate
SR EN 55035:2017/A11:2020 NCT
Compatibilitate electromagnetică pentru
echipamente multimedia. Cerințe de imunitate
Data aprobarii: 31.07.2020
Data traducerii: 29.04.2022

35.030 Securitatea IT
SR EN ISO/IEC 27007:2022 NCT
Securitatea informației, securitatea cibernetică și
protecția confidențialității
Linii directe pentru auditarea sistemelor de
management al securității informației
Data aprobarii: 31.03.2022
Data traducerii: 29.04.2022

35.240.60 Aplicații IT în transport
SR EN ISO 13140-1:2017 NCT

Colectarea electronică a taxei. Evaluarea echipamentelor îmbarcate și rutiere, pentru conformitatea cu ISO 13141. Partea 1: Structura seriei de testări și scopul testărilor (ISO 13140-1:2016)

Data aprobării: 31.05.2017

Data traducerii: 29.04.2022

SR EN ISO 13140-2:2017 **NCT**

Colectarea electronică a taxei. Evaluarea echipamentelor îmbarcate și rutiere, pentru conformitatea cu ISO 13141. Partea 2: Serie de testări abstracte

Data aprobării: 31.05.2017

Data traducerii: 29.04.2022

35.240.80 Aplicații IT în medicină

SR EN ISO 21549-5:2016 **NCT**

Informatică medicală. Date referitoare la cardul de sănătate al pacientului. Partea 5: Date de identificare

Data aprobării: 30.09.2016

Data traducerii: 29.04.2022

45.040 Materiale și componente pentru căi ferate

SR EN 14198+A2:2021 **NCT**

Aplicații feroviare. Frânare. Cerințe referitoare la sistemul de frânare al trenurilor remorcate de locomotivă

Data aprobării: 30.06.2021

Data traducerii: 29.04.2022

45.060.01 Material rulant pentru căi ferate în general

SR EN 14198+A2:2021 **NCT**

Aplicații feroviare. Frânare. Cerințe referitoare la sistemul de frânare al trenurilor remorcate de locomotivă

Data aprobării: 30.06.2021

Data traducerii: 29.04.2022

67.050 Metode generale de analiză

pentru produse alimentare

SR EN 17279:2020 **NCT**

Produse alimentare. Multimetodă pentru screening pentru aflatoxina B1, deoxinivalenol, fumonizina B1 și B2, ocratoxina A, toxina T-2, toxina HT-2 și zearalenonă în produsele alimentare, cu excepția alimentelor pentru sugari și copii mici, prin LC-MS/MS

Data aprobării: 28.02.2020

Data traducerii: 29.04.2022

67.060 Cereale, leguminoase și produse derivate

SR EN 16923:2017 **NCT**

Produse alimentare. Determinarea conținutului de toxine T-2 și HT-2 în cereale și produse din cereale pentru sugari și copii mici prin LC-MS/MS după purificare prin SPE

Data aprobării: 31.10.2017

Data traducerii: 29.04.2022

67.230 Alimente preparate și

preambalate

SR EN 16923:2017 **NCT**

Produse alimentare. Determinarea conținutului de toxine T-2 și HT-2 în cereale și produse din cereale pentru sugari și copii mici prin LC-MS/MS după purificare prin SPE

Data aprobării: 31.10.2017

Data traducerii: 29.04.2022

75.080 Produse petroliere în general

SR EN ISO 20844:2016 **NCT**

Produse petroliere și produse înrudite. Determinarea stabilității la forfecare a uleiurilor care conțin polimeri prin utilizarea unui injector pentru motor diesel

Data aprobării: 29.02.2016

Data traducerii: 29.04.2022

81.040.20 Sticlă pentru construcții

SR EN 1279-5:2018 **NCT**

Sticlă pentru construcții. Elemente de vitraje izolante. Partea 5: Standard de produs

Data aprobării: 31.10.2018

Data traducerii: 29.04.2022

SR EN 1279-6:2018 **NCT**

Sticlă pentru construcții. Elemente de vitraje izolante. Partea 6: Controlul producției în fabrică și încercări periodice

Data aprobării: 21.12.2018

Data traducerii: 29.04.2022

91.060.40 Coșuri, goluri pentru ascensoare, goluri de aerisire

SR EN 16475-1:2020 **NCT**

Coșuri de fum. Accesorii. Partea 1: Amortizoare de zgomot. Cerințe și metode de încercare

Data aprobării: 30.06.2020

Data traducerii: 29.04.2022

91.080.20 Structuri de lemn

SR EN 409:2009 **NCT**
Structuri de lemn. Metode de încercare.
Determinarea momentului de curgere plastică al
elementelor de fixare tip tijă
Data aprobării: 30.09.2009
Data traducerii: 15.04.2022

91.100.50 Lianți. Materiale pentru etanșare

SR EN 15812:2011 **NCT**
Acoperiri groase pentru hidroizolații, din bitum
modificat cu polimeri. Determinarea capacității de
blocare a fisurilor
Data aprobării: 31.08.2011
Data traducerii: 29.04.2022

SR EN 15813:2011 **NCT**
Acoperiri groase pentru hidroizolații, din bitum
modificat cu polimeri. Determinarea flexibilității la
temperaturi scăzute
Determinarea flexibilității la
temperaturi scăzute
Data aprobării: 31.08.2011
Data traducerii: 29.04.2022

SR EN 15815:2011 **NCT**
Acoperiri groase pentru hidroizolații, din bitum
modificat cu polimeri.
Rezistență la compresiune
Data aprobării: 31.08.2011
Data traducerii: 29.04.2022

SR EN 15816:2011 **NCT**
Acoperiri groase pentru hidroizolații, din bitum
modificat cu polimeri.
Rezistență la ploaie
Data aprobării: 31.08.2011
Data traducerii: 29.04.2022

SR EN 15817:2011 **NCT**
Acoperiri groase pentru hidroizolații, din bitum
modificat cu polimeri. Rezistență la apă

Data aprobării: 31.08.2011
Data traducerii: 29.04.2022

SR EN 15818:2011 **NCT**
Acoperiri groase pentru hidroizolații, din bitum
modificat cu polimeri. Determinarea stabilității
dimensionale la temperatură înaltă
Determinarea
stabilității dimensionale la temperatură înaltă
Data aprobării: 31.08.2011
Data traducerii: 29.04.2022

SR EN 15819:2011 **NCT**
Acoperiri groase pentru hidroizolații, din bitum
modificat cu polimeri. Reducerea grosimii stratului
la uscare totală
Reducerea grosimii stratului la
uscare totală
Data aprobării: 31.08.2011

Data traducerii: 29.04.2022

SR EN 15820:2011 **NCT**
Acoperiri groase pentru hidroizolații, din bitum
modificat cu polimeri. Determinarea etanșeității la
apă. Determinarea etanșeității la apă
Data aprobării: 31.08.2011
Data traducerii: 29.04.2022

**91.100.60 Materiale pentru izolație termică
și fonică**

SR EN 15600-2:2010 **NCT**
Produse termoizolante pentru echipamente din
clădiri și instalații industriale. Izolație termică in-
situ formată din produse de vermiculit exfoliat
(EV). Partea 2: Specificație pentru produse
instalate
Izolație termică in-situ formată din
produse de vermiculit exfoliat (EV)
Partea 2: Specificație pentru produse instalate
Data aprobării: 24.12.2010
Data traducerii: 29.04.2022

SR EN 15599-2:2010 **NCT**
Produse termoizolante pentru echipamente din
clădiri și instalații industriale. Izolație termică in-
situ formată din produse de perlit expandat (EP).
Partea 2: Specificație pentru produse instalate
Data aprobării: 24.12.2010
Data traducerii: 29.04.2022

91.140.10 Sisteme de încălzire centrale

SR EN 12977-2:2018 **NCT**
Instalații termice solare și componentele
acestora. Instalații realizate pe șantier. Partea 2:
Metode de încercare pentru instalații de încălzire
solară a apei și instalații solare combinate
Data aprobării: 28.09.2018
Data traducerii: 29.04.2022

SR EN 12977-3:2018 **NCT**
Instalații termice solare și componentele
acestora. Instalații realizate pe șantier. Partea 3:
Metode de încercare a performanțelor
rezervoarelor de acumulare din instalațiile solare
de încălzire a apei
Data aprobării: 28.09.2018
Data traducerii: 29.04.2022

91.140.65 Aparate de încălzire a apei
SR EN 12977-2:2018 **NCT**
Instalații termice solare și componentele
acestora. Instalații realizate pe șantier. Partea 2:
Metode de încercare pentru instalații de încălzire
solară a apei și instalații solare combinate
Data aprobării: 28.09.2018
Data traducerii: 29.04.2022

SR EN 12977-3:2018 **NCT**

Instalații termice solare și componentele acestora. Instalații realizate pe șantier. Partea 3: Metode de încercare a performanțelor rezervoarelor de acumulare din instalațiile solare de încălzire a apei

Data aprobării: 28.09.2018

Data traducerii: 29.04.2022

SR EN 60335-2-73:2004/A11:2021 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-73: Prescripții particulare pentru termoplonjoare fixate

Data aprobării: 31.08.2021

Data traducerii: 29.04.2022

97.030 Aparat electrocasnice în general

SR EN 60335-2-49:2004/A2:2020 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-49: Prescripții particulare pentru aparate electrice de uz comercial pentru menținerea la cald a alimentelor și a veselei

Data aprobării: 30.04.2020

Data traducerii: 29.04.2022

SR EN 60335-1:2012/A15:2021 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 1: Prescripții generale

Data aprobării: 30.07.2021

Data traducerii: 29.04.2022

97.040.20 Aragaze, aparate de încălzire, cuptoare și aparate similare

SR EN 60335-2-47:2004/A2:2020 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-47: Prescripții particulare pentru marmite electrice de uz comercial

Data aprobării: 30.04.2020

Data traducerii: 29.04.2022

SR EN IEC 60335-2-25:2021 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-25: Prescripții particulare pentru cuptoare cu microunde, inclusiv cuptoare cu microunde combinate

Data aprobării: 29.11.2021

Data traducerii: 29.04.2022

97.040.30 Aparat de răcit de uz casnic

SR EN 60335-2-24:2010/A11:2020 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-24: Prescripții particulare pentru aparate frigorifice, aparate de preparat înghețată și aparate de fabricat gheață

Data aprobării: 30.10.2020

Data traducerii: 29.04.2022

97.040.50 Aparat mici de bucătărie

SR EN 60335-2-35:2016/A1:2020 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-35: Prescripții particulare pentru încălzitoare de apă instantanee

Data aprobării: 31.03.2020

Data traducerii: 29.04.2022

SR EN 60335-2-48:2004/A2:2020 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-48: Prescripții particulare pentru grătare și prăjitoare de pâine electrice de uz comercial

Data aprobării: 30.04.2020

Data traducerii: 29.04.2022

SR EN 60335-2-35:2016/A2:2021 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-35: Prescripții particulare pentru încălzitoare de apă instantanee

Data aprobării: 29.11.2021

Data traducerii: 29.04.2022

97.100.10 Aparat de încălzit electrice

SR EN 60335-2-30:2010/A12:2020 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-30: Prescripții particulare pentru aparate de încălzit încăperi

Data aprobării: 30.10.2020

Data traducerii: 29.04.2022

97.170 Echipamente pentru îngrijirea corpului

SR EN 60335-2-27:2015/A2:2020 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-27: Prescripții particulare pentru aparate de expunere a pielii la radiații ultraviolete și infraroșii

Data aprobării: 30.06.2020

Data traducerii: 29.04.2022

SR EN 60335-2-27:2015/A1:2020 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-27: Prescripții particulare pentru aparate de expunere a pielii la radiații ultraviolete și infraroșii

Data aprobării: 30.06.2020

Data traducerii: 29.04.2022

SR EN 60335-2-27:2015/AC:2021 NCT

Aparate electrice pentru uz casnic și scopuri similare. Securitate. Partea 2-27: Prescripții

Buletinul Standardizării – **Mai 2022**
particulare pentru aparate de expunere a pielii la
radiații ultraviolete și infraroșii
Data aprobării: 23.12.2021
Data traducerii: 29.04.2022

97.190 Echipamente pentru copii
SR EN 1888-2:2019 NCT
Articole de puericultură. Cărucioare pentru copii.
Partea 2: Cărucioare pentru copii de la 15 kg
până la 22 kg
Data aprobării: 31.05.2019
Data traducerii: 29.04.2022

SR EN 13210-2:2020 NCT
Articole de puericultură. Partea 2: Hamuri
prevăzute cu rucsac și lesă de plimbare pentru
copii. Cerințe de securitate și metode de
încercare
Data aprobării: 23.12.2020

Data traducerii: 29.04.2022

SR EN 13210-1:2020 NCT
Articole de puericultură. Partea 1: Hamuri și lese
de plimbare pentru copii. Cerințe de securitate și
metode de încercare
Data aprobării: 23.12.2020
Data traducerii: 29.04.2022

SR EN 13209-1:2021 NCT
Articole de puericultură. Port-bebe. Cerințe de
securitate și metode de încercare. Partea 1: Port-
bebe dorsal cu cadru
Data aprobării: 30.09.2021
Data traducerii: 29.04.2022

STANDARDE ROMÂNE ORIGINALE PROPUSE PENTRU ANULARE - ANCHETĂ PUBLICĂ

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 131 – Corpuri de iluminat

STAS 3008-85
Lămpi electrice cu incandescența. Clasificare
Termen limita: 31.07.2022

STAS 3009-90
Lămpi electrice cu incandescență de format
normal. Tensiuni și puteri nominale
Termen limita: 31.07.2022

STAS 4986-90
Lanterne electrice de uz general. Condiții
tehnice generale de calitate
Termen limita: 31.07.2022

STAS 7624-90
Lămpi electrice cu incandescență pentru
lanterne
Termen limita: 31.07.2022

STAS 9866-74
Corpuri de iluminat industriale. Iluminatul
local al locului de muncă. Prescripții de
proiectare
Termen limita: 31.07.2022

STAS 10270/1-85

Lămpi electrice cu incandescență pentru
vehicule de cale ferată. Condiții tehnice
generale de calitate
Termen limita: 31.07.2022

STAS 10270/2-86
Lămpi electrice cu incandescență pentru
locomotive electrice. Dimensiuni și
caracteristici principale
Termen limita: 31.07.2022

STAS 10270/3-85
Lămpi electrice cu incandescență pentru
locomotive Diesel. Dimensiuni și
caracteristici principale
Termen limita: 31.07.2022

STAS 10270/4-86
Lămpi electrice cu incandescență pentru
vagoane de călători. Dimensiuni și
caracteristici principale
Termen limita: 31.07.2022

STAS 10876/1-88
Lămpi electrice cu incandescență pentru
aeronave. Condiții tehnice generale de
calitate
Termen limita: 31.07.2022

STAS 10876/2-84

Lămpi electrice cu incandescență pentru aeronave. Lămpi subminiatură. Condiții tehnice speciale de calitate
Termen limita: 31.07.2022

STAS 10876/3-84

Lămpi electrice cu incandescență pentru aeronave. Lămpi miniatură. Condiții tehnice speciale de calitate
Termen limita: 31.07.2022

STAS 10876/4-84

Lămpi electrice cu incandescență pentru aeronave. Lămpi miniatură cu puteri peste 5 W. Condiții tehnice speciale de calitate
Termen limita: 31.07.2022

STAS 12014-81

Lămpi electrice cu incandescență pentru semnalizare optică pe calea ferată. Condiții tehnice de calitate
Termen limita: 31.07.2022

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).
- - **372 Produse chimice CT și metode de analiză**
 - Secretar Mihaela MOESCU - Asociația de Standardizare din România
 - Expert ASRO: Mihaela MOESCU

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 **2022.04.01 – 2022.04.29**

01.040 Vocabulare

01.040.23 Sisteme pentru fluide si componente de uz general (Vocabulare)

EN ISO 8330:2022

Rubber and plastics hoses and hose assemblies - Vocabulary (ISO 8330:2022)

doa: 2022-07-31 dop: 2022-10-31

dow: 2022-10-31

01.040.27 Energetica si transmisia caldurii (Vocabulare)

EN ISO 9488:2022

Solar energy - Vocabulary (ISO 9488:2022)

doa: 2022-07-31 dop: 2022-10-31

dow: 2022-10-31

01.080 Simboluri grafice

01.080.10 Simboluri grafice pentru informare publica. Semne. Placi. Etichete

EN ISO 7010:2020/A2:2022

Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 2 (ISO 7010:2019/Amd 2:2020)

doa: 2022-07-31 dop: dow:

2022-10-31

34

EN ISO 7010:2020/A3:2022

Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 3 (ISO 7010:2019/Amd 3:2021)

doa: 2022-07-31 dop: dow:
2022-10-31

01.080.20 Simboluri grafice utilizate pe echipamente specifice

EN ISO 7010:2020/A2:2022

Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 2 (ISO 7010:2019/Amd 2:2020)

doa: 2022-07-31 dop: dow:
2022-10-31

EN ISO 7010:2020/A3:2022

Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 3 (ISO 7010:2019/Amd 3:2021)

doa: 2022-07-31 dop: dow:
2022-10-31

03.100 Organizarea si managementul întreprinderii. Sisteme de management

03.100.30 Managementul resurselor umane

EN 17748-1:2022

Foundational Body of Knowledge for the ICT

Profession (ICT BoK) - Part 1: Body of Knowledge
 doa: 2022-07-31 dop: 2022-10-31
 dow: 2022-10-31

07.060 Geologie. Meteorologie. Hidrologie

CEN/TR 17798:2022

Optimal design of hydrometric networks
 doa: dop: dow:

11.100 Medicina de laborator

11.100.10 Sisteme pentru încercări de diagnostic in vitro

CEN/TS 17747:2022

Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for exosomes and other extracellular vesicles in venous whole blood - DNA, RNA and proteins
 doa: 2022-07-31 dop: dow:

11.180 Ajutoare pentru invalizi sau persoane cu handicap

11.180.01 Mijloace ajutoare pentru invalizi sau persoane cu handicap în general

CEN ISO/TR 20342-7:2022

Assistive products for tissue integrity when lying down - Part 7: Foam properties, characteristics and performance (ISO/TR 20342-7:2021)
 doa: dop: dow:

CEN ISO/TS 20342-10:2022

Assistive products for tissue integrity when lying down - Part 10: Guidance to cleaning, disinfecting and care of polyurethane APTI covers (ISO/TS 20342-10:2022)
 doa: 2022-07-31 dop: dow:

13.040 Calitatea aerului

13.040.40 Emisii de la surse fixe

EN 17628:2022

Fugitive and diffuse emissions of common concern to industry sectors - Standard method to determine diffuse emissions of volatile organic compounds into the atmosphere
 doa: 2022-07-31 dop: 2022-10-31
 dow: 2022-10-31

13.110 Securitatea masinilor si aparatelor

CEN ISO/TR 22100-5:2022

Safety of machinery - Relationship with ISO 12100 - Part 5: Implications of artificial intelligence machine learning (ISO/TR 22100-5:2021)
 doa: dop: dow:

13.180 Ergonomie

CEN ISO/TR 9241-312:2022

Ergonomics of human-system interaction - Part 312: Readability of electrophoretic displays (ISO/TR 9241-312:2020)
 doa: dop: dow:

CEN ISO/TR 9241-810:2022

Ergonomics of human-system interaction - Part 810: Robotic, intelligent and autonomous systems (ISO/TR 9241-810:2020)
 doa: dop: dow:

CEN ISO/TR 11064-10:2022

Ergonomic design of control centres - Part 10: Introduction to the control room design series of standards (ISO/TR 11064-10:2020)
 doa: dop: dow:

13.220 Protectia contra incendiilor

13.220.20 Protectia contra incendiilor

EN 14972-10:2022

Fixed firefighting systems - Water mist systems - Part 10: Test protocol for atrium protection with sidewall nozzles for open nozzle systems
 doa: 2022-07-31 dop: 2022-10-31
 dow: 2022-10-31

13.220.40 Comportamentul la foc si inflamabilitatea materialelor si produselor

EN ISO 12863:2022

Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2022)
 doa: 2022-07-31 dop: 2022-10-31
 dow: 2022-10-31

13.220.99 Alte standarde referitoare la protectia contra incendiilor

EN 12101-13:2022

Smoke and heat control systems - Part 13: Pressure differential systems (PDS) - Design and calculation methods, installation, acceptance testing, routine testing and maintenance
 doa: 2022-07-31 dop: 2022-10-31
 dow: 2022-10-31

EN 12101-6:2022

Smoke and heat control systems - Part 6: Specification for pressure differential systems - Kits
 doa: 2022-07-31 dop: 2022-10-31
 dow: 2024-01-31

13.340 Echipament de protectie individuala

13.340.20 Echipamente de protectie a capului

EN ISO 16321-1:2022

Eye and face protection for occupational use -
Part 1: General requirements (ISO 16321-1:2021)
doa: 2022-07-31 dop: 2022-10-31
dow: 2025-04-30

EN ISO 16321-3:2022

Eye and face protection for occupational use -
Part 3: Additional requirements for mesh
protectors (ISO 16321-3:2021)
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

**17.120 Mijloace de masurare a debitului
fluidelor**

**17.120.20 Masurarea debitului în
conducte deschise**

EN ISO 4373:2022

Hydrometry - Water level measuring devices (ISO
4373:2022)
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

21.060 Elemente de asamblare

**21.060.01 Elemente de asamblare în
general**

EN 14592:2022

Timber structures - Dowel-type fasteners -
Requirements
doa: 2022-07-31 dop: 2022-10-31
dow: 2024-01-31

23.020 Mijloace pentru stocarea fluidelor

23.020.35 Butelii de gaz

EN 14427:2022

LPG equipment and accessories - Transportable
refillable composite cylinders for LPG - Design
and construction
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN ISO 22434:2022

Gas cylinders - Inspection and maintenance of
valves (ISO 22434:2022)
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

23.040 Conducte si accesorii

**23.040.05 Conducte si partile lor pentru
sistemele de colectare a apelor uzate
si a apelor pluviale**

EN 476:2022

General requirements for components used in
drains and sewers
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

23.040.20 Tevi din materiale plastice

CEN/TS 17176-3:2022

Plastics piping systems for water supply and for
buried and above ground drainage, sewerage and
irrigation under pressure - Oriented unplasticized
poly(vinyl chloride) (PVC-O) - Part 3: Fittings
doa: 2022-07-31 dop: dow:

**23.040.45 Racorduri din materiale
plastice**

CEN/TS 17176-3:2022

Plastics piping systems for water supply and for
buried and above ground drainage, sewerage and
irrigation under pressure - Oriented unplasticized
poly(vinyl chloride) (PVC-O) - Part 3: Fittings
doa: 2022-07-31 dop: dow:

23.040.60 Flanse, cuplaje si alte îmbinari

EN ISO 3459:2022

Plastic piping systems - Mechanical joints
between fittings and pressure pipes - Test method
for leaktightness under negative pressure (ISO
3459:2022)
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

23.040.70 Furtunuri flexibile

EN ISO 8330:2022

Rubber and plastics hoses and hose assemblies -
Vocabulary (ISO 8330:2022)
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN ISO 18752:2022

Rubber hoses and hose assemblies - Wire- or
textile-reinforced single-pressure types for
hydraulic applications - Specification (ISO
18752:2022)
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

23.060 Robinetarie

23.060.01 Robinetarie în general

EN ISO 22434:2022

Gas cylinders - Inspection and maintenance of
valves (ISO 22434:2022)
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

25.160 Sudare si lipire

25.160.40 Materiale de adaos

EN ISO 9016:2022

Destructive tests on welds in metallic materials -
Impact tests - Test specimen location, notch
orientation and examination (ISO 9016:2022)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

27.160 Energie solara

EN ISO 9488:2022

Solar energy - Vocabulary (ISO 9488:2022)
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

27.190 Energie biologica si alte surse de energie alternativa

CEN ISO/TS 20048-1:2022

Solid biofuels - Determination of off-gassing and oxygen depletion characteristics - Part 1: Laboratory method for the determination of off-gassing and oxygen depletion using closed containers (ISO/TS 20048-1:2020)
doa: 2022-07-31 dop: dow:

CEN ISO/TS 20049-2:2022

Solid biofuels - Determination of self-heating of pelletized biofuels - Part 2: Basket heating tests (ISO/TS 20049-2:2020)
doa: 2022-07-31 dop: dow:

35.020 Tehnologia informatiei (IT) în general

EN 17748-1:2022

Foundational Body of Knowledge for the ICT Profession (ICT BoK) - Part 1: Body of Knowledge
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

CEN/TR 17802:2022

e-Competence performance indicators and common metrics
doa: dop: dow:

35.030 Securitatea IT

EN ISO/IEC 29151:2022

Information technology - Security techniques - Code of practice for personally identifiable information protection (ISO/IEC 29151:2017)
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

35.180 Terminale si alte echipamente periferice în tehnologia informatiei

CEN ISO/TR 9241-312:2022

Ergonomics of human-system interaction - Part 312: Readability of electrophoretic displays (ISO/TR 9241-312:2020)
doa: dop: dow:

35.240 Aplicatii privind tehnologia informatiei

35.240.67 Aplicatii IT în cladiri si industria de constructii

EN ISO 22057:2022

Sustainability in buildings and civil engineering works - Data templates for the use of environmental product declarations (EPDs) for construction products in building information modelling (BIM) (ISO 22057:2022)
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

45.060 Material rulant pentru cai ferate

45.060.10 Material rulant de tractiune

EN 16186-8:2022

Railway applications - Driver's cab - Part 8: Tram vehicle layout and access
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

45.140 Echipamente pentru metrou, tramvai si metrou usor

EN 16186-8:2022

Railway applications - Driver's cab - Part 8: Tram vehicle layout and access
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

49.025 Materiale pentru aeronautica

49.025.05 Feroaliaje în general

EN 4260:2022

Aerospace series - Metallic materials - Rules for drafting and presentation of technical specifications
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN 4261:2022

Aerospace series - Metallic materials - Rules for drafting and presentation of test method standards
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

49.025.15 Aliaje neferoase în general

EN 4260:2022

Aerospace series - Metallic materials - Rules for drafting and presentation of technical specifications
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN 4261:2022

Aerospace series - Metallic materials - Rules for drafting and presentation of test method standards
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

49.025.99 Alte materiale

EN 4387:2022

Aerospace series - Non-metallic materials - Rules for drafting and presentation of technical specifications

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

49.040 Acoperiri si procedee utilizate în industria aerospaciala

EN 2535:2022

Aerospace series - Vacuum deposition of cadmium

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

59.140 Industria pielariei

59.140.30 Piei si blanuri

EN ISO 5402-1:2022

Leather - Determination of flex resistance - Part 1: Flexometer method (ISO 5402-1:2022)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

65.060 Masini si echipamente agricole

65.060.50 Masini de recoltat

EN ISO 4254-17:2022

Agricultural machinery - Safety - Part 17: Root crop harvesters (ISO 4254-17:2022)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

65.080 Îngrasaminte

CEN/TS 17751:2022

Inorganic fertilizers - Determination of specific parameters in ammonium nitrate fertilizers of high nitrogen content

doa: 2022-07-31 dop: dow:

CEN/TS 17752:2022

Inorganic fertilizers - Determination of specific inhibitors

doa: 2022-07-31 dop: dow:

CEN/TS 17753:2022

Inorganic fertilizers - Determination of specific contaminants

doa: 2022-07-31 dop: dow:

CEN/TS 17754:2022

Inorganic fertilizers - Determination of specific micronutrients

doa: 2022-07-31 dop: dow:

CEN/TS 17755:2022

Inorganic fertilizers - Determination of specific parameters

doa: 2022-07-31 dop: dow:

CEN/TS 17756:2022

Organic fertilizers, organo-mineral fertilizers, inorganic fertilizers and liming materials - Determination of the chloride content

doa: 2022-07-31 dop: dow:

CEN/TS 17757:2022

Inorganic fertilizers - Determination of specific nutrients

doa: 2022-07-31 dop: dow:

CEN/TS 17758:2022

Fertilizers and liming materials - Determination of the chloride content by potentiometric titration

doa: 2022-07-31 dop: dow:

CEN/TS 17759:2022

Inorganic fertilizers - Determination of pH of a solution of ammonium nitrate fertilizers of high nitrogen content

doa: 2022-07-31 dop: dow:

CEN/TS 17760:2022

Inorganic fertilizers - Determination of particle size of ammonium nitrate fertilizers of high nitrogen content

doa: 2022-07-31 dop: dow:

CEN/TS 17761:2022

Inorganic fertilizers - Determination of the chloride content in ammonium nitrate fertilizers of high nitrogen content

doa: 2022-07-31 dop: dow:

CEN/TS 17762:2022

Inorganic fertilizers - Determination of the copper content in ammonium nitrate fertilizers of high nitrogen content

doa: 2022-07-31 dop: dow:

CEN/TS 17764:2022

Inorganic micronutrient fertilizers - Determination of the concentration of free, chelated or complexed micronutrients and the chelating and/or complexing agents present in compound inorganic micronutrient fertilizers

doa: 2022-07-31 dop: dow:

CEN/TS 17765:2022

Organic and organo-mineral fertilizers - Determination of the biuret content by high-performance liquid chromatography (HPLC)

doa: 2022-07-31 dop: dow:

CEN/TS 17766:2022

Organic and organo-mineral fertilizers - Extraction by water for subsequent determination of elements

doa: 2022-07-31 dop: dow:

CEN/TS 17767:2022

Organic and organo-mineral fertilizers - Extraction of phosphorus by formic acid

doa: 2022-07-31 dop: dow:

CEN/TS 17768:2022

Organic and organo-mineral fertilizers - Digestion by aqua regia for subsequent determination of elements

doa: 2022-07-31 dop: dow:

CEN/TS 17769:2022

Organic and organo-mineral fertilizers - Determination of the mercury content

doa: 2022-07-31 dop: dow:

CEN/TS 17770:2022

Organic and organo-mineral fertilizers - Determination of the total content of specific elements by ICP-AES after digestion by aqua regia

doa: 2022-07-31 dop: dow:

CEN/TS 17771:2022

Organic and organo-mineral fertilizers - Determination of the nitrogen content

doa: 2022-07-31 dop: dow:

CEN/TS 17772:2022

Organic and organo-mineral fertilizers - Determination of specific parameters

doa: 2022-07-31 dop: dow:

CEN/TS 17773:2022

Organic and organo-mineral fertilizers - Determination of the dry matter content

doa: 2022-07-31 dop: dow:

CEN/TS 17774:2022

Organic and organo-mineral fertilizers - Determination of the content of specific elements by ICP-AES after extraction by water

doa: 2022-07-31 dop: dow:

CEN/TS 17775:2022

Organic and organo-mineral fertilizers - Determination of the inorganic arsenic content

doa: 2022-07-31 dop: dow:

CEN/TS 17776:2022

Organic and organo-mineral fertilizers - Determination of the total organic carbon (TOC) content by dry combustion

doa: 2022-07-31 dop: dow:

CEN/TS 17777:2022

Organic and organo-mineral fertilizers - Determination of specific elements

doa: 2022-07-31 dop: dow:

CEN/TS 17778:2022

Organic and organo-mineral fertilizers - Determination of the chromium (VI) content by chromatography

doa: 2022-07-31 dop: dow:

CEN/TS 17779:2022

Organic and organo-mineral fertilizers - Extraction of

phosphorus, which is soluble in neutral ammonium citrate

doa: 2022-07-31 dop: dow:

CEN/TS 17780:2022

Organic, organo-mineral and inorganic fertilizers - Detection of Salmonella spp.

doa: 2022-07-31 dop: dow:

CEN/TS 17781:2022

Organic, organo-mineral and inorganic fertilizers - Detection of Escherichia coli

doa: 2022-07-31 dop: dow:

CEN/TS 17782:2022

Fertilizing products - Determination of the stability of fertilizing products containing micronutrient chelates at different pHs

doa: 2022-07-31 dop: dow:

CEN/TS 17783:2022

Fertilizing products - Determination of the stability of fertilizing products containing micronutrient complexes

doa: 2022-07-31 dop: dow:

CEN/TS 17784-1:2022

Organo-mineral fertilizers - Identification of complexing agents - Part 1: Method using UV-Vis spectrophotometry and gravimetry

doa: 2022-07-31 dop: dow:

CEN/TS 17784-2:2022

Organo-mineral fertilizers - Identification of complexing agents - Part 2: Method using high-performance liquid chromatography (HPLC)

doa: 2022-07-31 dop: dow:

CEN/TS 17785:2022

Organo-mineral fertilizers - Determination of chelating and complexing agents

doa: 2022-07-31 dop: dow:

CEN/TS 17786-1:2022

Inorganic micronutrient fertilizers - Determination of the chelated micronutrient content and the chelated fraction of micronutrients - Part 1: Treatment with a cation exchange resin

doa: 2022-07-31 dop: dow:

CEN/TS 17786-2:2022

Inorganic micronutrient fertilizers - Determination of the chelated micronutrient content and the chelated fraction of micronutrients - Part 2: Determination of EDTA, DTPA, HEEDTA, IDHA or EDDS

doa: 2022-07-31 dop: dow:

CEN/TS 17787:2022

Fertilizing products - Stability of chelating and complexing agents

doa: 2022-07-31 dop: dow:

CEN/TS 17788:2022

Organo-mineral fertilizers - Determination of the fraction of complexed micronutrients

doa: 2022-07-31 dop: dow:

CEN/TS 17789-1:2022

Organo-mineral fertilizers - Identification of chelating agents - Part 1: Determination of EDTA, HEEDTA and DTPA by ion chromatography

doa: 2022-07-31 dop: dow:

CEN/TS 17789-2:2022

Organo-mineral fertilizers - Identification of chelating agents - Part 2: Determination of Fe chelated by [o,o] EDDHA, [o,o] EDDHMA and HBED, or the amount of chelating agents by ion pair chromatography

doa: 2022-07-31 dop: dow:

CEN/TS 17790:2022

Organo-mineral fertilizers - Determination of the chelated micronutrient content and the chelated fraction of micronutrients by treatment with a cation exchange resin

doa: 2022-07-31 dop: dow:

CEN/TS 17791:2022

Inorganic fertilizers - Determination of chelating and complexing agents

doa: 2022-07-31 dop: dow:

65.160 Tutun, produse din tutun si echipamente pentru industria tutunului

EN ISO 12863:2022

Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2022)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

67.050 Metode generale de analiza pentru produse alimentare

EN 1787:2022

Foodstuff - Detection of irradiated foodstuff containing cellulose by ESR spectroscopy

doa: 2022-07-06 dop: 2022-10-06
dow: 2022-10-06

67.100 Lapte si produse lactate

67.100.30 Brânza

EN ISO 23319:2022

Cheese and processed cheese products, caseins and caseinates - Determination of fat content - Gravimetric method (ISO 23319:2022)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

71.100 Produse din industria chimica

71.100.45 Agenti frigorifici si antigeluri

CEN/TR 17608:2022

State of the art on the use of flammable refrigerant alternatives, in particular from class A3, in refrigeration, air conditioning and heat pump equipment

doa: dop: dow:

71.100.80 Produse chimice pentru purificarea apei

EN 1421:2022

Chemicals used for treatment of water intended for human consumption - Ammonium chloride

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN 12120:2022

Chemicals used for treatment of water intended for human consumption - Sodium hydrogen sulfite

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN 12121:2022

Chemicals used for treatment of water intended for human consumption - Sodium disulfite

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN 12123:2022

Chemicals used for treatment of water intended for human consumption - Ammonium sulfate

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN 12124:2022

Chemicals used for treatment of water intended for human consumption - Sodium sulfite

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN 12126:2022

Chemicals used for treatment of water intended for human consumption - Liquefied ammonia

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN 12175:2022

Chemicals used for treatment of water intended for human consumption - Hexafluorosilicic acid

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN 14805:2022

Chemicals used for treatment of water intended for human consumption - Sodium chloride for on site electrochlorination using non-membrane technology

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN 16370:2022

Chemicals used for treatment of water intended for human consumption - Sodium chloride for on site electrochlorination using membrane cells

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

75.160 Combustibili

75.160.40 Biocombustibili

CEN ISO/TS 20048-1:2022

Solid biofuels - Determination of off-gassing and oxygen depletion characteristics - Part 1: Laboratory method for the determination of off-gassing and oxygen depletion using closed containers (ISO/TS 20048-1:2020)

doa: 2022-07-31 dop: dow:

CEN ISO/TS 20049-2:2022

Solid biofuels - Determination of self-heating of pelletized biofuels - Part 2: Basket heating tests (ISO/TS 20049-2:2020)

doa: 2022-07-31 dop: dow:

79.040 Lemn, gatere si lemn rotund

EN 14081-3:2022

Timber structures - Strength graded structural timber with rectangular cross section - Part 3: Machine grading; additional requirements for factory production control

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

79.060 Placi din lemn

79.060.01 Placi din lemn în general

CEN/TR 17810:2022

Durability of wood and wood-based products - Interpretation document for standards related to efficacy requirements and specifications of wood preservatives

doa: dop: dow:

79.080 Semifabricate din lemn

CEN/TR 17810:2022

Durability of wood and wood-based products - Interpretation document for standards related to efficacy requirements and specifications of wood preservatives

doa: dop: dow:

81.060 Ceramica

81.060.30 Ceramica de tehnica avansata

EN ISO 17138:2022

Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at room temperature - Determination of flexural strength (ISO 17138:2014)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN ISO 17139:2022

Fine ceramics (advanced ceramics, advanced technical ceramics) - Thermophysical properties of ceramic composites - Determination of thermal expansion (ISO 17139:2014)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN ISO 18608:2022

Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure - Determination of the resistance to crack propagation by notch sensitivity testing (ISO 18608:2017)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN ISO 18754:2022

Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of density and apparent porosity (ISO 18754:2020)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN ISO 19629:2022

Fine ceramics (advanced ceramics, advanced technical ceramics) - Thermophysical properties of ceramic composites - Determination of unidimensional thermal diffusivity by flash method (ISO 19629:2018)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN ISO 22459:2022

Fine ceramics (advanced ceramics, advanced technical ceramics) - Reinforcement of ceramic composites - Determination of distribution of tensile strength and tensile strain to failure of filaments within a multifilament tow at ambient temperature (ISO 22459:2020)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

83.080 Materiale plastice

83.080.01 Materiale plastice, în general

EN ISO 11358-1:2022

Plastics - Thermogravimetry (TG) of polymers - Part 1: General principles (ISO 11358-1:2022)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

83.140 Produse din cauciuc si materiale plastice

83.140.20 Stratificate

EN ISO 19712-3:2022

Plastics - Decorative solid surfacing materials - Part 3: Determination of properties - Solid surface shapes (ISO 19712-3:2022)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

85.040 Celuloze

EN ISO 638-1:2022

Paper, board, pulps and cellulosic nanomaterials - Determination of dry matter content by oven-drying method - Part 1: Materials in solid form (ISO 638-1:2022)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

85.060 Hârtie si carton

EN ISO 638-1:2022

Paper, board, pulps and cellulosic nanomaterials - Determination of dry matter content by oven-drying method - Part 1: Materials in solid form (ISO 638-1:2022)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

91.010 Constructii civile în general

91.010.30 Aspecte tehnice referitoare la constructii

EN 1996-1-1:2022

Eurocode 6 - Design of masonry structures - Part 1-1: General rules for reinforced and unreinforced masonry structures

doa: 2022-07-31 dop: 2027-09-30
dow: 2028-03-30

91.040 Cladiri

91.040.01 Cladiri, în general

EN ISO 22057:2022

Sustainability in buildings and civil engineering works - Data templates for the use of environmental product declarations (EPDs) for construction products in building information modelling (BIM) (ISO 22057:2022)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

91.080 Structuri de constructii

91.080.20 Structuri de lemn

EN 14592:2022

Timber structures - Dowel-type fasteners - Requirements

doa: 2022-07-31 dop: 2022-10-31
dow: 2024-01-31

91.080.30 Structuri de zidarie

EN 1996-1-1:2022

Eurocode 6 - Design of masonry structures - Part 1-1: General rules for reinforced and unreinforced masonry structures

doa: 2022-07-31 dop: 2027-09-30
dow: 2028-03-30

91.100 Materiale de constructii

91.100.23 Placi si dale ceramice

EN ISO 10545-18:2022

Ceramic tiles - Part 18: Determination of Light Reflectance Value (LRV) (ISO 10545-18:2022)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

91.100.40 Produse de ciment armate cu fibre

EN 17468-1:2022

Fibre cement products - Determination of pull through and shear resistance and bending strength calculations - Part 1: Flat sheets

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

91.140 Instalatii în cladiri

91.140.30 Ventilatie si climatizare

EN ISO 29463-5:2022

High-efficiency filters and filter media for removing particles in air - Part 5: Test method for filter elements (ISO 29463-5:2022)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

93.030 Sisteme de canalizare externe

EN 476:2022

General requirements for components used in drains and sewers

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

93.080 Ingineria drumurilor

93.080.20 Materiale de constructii pentru drumuri

EN 12697-36:2022

Bituminous mixtures - Test methods - Part 36: Determination of the thickness of bituminous pavement

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

EN 12697-37:2022

Bituminous mixtures - Test methods - Part 37: Hot sand test for the adhesivity of binder on pre-coated chippings for Hot-Rolled-Asphalt (HRA)

doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

97.190 Echipamente pentru copii

EN 1888-1:2018+A1:2022

Child care articles - Wheeled child conveyances -
Part 1: Pushchairs and prams
doa: 2022-07-31 dop: 2022-10-31
dow: 2022-10-31

CEN/TR 16411:2022

Child care articles - Compiled interpretations of
CEN/TC 252 standards
doa: dop: dow:



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În perioada **2022.04.01 – 2022.04.29**

**03.100 Organizarea si managementul
întreprinderii. Sisteme de management**

03.100.40 Cercetare si dezvoltare

EN IEC 60300-3-4:2022

Dependability management - Part 3-4: Application
guide - Specification of dependability
requirements
doa: 2022-07-15 dop: 2023-01-15
dow: 2025-04-15

03.120 Calitate**03.120.01 Calitate în general****EN IEC 60300-3-4:2022**

Dependability management - Part 3-4: Application
guide - Specification of dependability
requirements
doa: 2022-07-15 dop: 2023-01-15
dow: 2025-04-15

11.040 Echipament medical**11.040.50 Echipament radiologic****EN IEC 61675-1:2022**

Radionuclide imaging devices - Characteristics
and test conditions - Part 1: Positron emission
tomographs
doa: 2022-07-22 dop: 2023-01-22
dow: 2025-04-22

11.040.60 Echipament pentru terapie**EN IEC 61689:2022**

Ultrasonics - Physiotherapy systems - Field
specifications and methods of measurement in the
frequency range 0,5 MHz to 5 MHz
doa: 2022-07-12 dop: 2023-01-12
dow: 2025-04-12

13.020 Protectia mediului**13.020.20 Economia mediului.
Durabilitate****CLC/TR 50727:2022**

Material efficiency - Household and similar
electrical appliances - Assessment of applicability
of EN 4555X
doa: dop: dow:

13.320 Sisteme de alarma si de alertare**CLC/TS 50136-10:2022**

Alarm systems - Alarm transmission systems and
equipment - Part 10: Requirements for remote
access
doa: 2022-08-04 dop: dow:

17.140 Acustica si masurari acustice**17.140.50 Electroacustica****EN IEC 60118-16:2022**

Electroacoustics - Hearing aids - Part 16:
Definition and verification of hearing aid features
doa: 2022-07-20 dop: 2023-01-20
dow: 2025-04-20

EN IEC 60645-6:2022

Electroacoustics - Audiometric equipment - Part 6:
Instruments for the measurement of otoacoustic
emissions
doa: 2022-07-14 dop: 2023-01-14
dow: 2025-04-14

19.080 Încercari electrice si electronice**EN IEC 61010-2-012:2022**

Safety requirements for electrical equipment for
measurement, control and laboratory use - Part 2-
012: Particular requirements for climatic and
environmental testing and other temperature
conditioning equipment
doa: 2022-07-29 dop: 2022-10-29
dow: 2025-04-29

EN IEC 61010-2-012:2022/A11:2022

Safety requirements for electrical equipment for
measurement, control and laboratory use - Part 2-
012: Particular requirements for climatic and
environmental testing and other temperature
conditioning equipment

doa: 2022-09-28 dop: 2023-03-28
dow: 2025-03-28

25.040 Sisteme de automatizare industrială

EN IEC 62714-5:2022

Engineering data exchange format for use in industrial automation systems engineering - Automation markup language - Part 5: Communication

doa: 2022-07-15 dop: 2023-01-15
dow: 2025-04-15

25.040.01 Sisteme de automatizare industrială în general

EN IEC 62714-5:2022

Engineering data exchange format for use in industrial automation systems engineering - Automation markup language - Part 5: Communication

doa: 2022-07-15 dop: 2023-01-15
dow: 2025-04-15

25.040.40 Masurarea și controlul proceselor industriale

EN IEC 61918:2018/A1:2022

Industrial communication networks - Installation of communication networks in industrial premises

doa: 2022-07-13 dop: 2023-01-13
dow: 2025-04-13

25.140 Unelte de mână

25.140.20 Unelte electrice

EN 62841-1:2015/A11:2022

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 1: general requirements

doa: 2022-09-14 dop: 2023-03-14
dow: 2025-03-14

29.120 Accesorii electrice

29.120.40 Întreruptoare

EN IEC 60947-5-2:2020/A11:2022

Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches

doa: 2022-08-28 dop: 2023-02-28
dow: 2025-02-28

29.130 Aparate de conectare și comandă

29.130.20 Aparate de conectare și comandă de joasă tensiune

EN IEC 60947-5-2:2020/A11:2022

Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches

doa: 2022-08-28 dop: 2023-02-28
dow: 2025-02-28

29.140 Lămpi și accesorii

29.140.10 Dulii și socluri pentru lămpi

EN 60061-1:1993/A11:2022

Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps

doa: 2022-07-15 dop: 2022-10-15
dow: 2025-04-15

EN 60061-1:1993/A59:2022

Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp Caps

doa: 2022-07-15 dop: 2022-10-15
dow: 2025-04-15

29.140.40 Corpuri de iluminat

EN IEC 60598-1:2021/A11:2022

Luminaires - Part 1: General requirements and tests

doa: 2022-08-16 dop: 2023-02-16
dow: 2025-02-16

29.200 Redresoare, Convertizoare, Surse stabilizate

EN 62751-1:2014/A2:2022

Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems - Part 1: General requirements

doa: 2022-07-20 dop: 2023-01-20
dow: 2025-04-20

29.220 Acumulatoare și elemente galvanice

29.220.20 Acumulatoare și baterii acide

EN IEC 62660-3:2022

Secondary lithium-ion cells for the propulsion of electric road vehicles - Part 3: Safety requirements

doa: 2022-07-05 dop: 2023-01-05
dow: 2025-04-05

29.240 Rețele de transport și distribuție a energiei electrice

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

EN 62751-1:2014/A2:2022

Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems - Part 1: General requirements

doa: 2022-07-20 dop: 2023-01-20
dow: 2025-04-20

31.080 Dispozitive cu semiconductoare**31.080.01 Dispozitive cu semiconductoare în general****EN IEC 60749-28:2022**

Semiconductor devices - Mechanical and climatic test methods - Part 28: Electrostatic discharge (ESD) sensitivity testing - Charged device model (CDM) - device level

doa: 2022-07-05 dop: 2023-01-05
dow: 2025-04-05

31.200 Circuite integrate. Microelectronica**EN IEC 62228-7:2022**

Integrated circuits - EMC evaluation of transceivers - Part 7: CXPI transceivers

doa: 2022-06-29 dop: 2022-12-29
dow: 2025-03-29

33.020 Telecomunicatii în general**EN IEC 61918:2018/A1:2022**

Industrial communication networks - Installation of communication networks in industrial premises

doa: 2022-07-13 dop: 2023-01-13
dow: 2025-04-13

33.100 Compatibilitate electromagnetica (EMC)**33.100.10 Emisie****EN 55016-1-6:2015/A2:2022**

Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-6: Radio disturbance and immunity measuring apparatus - EMC antenna calibration

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

EN IEC 61000-4-20:2022

Electromagnetic compatibility (EMC) - Part 4-20: Testing and measurement techniques - Emission and immunity testing in transverse electromagnetic (TEM) waveguides

doa: 2022-06-25 dop: 2022-12-25
dow: 2025-03-25

33.100.20 Imunitate**EN 55016-1-6:2015/A2:2022**

Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-6: Radio disturbance and immunity measuring apparatus - EMC antenna calibration

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

EN IEC 61000-4-20:2022

Electromagnetic compatibility (EMC) - Part 4-20: Testing and measurement techniques - Emission

and immunity testing in transverse electromagnetic (TEM) waveguides

doa: 2022-06-25 dop: 2022-12-25
dow: 2025-03-25

33.120 Componente si accesorii pentru echipament de telecomunicatii**33.120.30 Conectoare pentru frecvente radio****EN IEC 61169-1-6:2022**

Radio-frequency connectors - Part 1-6: Electrical test methods - RF power

doa: 2022-06-25 dop: 2022-12-25
dow: 2025-03-25

EN IEC 61169-17:2022

Radio-frequency connectors - Part 17: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with screw coupling - Characteristic impedance 50 ohms (Type TNC)

doa: 2022-07-08 dop: 2023-01-08
dow: 2025-04-08

EN IEC 61169-21:2022

Radio-frequency connectors - Part 21: Sectional specification for RF connectors with inner diameter of outer conductor 9,5 mm (0,374 in) with screw coupling - Characteristic impedance 50 ohms (Type SC)

doa: 2022-06-25 dop: 2022-12-25
dow: 2025-03-25

EN IEC 61169-67:2022

Radio frequency connectors - Part 67: Sectional specification for series TRL threaded triaxial connectors

doa: 2022-06-25 dop: 2022-12-25
dow: 2025-03-25

EN IEC 61169-68:2022

Radio-frequency connectors - Part 68: Sectional specification for series TRK bayonet coupling triaxial connectors

doa: 2022-06-25 dop: 2022-12-25
dow: 2025-03-25

EN IEC 63138-3:2022

Multi-channel radio frequency connectors - Part 3: Sectional specification for MQ5 series circular connectors

doa: 2022-07-13 dop: 2023-01-13
dow: 2025-04-13

EN IEC 63295:2022

Specification for WB series glass beads with 50 Ohm impedance for RF connectors

doa: 2022-07-01 dop: 2022-12-31
dow: 2025-03-31

33.180 Comunicatii prin fibra optica

33.180.10 Fibre optice si cabluri

EN IEC 60794-1-220:2022

Optical fibre cables - Part 1-220: Generic specification - Basic optical cable test procedures - Environmental test methods - Salt spray corrosion test, method F20
doa: 2022-07-08 dop: 2023-01-08
dow: 2025-04-08

EN IEC 60794-3:2022

Optical fibre cables - Part 3: Outdoor cables - Sectional specification
doa: 2022-06-24 dop: 2022-12-24
dow: 2025-03-24

33.180.20 Dispozitive de interconectare prin fibre optice

EN 50411-3-6:2022

Fibre management systems and protective housings to be used in optical fibre communication systems - Product specifications - Part 3-6: Multi- mode mechanical fibre splice
doa: 2022-09-14 dop: 2023-03-14
dow: 2023-03-14

EN 50411-6-1:2022

Fibre management systems and protective housings to be used in optical fibre communication systems - Product specifications - Part 6-1: Unprotected microduct for category S and A
doa: 2022-09-14 dop: 2023-03-14
dow: 2023-03-14

EN IEC 61753-091-02:2022

Fibre optic interconnecting devices and passive components - Performance standard - Part 091-02: Non-connectorized 3-port incompletely circulated single-mode fibre optic circulators for category C - Controlled environments
doa: 2022-06-23 dop: 2022-12-23
dow: 2023-03-23

EN IEC 61754-4:2022

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4: Type SC connector family
doa: 2022-07-04 dop: 2023-01-04
dow: 2023-04-04

EN IEC 61754-6:2022

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 6: Type MU connector family
doa: 2022-07-04 dop: 2023-01-04
dow: 2023-04-04

33.200 Telecomanda. Teleconducere

EN IEC 61968-100:2022

Application integration at electric utilities - System interfaces for distribution management - Part 100:

IEC Implementation profiles for application integration

doa: 2022-06-23 dop: 2022-12-23
dow: 2025-03-23

EN IEC 61970-301:2020/A1:2022

Energy management system application program interface (EMS-API) - Part 301: Common information model (CIM) base
doa: 2022-06-29 dop: 2022-12-29
dow: 2025-03-29

35.240 Aplicatii privind tehnologia informatiei

35.240.50 Aplicatii IT în industrie

EN IEC 61918:2018/A1:2022

Industrial communication networks - Installation of communication networks in industrial premises
doa: 2022-07-13 dop: 2023-01-13
dow: 2025-04-13

43.120 Vehicule rutiere electrice

EN IEC 62660-3:2022

Secondary lithium-ion cells for the propulsion of electric road vehicles - Part 3: Safety requirements
doa: 2022-07-05 dop: 2023-01-05
dow: 2025-04-05

91.140 Instalatii în cladiri

91.140.50 Sisteme de alimentare cu energie electrica

EN 50491-12-2:2022

General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 12-2: Smart grid - Application specification - Interface and framework for customer - Interface between the Home / Building CEM and Resource manager(s) - Data model and messaging
doa: 2022-10-17 dop: 2023-02-17
dow: 2025-02-17

97.030 Aparate electrocasnice în general

CLC/TR 50727:2022

Material efficiency - Household and similar electrical appliances - Assessment of applicability of EN 4555X
doa: dop: dow:

97.120 Comenzi automate de uz casnic

EN 50491-12-2:2022

General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 12-2: Smart grid - Application specification - Interface and framework for customer - Interface between the Home / Building CEM and Resource

manager(s) - Data model and messaging
 doa: 2022-10-17 dop: 2023-02-17
 dow: 2025-02-17



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GR IPE 002 V1.1.1:2022

Comitet Tehnic ETSI: IPE
 IPv6 Enhanced Innovation (IPE); IPv6 based Data
 Centers, Network and Cloud Integration

GR F5G 010 V1.1.1:2022

Comitet Tehnic ETSI: F5G
 Fifth Generation Fixed Network (F5G); Security;
 Threat Vulnerability Risk Analysis and
 countermeasure recommendations for F5G

GS QKD 015 V2.1.1:2022

Comitet Tehnic ETSI: QKD
 Quantum Key Distribution (QKD); Control
 Interface for Software Defined Networks

GS QKD 018 V1.1.1:2022

Comitet Tehnic ETSI: QKD
 Quantum Key Distribution (QKD); Orchestration
 Interface for Software Defined Networks

GS MEC-DEC 032-1 V3.1.1:2022

Comitet Tehnic ETSI: MEC DECODE
 Multi-access Edge Computing (MEC); API
 Conformance Test Specification; Part 1: Test
 Requirements and Implementation Conformance
 Statement (ICS)

GS MEC-DEC 032-2 V3.1.1:2022

Comitet Tehnic ETSI: MEC DECODE
 Multi-access Edge Computing (MEC); API
 Conformance Test Specification; Part 2: Test
 Purposes (TP)

GS MEC-DEC 032-3 V3.1.1:2022

Comitet Tehnic ETSI: MEC DECODE
 Multi-access Edge Computing (MEC); API
 Conformance Test Specification; Part 3: Abstract
 Test Suite (ATS)

TS 100 488 V1.2.1:2022

Comitet Tehnic ETSI: STQ
 Speech and multimedia Transmission Quality
 (STQ); Telephony for hearing impaired people;
 Characteristics of telephone sets that provide
 additional receiving amplification for the benefit of
 the hearing impaired

TS 101 573 V1.2.1:2022

Comitet Tehnic ETSI: ATTM AT2
 Access, Terminals, Transmission and Multiplexing
 (ATTM); General engineering of optical fibre

cabling in buildings

TS 102 232-2 V3.14.1:2022

Comitet Tehnic ETSI: LI
 Lawful Interception (LI); Handover Interface and
 Service-Specific Details (SSD) for IP delivery; Part
 2: Service-specific details for messaging services

TS 102 232-5 V3.15.1:2022

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

TS 102 636-7-1 V1.1.2:2022

Comitet Tehnic ETSI: ITS WG3
 Intelligent Transport Systems (ITS); Vehicular
 Communications; GeoNetworking; Part 7:
 Amendments for LTE-V2X; Sub-part 1:
 Amendments to ETSI EN 302 636-4-1 (Media-
 Independent Functionality)

TS 102 636-7-2 V1.1.2:2022

Comitet Tehnic ETSI: ITS WG3
 Intelligent Transport Systems (ITS); Vehicular
 Communications; GeoNetworking; Part 7:
 Amendments for LTE-V2X; Sub-part 2:
 Amendments to ETSI EN 302 636-5-1 (Basic
 Transport Protocol)

TS 102 873 V1.2.1:2022

Comitet Tehnic ETSI: ATTM AT2
 Access, Terminals, Transmission and Multiplexing
 (ATTM); Optical External Network Test Interface

TS 103 280 V2.8.1:2022

Comitet Tehnic ETSI: LI
 Lawful Interception (LI); Dictionary for common
 parameters

TR 103 305-1 V4.1.2:2022

Comitet Tehnic ETSI: CYBER
 Cyber Security (CYBER); Critical Security
 Controls for Effective Cyber Defence; Part 1: The
 Critical Security Controls

TS 103 625 V1.2.1:2022

Comitet Tehnic ETSI: EMTEL
 Emergency Communications (EMTEL);
 Transporting Handset Location to PSAPs for
 Emergency Communications - Advanced Mobile

Location

TS 103 666-4 V17.0.0:2022

Comitet Tehnic ETSI: SET TEC

Smart Secure Platform (SSP); Part 4: Embedded SSP (eSSP) Type 2 characteristics (Release 17)

TS 103 818 V17.0.0:2022

Comitet Tehnic ETSI: SET TEC

Smart Secure Platform (SSP); I3CÂ® interface (Release 17)

TR 103 824 V1.1.1:2022

Comitet Tehnic ETSI: BROADCASTAS

Unit Test Descriptions for Hybrid Broadcast Broadband TV

TR 118 546 V4.0.0:2022

Comitet Tehnic ETSI: oneM2M

oneM2M: Study on Public Warning Service Enabler (oneM2M TR-0046 v4.0.0 Release 4)

TS 121 101 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 17.0.0 Release 17)

TS 121 201 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

LTE; Technical Specifications and Technical Reports for an Evolved Packet System (EPS) based 3GPP system (3GPP TS 21.201 version 17.0.0 Release 17)

TS 121 202 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Technical Specifications and Technical Reports relating to the Common IP Multimedia Subsystem (IMS) (3GPP TS 21.202 version 17.0.0 Release 17)

TS 121 205 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

5G; Technical Specifications and Technical Reports for a 5G based 3GPP system (3GPP TS 21.205 version 17.0.0 Release 17)

TS 122 001 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.001 version 17.0.0 Release 17)

TS 122 002 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Circuit Bearer Services (BS)

supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.002 version 17.0.0 Release 17)

TS 122 003 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Circuit Teleservices supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.003 version 17.0.0 Release 17)

TS 122 004 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; General on supplementary services (3GPP TS 22.004 version 17.0.0 Release 17)

TS 122 022 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Personalisation of Mobile Equipment (ME); Mobile functionality specification (3GPP TS 22.022 version 17.0.0 Release 17)

TS 122 024 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Description of Charge Advice Information (CAI) (3GPP TS 22.024 version 17.0.0 Release 17)

TS 122 030 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Man-Machine Interface (MMI) of the User Equipment (UE) (3GPP TS 22.030 version 17.0.0 Release 17)

TS 122 031 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Fraud Information Gathering System (FIGS); Service description; Stage 1 (3GPP TS 22.031 version 17.0.0 Release 17)

TS 122 032 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Immediate Service Termination (IST); Service description; Stage 1 (3GPP TS 22.032 version 17.0.0 Release 17)

TS 122 034 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); High Speed Circuit Switched Data (HSCSD); Stage 1 (3GPP TS 22.034 version 17.0.0 Release 17)

TS 122 038 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; (U)SIM Application Toolkit (USAT); Service description; Stage 1 (3GPP TS 22.038 version 17.0.0 Release 17)

TS 122 041 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Operator Determined Barring (ODB) (3GPP TS 22.041 version 17.0.0 Release 17)

TS 122 042 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Network Identity and TimeZone (NITZ); Service description; Stage 1 (3GPP TS 22.042 version 17.0.0 Release 17)

TS 122 057 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mobile Execution Environment (MExE); Service description; Stage 1 (3GPP TS 22.057 version 17.0.0 Release 17)

TS 122 060 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Service description; Stage 1 (3GPP TS 22.060 version 17.0.0 Release 17)

TS 122 066 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Support of Mobile Number Portability (MNP); Service description; Stage 1 (3GPP TS 22.066 version 17.0.0 Release 17)

TS 122 067 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); enhanced Multi Level Precedence and Pre-emption service (eMLPP); Stage 1 (3GPP TS 22.067 version 17.0.0 Release 17)

TS 122 071 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Location Services (LCS); Service description; Stage 1 (3GPP TS 22.071 version 17.0.0 Release 17)

TS 122 072 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Deflection (CD) service description; Stage 1 (3GPP TS 22.072 version 17.0.0 Release 17)

TS 122 078 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customised Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1 (3GPP TS 22.078 version 17.0.0 Release 17)

TS 122 079 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Support of Optimal Routing (SOR); Service definition; Stage 1 (3GPP TS 22.079 version 17.0.0 Release 17)

TS 122 081 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Line Identification supplementary services; Stage 1 (3GPP TS 22.081 version 17.0.0 Release 17)

TS 122 082 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) Supplementary Services; Stage 1 (3GPP TS 22.082 version 17.0.0 Release 17)

TS 122 083 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Holding (HOLD); Supplementary Services; Stage 1 (3GPP TS 22.083 version 17.0.0 Release 17)

TS 122 084 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); MultiParty (MPty) supplementary service; Stage 1 (3GPP TS 22.084

TS 122 085 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) supplementary services; Stage 1 (3GPP TS 22.085 version 17.0.0 Release 17)

TS 122 086 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Advice of Charge (AoC) supplementary services; Stage 1 (3GPP TS 22.086 version 17.0.0 Release 17)

TS 122 087 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS); Service description; Stage 1 (3GPP TS 22.087 version 17.0.0 Release 17)

TS 122 088 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Barring (CB) supplementary services; Stage 1 (3GPP TS 22.088 version 17.0.0 Release 17)

TS 122 090 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Unstructured Supplementary Service Data (USSD); Stage 1 (3GPP TS 22.090 version 17.0.0 Release 17)

TS 122 091 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Explicit Call Transfer (ECT) supplementary service; Stage 1 (3GPP TS 22.091 version 17.0.0 Release 17)

TS 122 093 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1 (3GPP TS 22.093 version 17.0.0 Release 17)

TS 122 094 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Follow Me service description; Stage 1 (3GPP TS 22.094 version 17.0.0 Release 17)

TS 122 096 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Name identification supplementary services; Stage 1 (3GPP TS 22.096 version 17.0.0 Release 17)

TS 122 097 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multiple Subscriber Profile (MSP) Phase 2; Service description; Stage 1 (3GPP TS 22.097 version 17.0.0 Release 17)

TS 122 105 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Services and service capabilities (3GPP TS 22.105 version 17.0.0 Release 17)

TS 122 119 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Maritime communication services over 3GPP system (3GPP TS 22.119 version 17.0.0 Release 17)

TS 122 125 V17.6.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Unmanned Aerial System (UAS) support in 3GPP (3GPP TS 22.125 version 17.6.0 Release 17)

TS 122 129 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service aspects; Handover requirements between UTRAN and GERAN or other radio systems (3GPP TS 22.129 version 17.0.0 Release 17)

TS 122 135 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Multicall; Service description; Stage 1 (3GPP TS 22.135 version 17.0.0 Release 17)

TS 122 140 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Messaging Service (MMS); Stage 1 (3GPP TS 22.140 version 17.0.0 Release 17)

TS 122 141 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Presence service; Stage 1

(3GPP TS 22.141 version 17.0.0 Release 17)

TS 122 142 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Value Added Services (VAS) for Short Message Service (SMS) requirements (3GPP TS 22.142 version 17.0.0 Release 17)

TS 122 146 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Broadcast/Multicast Service (MBMS); Stage 1 (3GPP TS 22.146 version 17.0.0 Release 17)

TS 122 174 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Push Service; Service aspects; Stage 1 (3GPP TS 22.174 version 17.0.0 Release 17)

TS 122 179 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mission Critical Push to Talk (MCPTT); Stage 1 (3GPP TS 22.179 version 17.1.0 Release 17)

TS 122 182 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Customized Alerting Tones (CAT) requirements; Stage 1 (3GPP TS 22.182 version 17.0.0 Release 17)

TS 122 183 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customized Ringing Signal (CRS) requirements; Stage 1 (3GPP TS 22.183 version 17.0.0 Release 17)

TS 122 185 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Service requirements for V2X services (3GPP TS 22.185 version 17.0.0 Release 17)

TS 122 186 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Service requirements for enhanced V2X scenarios (3GPP TS 22.186 version 17.0.0 Release 17)

TS 122 220 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Service requirements for Home Node B

(HNB) and Home eNode B (HeNB) (3GPP TS 22.220 version 17.0.0 Release 17)

TS 122 226 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Global Text Telephony (GTT); Stage 1 (3GPP TS 22.226 version 17.0.0 Release 17)

TS 122 233 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end packet-switched streaming service; Stage 1 (3GPP TS 22.233 version 17.0.0 Release 17)

TS 122 240 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service requirements for 3GPP Generic User Profile (GUP); Stage 1 (3GPP TS 22.240 version 17.0.0 Release 17)

TS 122 242 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Digital Rights Management (DRM); Stage 1 (3GPP TS 22.242 version 17.0.0 Release 17)

TS 122 243 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech recognition framework for automated voice services; Stage 1 (3GPP TS 22.243 version 17.0.0 Release 17)

TS 122 246 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1 (3GPP TS 22.246 version 17.0.0 Release 17)

TS 122 250 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Group Management; Stage 1 (3GPP TS 22.250 version 17.0.0 Release 17)

TS 122 259 V17.0.0:2022

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

System (UMTS); LTE; Service requirements for Personal Network Management (PNM); Stage 1 (3GPP TS 22.259 version 17.0.0 Release 17)

TS 122 268 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Public Warning System (PWS) requirements (3GPP TS 22.268 version 17.0.0 Release 17)

TS 122 279 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Combined Circuit Switched (CS) and IP Multimedia Subsystem (IMS) sessions; Stage 1 (3GPP TS 22.279 version 17.0.0 Release 17)

TS 122 281 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mission Critical (MC) video (3GPP TS 22.281 version 17.0.0 Release 17)

TS 122 282 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mission Critical (MC) data (3GPP TS 22.282 version 17.0.0 Release 17)

TS 122 340 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) messaging; Stage 1 (3GPP TS 22.340 version 17.0.0 Release 17)

TS 122 346 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Isolated Evolved Universal Terrestrial Radio Access Network (E-UTRAN) operation for public safety; Stage 1 (3GPP TS 22.346 version 17.0.0 Release 17)

TS 122 368 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service requirements for Machine-Type Communications (MTC); Stage 1 (3GPP TS 22.368 version 17.0.0 Release 17)

TS 122 519 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Business communication requirements (3GPP TS 22.519 version 17.0.0 Release 17)

TR 122 903 V17.0.0:2022

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

2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study on Videotelephony teleservice (3GPP TR 22.903 version 17.0.0 Release 17)

TR 122 904 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Study on user-centric identifiers and authentication (3GPP TR 22.904 version 17.0.0 Release 17)

TR 122 906 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Study on IMS based peer-to-peer content distribution services (3GPP TR 22.906 version 17.0.0 Release 17)

TR 122 908 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Study on Paging Permission with Access Control (PPAC) (3GPP TR 22.908 version 17.0.0 Release 17)

TR 122 912 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study into network selection requirements for non-3GPP access (3GPP TR 22.912 version 17.0.0 Release 17)

TR 122 936 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multi-system terminals (3GPP TR 22.936 version 17.0.0 Release 17)

TR 122 940 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) messaging (3GPP TR 22.940 version 17.0.0 Release 17)

TR 122 942 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study on Value Added Services (VAS) for Short Message Service (SMS) (3GPP TR 22.942 version 17.0.0 Release 17)

TR 122 944 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Report on service requirements for UE functionality split (3GPP TR 22.944 version 17.0.0 Release 17)

TR 122 947 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); Study on Personal Broadcast Service (PBS) (3GPP TR 22.947 version 17.0.0 Release 17)

TR 122 948 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study of requirements of IP-Multimedia Subsystem (IMS) convergent multimedia conferencing (3GPP TR 22.948 version 17.0.0 Release 17)

TR 122 949 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study on a generalized privacy capability (3GPP TR 22.949 version 17.0.0 Release 17)

TR 122 950 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Priority service feasibility study (3GPP TR 22.950 version 17.0.0 Release 17)

TR 122 951 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service aspects and requirements for network sharing (3GPP TR 22.951 version 17.0.0 Release 17)

TR 122 952 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Priority service guide (3GPP TR 22.952 version 17.0.0 Release 17)

TR 122 967 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Transferring of emergency call data (3GPP TR 22.967 version 17.0.0 Release 17)

TR 122 968 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study for requirements for a Public Warning System (PWS) service (3GPP TR 22.968 version 17.0.0 Release 17)

TR 122 973 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IMS Multimedia Telephony service; and supplementary services (3GPP TR 22.973 version 17.0.0 Release 17)

TR 122 977 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Feasibility study for speech-enabled services (3GPP TR 22.977 version 17.0.0 Release 17)

TR 122 978 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; All-IP network (AIPN) feasibility study (3GPP TR 22.978 version 17.0.0 Release 17)

TR 122 979 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Feasibility study on combined Circuit Switched (CS) calls and IP Multimedia Subsystem (IMS) sessions (3GPP TR 22.979 version 17.0.0 Release 17)

TR 122 980 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Network composition feasibility study (3GPP TR 22.980 version 17.0.0 Release 17)

TR 122 982 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study of Customised Alerting Tone (CAT) requirements (3GPP TR 22.982 version 17.0.0 Release 17)

TR 122 983 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Services alignment and migration (3GPP TR 22.983 version 17.0.0 Release 17)

TR 122 985 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); Service requirements for the User Data Convergence (UDC) (3GPP TR 22.985 version 17.0.0 Release 17)

TR 122 986 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Study on Service Specific Access Control (3GPP TR 22.986 version 17.0.0 Release 17)

TR 122 987 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study of haptic services requirements (3GPP TR 22.987 version 17.0.0 Release 17)

TR 122 988 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Study on alternatives to E.164 for Machine-Type Communications (MTC) (3GPP TR 22.988 version 17.0.0 Release 17)

TS 123 009 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Handover procedures (3GPP TS 23.009 version 17.0.0 Release 17)

TS 123 011 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Technical realization of Supplementary Services (3GPP TS 23.011 version 17.0.0 Release 17)

TS 123 012 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Location management procedures (3GPP TS 23.012 version 17.0.0 Release 17)

TS 123 014 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Support of Dual Tone Multi-Frequency (DTMF) signalling (3GPP TS 23.014 version 17.0.0 Release 17)

TS 123 015 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Technical realization of Operator Determined Barring (ODB) (3GPP TS 23.015 version 17.0.0 Release 17)

TS 123 016 V17.0.0:2022

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

2+) (GSM); Universal Mobile Telecommunications System (UMTS); Subscriber data management; Stage 2 (3GPP TS 23.016 version 17.0.0 Release 17)

TS 123 031 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); 3G Security; Fraud Information Gathering System (FIGS); Technical realization; Stage 2 (3GPP TS 23.031 version 17.0.0 Release 17)

TS 123 034 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); High Speed Circuit Switched Data (HSCSD); Stage 2 (3GPP TS 23.034 version 17.0.0 Release 17)

TS 123 035 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Immediate Service Termination (IST); Stage 2 (3GPP TS 23.035 version 17.0.0 Release 17)

TS 123 038 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Alphabets and language-specific information (3GPP TS 23.038 version 17.0.0 Release 17)

TS 123 042 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Compression algorithm for text messaging services (3GPP TS 23.042 version 17.0.0 Release 17)

TS 123 057 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Mobile Execution Environment (MExE); Functional description; Stage 2 (3GPP TS 23.057 version 17.0.0 Release 17)

TS 123 060 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Service description; Stage 2 (3GPP TS 23.060 version 17.0.0 Release 17)

TS 123 066 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Support of Mobile Number Portability (MNP); Technical realization; Stage 2 (3GPP TS 23.066 version 17.0.0 Release 17)

TS 123 067 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2 (3GPP TS 23.067 version 17.0.0 Release 17)

TS 123 072 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Deflection (CD) supplementary service; Stage 2 (3GPP TS 23.072 version 17.0.0 Release 17)

TS 123 078 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 4; Stage 2 (3GPP TS 23.078 version 17.0.0 Release 17)

TS 123 079 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Support of Optimal Routing (SOR); Technical realization (3GPP TS 23.079 version 17.0.0 Release 17)

TS 123 081 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Line Identification supplementary services; Stage 2 (3GPP TS 23.081 version 17.0.0 Release 17)

TS 123 082 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) supplementary services; Stage 2 (3GPP TS 23.082 version 17.0.0 Release 17)

TS 123 083 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 2 (3GPP TS 23.083 version 17.0.0 Release 17)

TS 123 084 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multi Party (MPPTY) supplementary service; Stage 2 (3GPP TS 23.084 version 17.0.0 Release 17)

TS 123 085 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) supplementary service; Stage 2 (3GPP TS 23.085 version 17.0.0 Release 17)

TS 123 086 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Advice of Charge (AoC) supplementary services; Stage 2 (3GPP TS 23.086 version 17.0.0 Release 17)

TS 123 087 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS) supplementary service; Stage 2 (3GPP TS 23.087 version 17.0.0 Release 17)

TS 123 088 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Barring (CB) Supplementary Services; Stage 2 (3GPP TS 23.088 version 17.0.0 Release 17)

TS 123 090 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Unstructured Supplementary Service Data (USSD); Stage 2 (3GPP TS 23.090 version 17.0.0 Release 17)

TS 123 091 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Explicit Call Transfer (ECT) supplementary service; Stage 2 (3GPP TS 23.091 version 17.0.0 Release 17)

TS 123 093 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 (3GPP TS 23.093 version 17.0.0 Release 17)

17)

TS 123 094 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Follow-Me (FM); Stage 2 (3GPP TS 23.094 version 17.0.0 Release 17)

TS 123 096 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Name identification supplementary services; Stage 2 (3GPP TS 23.096 version 17.0.0 Release 17)

TS 123 097 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multiple Subscriber Profile (MSP) (Phase 2); Stage 2 (3GPP TS 23.097 version 17.0.0 Release 17)

TS 123 101 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); General Universal Mobile Telecommunications System (UMTS) architecture (3GPP TS 23.101 version 17.0.0 Release 17)

TS 123 107 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Quality of Service (QoS) concept and architecture (3GPP TS 23.107 version 17.0.0 Release 17)

TS 123 108 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Mobile radio interface layer 3 specification, core network protocols; Stage 2 (3GPP TS 23.108 version 17.0.0 Release 17)

TS 123 110 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Universal Mobile Telecommunications System (UMTS) access stratum; Services and functions (3GPP TS 23.110 version 17.0.0 Release 17)

TS 123 116 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Super-Charger technical realization; Stage 2 (3GPP TS 23.116 version 17.0.0 Release 17)

TS 123 119 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Gateway Location Register (GLR); Stage 2 (3GPP TS 23.119 version 17.0.0 Release 17)

TS 123 135 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Multicall supplementary service; Stage 2 (3GPP TS 23.135 version 17.0.0 Release 17)

TS 123 139 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3GPP system - fixed broadband access network interworking; Stage 2 (3GPP TS 23.139 version 17.0.0 Release 17)

TS 123 141 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Presence service; Architecture and functional description (3GPP TS 23.141 version 17.0.0 Release 17)

TS 123 142 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Value-added Services for SMS (VAS4SMS); Interface and signalling flow (3GPP TS 23.142 version 17.0.0 Release 17)

TS 123 146 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); Technical realization of facsimile Group 3 non-transparent (3GPP TS 23.146 version 17.0.0 Release 17)

TS 123 153 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Out of band transcoder control; Stage 2 (3GPP TS 23.153 version 17.0.0 Release 17)

TS 123 161 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Network-Based IP Flow Mobility (NBIFOM); Stage 2 (3GPP TS 23.161 version 17.0.0 Release 17)

TS 123 172 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); Technical realization of Circuit Switched (CS) multimedia service UDI/RDI fallback and

service modification; Stage 2 (3GPP TS 23.172 version 17.0.0 Release 17)

TS 123 202 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Circuit switched data bearer services (3GPP TS 23.202 version 17.0.0 Release 17)

TS 123 204 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Support of Short Message Service (SMS) over generic 3GPP Internet Protocol (IP) access; Stage 2 (3GPP TS 23.204 version 17.0.0 Release 17)

TS 123 205 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Bearer-independent circuit-switched core network; Stage 2 (3GPP TS 23.205 version 17.0.0 Release 17)

TS 123 207 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; End-to-end Quality of Service (QoS) concept and architecture (3GPP TS 23.207 version 17.0.0 Release 17)

TS 123 218 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) session handling; IM call model; Stage 2 (3GPP TS 23.218 version 17.0.0 Release 17)

TS 123 221 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Architectural requirements (3GPP TS 23.221 version 17.0.0 Release 17)

TS 123 226 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Global text telephony (GTT); Stage 2 (3GPP TS 23.226 version 17.0.0 Release 17)

TS 123 231 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); SIP-I based circuit-switched core

network; Stage 2 (3GPP TS 23.231 version 17.0.0 Release 17)

TS 123 236 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes (3GPP TS 23.236 version 17.0.0 Release 17)

TS 123 237 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Service Continuity; Stage 2 (3GPP TS 23.237 version 17.0.0 Release 17)

TS 123 240 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 3GPP Generic User Profile (GUP); Architecture (Stage 2) (3GPP TS 23.240 version 17.0.0 Release 17)

TS 123 246 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description (3GPP TS 23.246 version 17.0.0 Release 17)

TS 123 251 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Network sharing; Architecture and functional description (3GPP TS 23.251 version 17.0.0 Release 17)

TS 123 259 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); Procedures and information flows; Stage 2 (3GPP TS 23.259 version 17.0.0 Release 17)

TS 123 261 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; IP flow mobility and seamless Wireless Local Area Network (WLAN) offload; Stage 2 (3GPP TS 23.261 version 17.0.0 Release 17)

TS 123 278 V17.0.0:2022

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

System (UMTS); Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 4; Stage 2; IM CN Interworking (3GPP TS 23.278 version 17.0.0 Release 17)

TS 123 279 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Combining Circuit Switched (CS) and IP Multimedia Subsystem (IMS) services; Stage 2 (3GPP TS 23.279 version 17.0.0 Release 17)

TS 123 284 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Local Call Local Switch (LCLS); Stage 2 (3GPP TS 23.284 version 17.0.0 Release 17)

TS 123 285 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Architecture enhancements for V2X services (3GPP TS 23.285 version 17.0.0 Release 17)

TS 123 292 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) centralized services; Stage 2 (3GPP TS 23.292 version 17.0.0 Release 17)

TS 123 335 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); Technical realization and information flows; Stage 2 (3GPP TS 23.335 version 17.0.0 Release 17)

TS 123 468 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Group Communication System Enablers for LTE (GCSE_LTE); Stage 2 (3GPP TS 23.468 version 17.0.0 Release 17)

TS 123 479 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Technical Specification Group Services and System Aspects; UE MBMS APIs for Mission Critical Services; (3GPP TS 23.479 version 17.0.0 Release 17)

TR 123 903 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Redial solution for voice-video switching (3GPP TR 23.903 version 17.0.0

Release 17)

TR 123 919 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Direct tunnel deployment guideline (3GPP TR 23.919 version 17.0.0 Release 17)

TR 123 924 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Feasibility study on Non-Access Stratum (NAS) node selection function above Base Station Controller (BSC) / Radio Network Controller (RNC) (3GPP TR 23.924 version 17.0.0 Release 17)

TR 123 973 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; User data interworking, coexistence and migration (3GPP TR 23.973 version 17.0.0 Release 17)

TR 123 975 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IPv6 migration guidelines (3GPP TR 23.975 version 17.0.0 Release 17)

TR 123 976 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Push architecture (3GPP TR 23.976 version 17.0.0 Release 17)

TR 123 977 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks (3GPP TR 23.977 version 17.0.0 Release 17)

TR 123 979 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 3GPP enablers for Open Mobile Alliance (OMA); Push-to-talk over Cellular (PoC) services; Stage 2 (3GPP TR 23.979 version 17.0.0 Release 17)

TR 123 981 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations (3GPP TR 23.981 version 17.0.0 Release 17)

TS 124 010 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mobile radio interface layer 3; Supplementary services specification; General aspects (3GPP TS 24.010 version 17.0.0 Release 17)

TS 124 022 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Radio Link Protocol (RLP) for circuit switched bearer and teleservices (3GPP TS 24.022 version 17.0.0 Release 17)

TS 124 030 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); Supplementary service operations; Stage 3 (3GPP TS 24.030 version 17.0.0 Release 17)

TS 124 067 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3 (3GPP TS 24.067 version 17.0.0 Release 17)

TS 124 072 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Deflection (CD) supplementary service; Stage 3 (3GPP TS 24.072 version 17.0.0 Release 17)

TS 124 081 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Line Identification supplementary services; Stage 3 (3GPP TS 24.081 version 17.0.0 Release 17)

TS 124 082 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) supplementary services; Stage 3 (3GPP TS 24.082 version 17.0.0 Release 17)

TS 124 083 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 3 (3GPP TS 24.083 version 17.0.0 Release 17)

TS 124 084 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multi Party (MPPTY) supplementary service; Stage 3 (3GPP TS 24.084 version 17.0.0 Release 17)

TS 124 085 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) supplementary service; Stage 3 (3GPP TS 24.085 version 17.0.0 Release 17)

TS 124 086 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Advice of Charge (AoC) supplementary services; Stage 3 (3GPP TS 24.086 version 17.0.0 Release 17)

TS 124 087 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS) Supplementary Service; Stage 3 (3GPP TS 24.087 version 17.0.0 Release 17)

TS 124 088 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Barring (CB) supplementary service; Stage 3 (3GPP TS 24.088 version 17.0.0 Release 17)

TS 124 090 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Unstructured Supplementary Service Data (USSD); Stage 3 (3GPP TS 24.090 version 17.0.0 Release 17)

TS 124 091 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Explicit Call Transfer (ECT) supplementary service; Stage 3 (3GPP TS 24.091 version 17.0.0 Release 17)

TS 124 093 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Completion of Calls to Busy Subscriber (CCBS); Stage 3 (3GPP TS 24.093 version 17.0.0 Release 17)

TS 124 096 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Name Identification supplementary services; Stage 3 (3GPP TS 24.096 version 17.0.0 Release 17)

TS 124 103 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS); Stage 3 (3GPP TS 24.103 version 17.0.0 Release 17)

TS 124 105 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Application specific Congestion control for Data Communication (ACDC) Management Object (MO) (3GPP TS 24.105 version 17.0.0 Release 17)

TS 124 116 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Stage 3 aspects of system architecture enhancements for TV services (3GPP TS 24.116 version 17.0.0 Release 17)

TS 124 117 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; TV service configuration Management Object (MO) (3GPP TS 24.117 version 17.0.0 Release 17)

TS 124 135 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Multicall supplementary service; Stage 3 (3GPP TS 24.135 version 17.0.0 Release 17)

TS 124 139 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 3GPP system - fixed broadband access network interworking; Stage 3 (3GPP TS 24.139 version 17.0.0 Release 17)

TS 124 147 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3 (3GPP TS 24.147 version 17.0.0 Release 17)

TS 124 161 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Network-Based IP Flow Mobility (NBIFOM); Stage 3 (3GPP TS 24.161 version

17.0.0 Release 17)

TS 124 171 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Control Plane Location Services (LCS) procedures in the Evolved Packet System (EPS) (3GPP TS 24.171 version 17.0.0 Release 17)

TS 124 196 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Enhanced Calling Name (eCNAM) (3GPP TS 24.196 version 17.0.0 Release 17)

TS 124 216 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Communication Continuity Management Object (MO) (3GPP TS 24.216 version 17.0.0 Release 17)

TS 124 238 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Session Initiation Protocol (SIP) based user configuration; Stage 3 (3GPP TS 24.238 version 17.0.0 Release 17)

TS 124 239 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Flexible Alerting (FA) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.239 version 17.0.0 Release 17)

TS 124 244 V16.1.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Wireless LAN control plane protocol for trusted WLAN access to EPC; Stage 3 (3GPP TS 24.244 version 16.1.0 Release 16)

TS 124 244 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Wireless LAN control plane protocol for trusted WLAN access to EPC; Stage 3 (3GPP TS 24.244 version 17.0.0 Release 17)

TS 124 247 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3 (3GPP TS 24.247 version 17.0.0 Release 17)

TS 124 279 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Combining Circuit Switched (CS)

and IP Multimedia Subsystem (IMS) services; Stage 3 (3GPP TS 24.279 version 17.0.0 Release 17)

TS 124 281 V14.13.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Video (MCVideo) signalling control; Protocol specification (3GPP TS 24.281 version 14.13.0 Release 14)

TS 124 281 V15.12.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Video (MCVideo) signalling control; Protocol specification (3GPP TS 24.281 version 15.12.0 Release 15)

TS 124 281 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Video (MCVideo) signalling control; Protocol specification (3GPP TS 24.281 version 16.8.0 Release 16)

TS 124 282 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Data (MCDData) signalling control; Protocol specification (3GPP TS 24.282 version 16.9.0 Release 16)

TS 124 282 V17.6.2:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Data (MCDData) signalling control; Protocol specification (3GPP TS 24.282 version 17.6.2 Release 17)

TS 124 285 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Allowed Closed Subscriber Group (CSG) list; Management Object (MO) (3GPP TS 24.285 version 17.0.0 Release 17)

TS 124 286 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS); Management Object (MO) (3GPP TS 24.286 version 17.0.0 Release 17)

TS 124 292 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS); Stage 3 (3GPP TS 24.292 version 17.0.0 Release 17)

TS 124 294 V17.0.0:2022

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

(IMS) Centralized Services (ICS) protocol via I1 interface (3GPP TS 24.294 version 17.0.0 Release 17)

TS 124 303 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mobility management based on Dual-Stack Mobile IPv6; Stage 3 (3GPP TS 24.303 version 17.0.0 Release 17)

TS 124 304 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mobility management based on Mobile IPv4; User Equipment (UE) - foreign agent interface; Stage 3 (3GPP TS 24.304 version 17.0.0 Release 17)

TS 124 305 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Selective Disabling of 3GPP User Equipment Capabilities (SDoUE) Management Object (MO) (3GPP TS 24.305 version 17.0.0 Release 17)

TS 124 312 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Access Network Discovery and Selection Function (ANDSF) Management Object (MO) (3GPP TS 24.312 version 17.0.0 Release 17)

TS 124 315 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Operator Determined Barring (ODB); Stage 3: protocol specification (3GPP TS 24.315 version 17.0.0 Release 17)

TS 124 322 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Tunnelling of IP Multimedia Subsystem (IMS) services over restrictive access networks; Stage 3 (3GPP TS 24.322 version 17.0.0 Release 17)

TS 124 323 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3GPP IP Multimedia Subsystem (IMS) service level tracing Management Object (MO) (3GPP TS 24.323 version 17.0.0 Release 17)

TS 124 333 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Proximity-services (ProSe) Management Objects (MO) (3GPP TS 24.333 version 17.0.0 Release 17)

TS 124 337 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer; Stage 3 (3GPP TS 24.337 version 17.0.0 Release 17)

TS 124 385 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; V2X services Management Object (MO) (3GPP TS 24.385 version 17.0.0 Release 17)

TS 124 386 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; User Equipment (UE) to V2X control function; protocol aspects; Stage 3 (3GPP TS 24.386 version 17.0.0 Release 17)

TS 124 417 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Management Object (MO) for Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem (3GPP TS 24.417 version 17.0.0 Release 17)

TS 124 481 V14.7.1:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) group management; Protocol specification (3GPP TS 24.481 version 14.7.1 Release 14)

TS 124 481 V15.6.2:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) group management; Protocol specification (3GPP TS 24.481 version 15.6.2 Release 15)

TS 124 481 V16.4.1:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) group management; Protocol specification (3GPP TS 24.481 version 16.4.1 Release 16)

TS 124 484 V14.12.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) configuration management; Protocol specification (3GPP TS 24.484 version 14.12.0 Release 14)

TS 124 484 V15.11.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) configuration management; Protocol specification (3GPP TS 24.484 version 15.11.0 Release 15)

TS 124 484 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) configuration management; Protocol specification (3GPP TS 24.484 version 16.11.0 Release 16)

TS 124 501 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Non-Access-Stratum (NAS) protocol for 5G System (5GS); Stage 3 (3GPP TS 24.501 version 16.11.0 Release 16)

TS 124 519 V16.5.0:2022

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 16.5.0 Release 16)

TS 124 523 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Core and enterprise Next Generation Network (NGN) interaction scenarios; Architecture and functional description (3GPP TS 24.523 version 17.0.0 Release 17)

TS 124 524 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Hosted enterprise services; Architecture, functional description and signalling (3GPP TS 24.524 version 17.0.0 Release 17)

TS 124 525 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Business trunking; Architecture and functional description (3GPP TS 24.525 version 17.0.0 Release 17)

TS 124 581 V15.8.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Video (MCVideo) media plane control; Protocol specification (3GPP TS 24.581 version 15.8.0 Release 15)

TS 124 581 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Video (MCVideo) media plane control; Protocol specification (3GPP TS 24.581 version 16.8.0 Release 16)

TS 124 587 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; Vehicle-to-Everything (V2X) services in 5G System (5GS); Stage 3 (3GPP TS 24.587 version 16.8.0 Release 16)

TS 124 605 V17.0.0:2022

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

IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.605 version 17.0.0 Release 17)

TS 124 606 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Message Waiting Indication (MWI) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.606 version 17.0.0 Release 17)

TS 124 607 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.607 version 17.0.0 Release 17)

TS 124 608 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.608 version 17.0.0 Release 17)

TS 124 610 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.610 version 17.0.0 Release 17)

TS 124 615 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Communication Waiting (CW) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol Specification (3GPP TS 24.615 version 17.0.0 Release 17)

TS 124 616 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Malicious Communication Identification (MCID) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.616 version 17.0.0 Release 17)

TS 124 629 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.629 version 17.0.0 Release 17)

TS 124 642 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Completion of Communications to Busy Subscriber (CCBS) and Completion of Communications by No Reply (CCNR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.642 version 17.0.0 Release 17)

TS 124 647 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Advice Of Charge (AOC) using IP Multimedia (IM) Core Network (CN) subsystem (3GPP TS 24.647 version 17.0.0 Release 17)

TS 124 654 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem, Protocol Specification (3GPP TS 24.654 version 17.0.0 Release 17)

TR 124 930 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Signalling flows for the session setup in the IP Multimedia core network Subsystem (IMS) based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TR 24.930 version 17.0.0 Release 17)

TR 124 969 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Business trunking; Next Generation Corporate Network (NGCN) - Next Generation Network (NGN) interfaces implementation guide (3GPP TR 24.969 version 17.0.0 Release 17)

TS 125 101 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (FDD) (3GPP TS 25.101 version 17.0.0 Release 17)

TS 125 102 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (TDD) (3GPP TS 25.102 version 17.0.0 Release 17)

TS 125 104 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Base Station (BS) radio transmission and reception (FDD) (3GPP TS 25.104 version 17.0.0 Release 17)

TS 125 105 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Base Station (BS) radio transmission and reception (TDD) (3GPP TS 25.105 version 17.0.0 Release 17)

TS 125 106 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRA repeater radio transmission and reception (3GPP TS 25.106 version 17.0.0 Release 17)

TS 125 111 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Location Measurement Unit (LMU) performance specification; User Equipment (UE) positioning in UTRAN (3GPP TS 25.111 version 17.0.0 Release 17)

TS 125 113 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Base station (BS) and repeater electromagnetic compatibility (EMC) (3GPP TS 25.113 version 17.0.0 Release 17)

TS 125 116 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRA repeater radio transmission and reception (LCR TDD) (3GPP TS 25.116 version 17.0.0 Release 17)

TS 125 123 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (TDD) (3GPP TS 25.123 version 17.0.0 Release 17)

TS 125 133 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (FDD) (3GPP TS 25.133 version 17.0.0 Release 17)

TS 125 141 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Base Station (BS) conformance testing (FDD) (3GPP TS 25.141 version 17.0.0 Release 17)

TS 125 142 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Base Station (BS) conformance testing (TDD) (3GPP TS 25.142 version 17.0.0 Release 17)

TS 125 143 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRA repeater conformance testing (3GPP TS 25.143 version 17.0.0 Release 17)

TS 125 153 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRA repeater conformance testing (LCR TDD) (3GPP TS 25.153 version 17.0.0 Release 17)

TS 125 171 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD) (3GPP TS 25.171 version 17.0.0 Release 17)

TS 125 172 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Requirements for support of Assisted Galileo and Additional Navigation Satellite Systems (A-GANSS) Frequency Division Duplex (FDD) (3GPP TS 25.172 version 17.0.0 Release 17)

TS 125 173 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Requirements for support of Assisted Galileo and Additional Navigation Satellite Systems (A-GANSS) Time Division Duplex (TDD) (3GPP TS 25.173 version 17.0.0 Release 17)

TS 125 401 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN overall description (3GPP TS 25.401 version 17.0.0 Release 17)

TS 125 402 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Synchronisation in UTRAN Stage 2 (3GPP TS 25.402 version 17.0.0 Release 17)

TS 125 410 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface: General aspects and principles (3GPP TS 25.410 version 17.0.0 Release 17)

TS 125 411 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface layer 1 (3GPP TS 25.411 version 17.0.0 Release 17)

TS 125 412 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface signalling transport (3GPP TS 25.412 version 17.0.0 Release 17)

TS 125 413 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling (3GPP TS 25.413 version 17.0.0 Release 17)

TS 125 414 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface data transport and transport signalling (3GPP TS 25.414 version 17.0.0 Release 17)

TS 125 415 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface user plane protocols (3GPP TS 25.415 version 17.0.0 Release 17)

TS 125 419 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP) (3GPP TS 25.419 version 17.0.0 Release 17)

TS 125 420 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface general aspects and principles (3GPP TS 25.420 version 17.0.0 Release 17)

TS 125 422 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface signalling transport (3GPP TS 25.422 version 17.0.0 Release 17)

TS 125 424 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface data transport & transport signalling for Common Transport

Channel data streams (3GPP TS 25.424 version 17.0.0 Release 17)

TS 125 425 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface user plane protocols for Common Transport Channel data streams (3GPP TS 25.425 version 17.0.0 Release 17)

TS 125 426 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams (3GPP TS 25.426 version 17.0.0 Release 17)

TS 125 427 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iub/Iur interface user plane protocol for DCH data streams (3GPP TS 25.427 version 17.0.0 Release 17)

TS 125 430 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iub Interface: general aspects and principles (3GPP TS 25.430 version 17.0.0 Release 17)

TS 125 431 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface Layer 1 (3GPP TS 25.431 version 17.0.0 Release 17)

TS 125 432 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface: signalling transport (3GPP TS 25.432 version 17.0.0 Release 17)

TS 125 433 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface Node B Application Part (NBAP) signalling (3GPP TS 25.433 version 17.0.0 Release 17)

TS 125 434 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface data transport and transport signalling for Common Transport Channel data streams (3GPP TS 25.434 version 17.0.0 Release 17)

TS 125 435 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System

(UMTS); UTRAN Iuh interface user plane protocols for Common Transport Channel data streams (3GPP TS 25.435 version 17.0.0 Release 17)

TS 125 442 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN implementation-specific O&M transport (3GPP TS 25.442 version 17.0.0 Release 17)

TS 125 444 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Iuh data transport (3GPP TS 25.444 version 17.0.0 Release 17)

TS 125 446 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; MBMS synchronisation protocol (SYNC) (3GPP TS 25.446 version 17.0.0 Release 17)

TS 125 450 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iupc interface general aspects and principles (3GPP TS 25.450 version 17.0.0 Release 17)

TS 125 451 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iupc interface layer 1 (3GPP TS 25.451 version 17.0.0 Release 17)

TS 125 452 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iupc interface: signalling transport (3GPP TS 25.452 version 17.0.0 Release 17)

TS 125 453 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling (3GPP TS 25.453 version 17.0.0 Release 17)

TS 125 460 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iuant interface: General aspects and principles (3GPP TS 25.460 version 17.0.0 Release 17)

TS 125 461 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iuant interface: Layer 1 (3GPP TS 25.461 version 17.0.0 Release 17)

TS 125 462 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iuant interface: Signalling transport (3GPP TS 25.462 version 17.0.0 Release 17)

TS 125 466 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iuant interface: Application part (3GPP TS 25.466 version 17.0.0 Release 17)

TS 125 467 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN architecture for 3G Home Node B (HNB); Stage 2 (3GPP TS 25.467 version 17.0.0 Release 17)

TS 125 468 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iuh Interface RANAP User Adaption (RUA) signalling (3GPP TS 25.468 version 17.0.0 Release 17)

TS 125 469 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iuh interface Home Node B (HNB) Application Part (HNBAP) signalling (3GPP TS 25.469 version 17.0.0 Release 17)

TS 125 470 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iuh Interface PCAP User Adaption (PUA) signalling (3GPP TS 25.470 version 17.0.0 Release 17)

TS 125 471 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRAN Iurh interface Radio Network Subsystem Application Part (RNSAP) User Adaption (RNA) signalling (3GPP TS 25.471 version 17.0.0 Release 17)

TS 125 484 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Automatic Neighbour Relation (ANR) for UTRAN; Stage 2 (3GPP TS 25.484 version 17.0.0 Release 17)

TR 125 906 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Dynamically reconfiguring a Frequency Division Duplex (FDD) User Equipment (UE) receiver to reduce power consumption when desired Quality of Service (QoS) is met (3GPP TR 25.906 version 17.0.0 Release 17)

TR 125 914 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); Measurements of radio performances for UMTS terminals in speech mode (3GPP TR 25.914 version 17.0.0 Release 17)

TR 125 931 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); UTRAN functions, examples on signalling procedures (3GPP TR 25.931 version 17.0.0 Release 17)

TR 125 942 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); Radio Frequency (RF) system scenarios (3GPP TR 25.942 version 17.0.0 Release 17)

TR 125 943 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); Deployment aspects (3GPP TR 25.943 version 17.0.0 Release 17)

TR 125 951 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); FDD Base Station (BS) classification (3GPP TR 25.951 version 17.0.0 Release 17)

TR 125 956 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); Universal Terrestrial Radio Access (UTRA) repeater planning guidelines and system analysis (3GPP TR 25.956 version 17.0.0 Release 17)

TR 125 963 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); Feasibility study on interference cancellation for UTRA FDD User Equipment (UE) (3GPP TR 25.963 version 17.0.0 Release 17)

TR 125 967 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); Home Node B (HNB) Radio Frequency (RF) requirements (FDD) (3GPP TR 25.967 version 17.0.0 Release 17)

TR 125 968 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); 1.28 Mcps TDD Home NodeB Radio Frequency (RF) (3GPP TR 25.968 version 17.0.0 Release 17)

TS 126 114 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP SA

Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction (3GPP TS 26.114 version 17.4.0 Release 17)

TS 126 116 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Television (TV) over 3GPP services; Video profiles (3GPP TS 26.116 version 17.0.0 Release 17)

TS 126 132 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech and video telephony terminal acoustic test specification (3GPP TS 26.132 version 17.1.0 Release 17)

TS 126 247 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end Packet-switched Streaming Service (PSS); Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH) (3GPP TS 26.247 version 17.0.0 Release 17)

TS 126 346 V16.10.0:2022

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 16.10.0 Release 16)

TS 126 347 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 LTE; Multimedia Broadcast/Multicast Service (MBMS); Application Programming Interface and URL (3GPP TS 26.347 version 17.0.0 Release 17)

TS 126 501 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
 5G; 5G Media Streaming (5GMS); General description and architecture (3GPP TS 26.501 version 17.1.0 Release 17)

TS 126 511 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
 5G; 5G Media Streaming (5GMS); Profiles, codecs and formats (3GPP TS 26.511 version 17.1.0 Release 17)

TS 126 512 V16.5.0:2022

Comitet Tehnic ETSI: 3GPP SA
 5G; 5G Media Streaming (5GMS); Protocols (3GPP TS 26.512 version 16.5.0 Release 16)

TS 126 512 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 5G; 5G Media Streaming (5GMS); Protocols

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(3GPP TS 26.512 version 17.0.0 Release 17)

TR 126 925 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Typical traffic characteristics of media services on 3GPP networks (3GPP TR 26.925 version 17.1.0 Release 17)

TR 126 962 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Immersive Teleconferencing and Telepresence for Remote Terminals (ITT4RT) Operation and Usage Guidelines (3GPP TR 26.962 version 17.0.0 Release 17)

TR 126 998 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Support of 5G glass-type Augmented Reality / Mixed Reality (AR/MR) devices (3GPP TR 26.998 version 17.0.0 Release 17)

TS 127 001 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) (3GPP TS 27.001 version 17.0.0 Release 17)

TS 127 002 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Terminal Adaptation Functions (TAF) for services using asynchronous bearer capabilities (3GPP TS 27.002 version 17.0.0 Release 17)

TS 127 003 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Terminal Adaptation Functions (TAF) for services using synchronous bearer capabilities (3GPP TS 27.003 version 17.0.0 Release 17)

TS 127 005 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS) (3GPP TS 27.005 version 17.0.0 Release 17)

TS 127 007 V16.11.0:2022

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 16.11.0 Release 16)

TS 127 010 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Terminal Equipment to User Equipment (TE-UE) multiplexer protocol (3GPP TS 27.010 version 17.0.0 Release 17)

TS 127 060 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Packet domain; Mobile Station (MS) supporting Packet Switched services (3GPP TS 27.060 version 17.0.0 Release 17)

TS 128 201 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Charging management; Network slice performance and analytics charging in the 5G System (5GS); Stage 2 (3GPP TS 28.201 version 17.0.0 Release 17)

TS 128 202 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Charging management; Network slice management charging in the 5G System (5GS); Stage 2 (3GPP TS 28.202 version 17.0.0 Release 17)

TS 128 301 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Licensed Shared Access (LSA) Controller (LC) Integration Reference Point (IRP); Requirements (3GPP TS 28.301 version 17.0.0 Release 17)

TS 128 302 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Licensed Shared Access (LSA) Controller (LC) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.302 version 17.0.0 Release 17)

TS 128 303 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Licensed Shared Access (LSA) Controller (LC) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.303 version 17.0.0 Release 17)

TS 128 304 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP); Requirements (3GPP TS 28.304 version 17.0.0 Release 17)

TS 128 305 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.305 version 17.0.0 Release 17)

TS 128 306 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.306 version 17.0.0 Release 17)

TS 128 307 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Quality of Experience (QoE) measurement collection Integration Reference Point (IRP); Requirements (3GPP TS 28.307 version 17.0.0 Release 17)

TS 128 308 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Quality of Experience (QoE) measurement collection Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.308 version 17.0.0 Release 17)

TS 128 309 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Management of Quality of Experience (QoE) measurement collection Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.309 version 17.0.0 Release 17)

TS 128 311 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; LTE; Management and orchestration; Network policy management for mobile networks based on Network Function Virtualization (NFV) scenarios (3GPP TS 28.311 version 17.0.0 Release 17)

TS 128 390 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC); Interface Integration Reference Point (IRP) Solution Profiles (SPs) (3GPP TS 28.390 version 17.0.0 Release 17)

TS 128 402 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements for Evolved Packet Core (EPC) and non-3GPP access interworking system (3GPP TS 28.402 version 17.0.0 Release 17)

TS 128 403 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements for Wireless Local Area Network (WLAN) (3GPP TS 28.403 version 17.0.0 Release 17)

TS 128 406 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Quality of Experience (QoE) measurement collection; Information definition and transport (3GPP TS 28.406 version 17.0.0 Release 17)

TS 128 500 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Management concept, architecture and requirements for mobile networks that include virtualized network functions (3GPP TS 28.500 version 17.0.0 Release 17)

TS 128 510 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Configuration Management (CM) for mobile networks that include virtualized network functions; Requirements (3GPP TS 28.510 version 17.0.0 Release 17)

TS 128 511 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Configuration Management (CM) for mobile networks that include virtualized network functions; Procedures (3GPP TS 28.511 version 17.0.0 Release 17)

TS 128 512 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Configuration Management (CM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.512 version 17.0.0 Release 17)

TS 128 513 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management;

Configuration Management (CM) for mobile networks that include virtualized network functions; Stage 3 (3GPP TS 28.513 version 17.0.0 Release 17)

TS 128 515 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Fault Management (FM) for mobile networks that include virtualized network functions; Requirements (3GPP TS 28.515 version 17.0.0 Release 17)

TS 128 516 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Fault Management (FM) for mobile networks that include virtualized network functions; Procedures (3GPP TS 28.516 version 17.0.0 Release 17)

TS 128 517 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Fault Management (FM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.517 version 17.0.0 Release 17)

TS 128 518 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Fault Management (FM) for mobile networks that include virtualized network functions; Stage 3 (3GPP TS 28.518 version 17.0.0 Release 17)

TS 128 520 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Requirements (3GPP TS 28.520 version 17.0.0 Release 17)

TS 128 521 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Procedures (3GPP TS 28.521 version 17.0.0 Release 17)

TS 128 522 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.522 version 17.0.0 Release 17)

TS 128 523 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Stage 3 (3GPP TS 28.523 version

17.0.0 Release 17)

TS 128 525 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Requirements (3GPP TS 28.525 version 17.0.0 Release 17)

TS 128 526 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Procedures (3GPP TS 28.526 version 17.0.0 Release 17)

TS 128 527 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.527 version 17.0.0 Release 17)

TS 128 528 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Stage 3 (3GPP TS 28.528 version 17.0.0 Release 17)

TS 128 550 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Performance assurance (3GPP TS 28.550 version 17.0.0 Release 17)

TS 128 611 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Packet Core (EPC) and non-3GPP access interworking system Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.611 version 17.0.0 Release 17)

TS 128 612 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Packet Core (EPC) and non-3GPP access interworking system Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.612 version 17.0.0 Release 17)

TS 128 616 V17.0.0:2022

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

management; Evolved Packet Core (EPC) and non-3GPP access interworking system Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.616 version 17.0.0 Release 17)

TS 128 620 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) Umbrella Information Model (UIM) (3GPP TS 28.620 version 17.0.0 Release 17)

TS 128 621 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.621 version 17.0.0 Release 17)

TS 128 624 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; State management data definition Integration Reference Point (IRP); Requirements (3GPP TS 28.624 version 17.0.0 Release 17)

TS 128 625 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; State management data definition Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.625 version 17.0.0 Release 17)

TS 128 626 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; State management data definition Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.626 version 17.0.0 Release 17)

TS 128 627 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.627 version 17.0.0 Release 17)

TS 128 628 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON) Policy Network

Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.628 version 17.0.0 Release 17)

TS 128 629 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.629 version 17.0.0 Release 17)

TS 128 631 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.631 version 17.0.0 Release 17)

TS 128 632 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.632 version 17.0.0 Release 17)

TS 128 633 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.633 version 17.0.0 Release 17)

TS 128 651 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Universal Terrestrial Radio Access Network (UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.651 version 17.0.0 Release 17)

TS 128 652 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Universal Terrestrial Radio Access Network (UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.652 version 17.0.0 Release 17)

TS 128 653 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management;

Universal Terrestrial Radio Access Network (UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.653 version 17.0.0 Release 17)

TS 128 654 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.654 version 17.0.0 Release 17)

TS 128 655 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.655 version 17.0.0 Release 17)

TS 128 656 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.656 version 17.0.0 Release 17)

TS 128 657 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); Requirements (3GPP TS 28.657 version 17.0.0 Release 17)

TS 128 659 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); Solution Set (SS) definitions (3GPP TS 28.659 version 17.0.0 Release 17)

TS 128 661 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.661 version 17.0.0 Release 17)

TS 128 662 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.662 version 17.0.0 Release 17)

TS 128 663 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.663 version 17.0.0 Release 17)

TS 128 667 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Radio Planning Tool Access (RPTA) Integration Reference Point (IRP); Requirements (3GPP TS 28.667 version 17.0.0 Release 17)

TS 128 668 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Radio Planning Tool Access (RPTA) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.668 version 17.0.0 Release 17)

TS 128 669 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Radio Planning Tool Access (RPTA) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.669 version 17.0.0 Release 17)

TS 128 671 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) Subsystem (HNS) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.671 version 17.0.0 Release 17)

TS 128 672 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) Subsystem (HNS) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.672 version 17.0.0 Release 17)

TS 128 673 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management;

Home Node B (HNB) Subsystem (HNS) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.673 version 17.0.0 Release 17)

TS 128 674 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home enhanced Node B (HeNB) Subsystem (HeNS) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.674 version 17.0.0 Release 17)

TS 128 675 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home enhanced Node B (HeNB) Subsystem (HeNS) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.675 version 17.0.0 Release 17)

TS 128 676 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home enhanced Node B (HeNB) Subsystem (HeNS) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.676 version 17.0.0 Release 17)

TS 128 680 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Wireless Local Area Network (WLAN) management; Concepts and requirements (3GPP TS 28.680 version 17.0.0 Release 17)

TS 128 681 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Wireless Local Area Network (WLAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.681 version 17.0.0 Release 17)

TS 128 682 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Wireless Local Area Network (WLAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.682 version 17.0.0 Release 17)

TS 128 683 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Wireless Local Area Network (WLAN) Network Resource

Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.683 version 17.0.0 Release 17)

TS 128 701 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Core Network (CN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.701 version 17.0.0 Release 17)

TS 128 702 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Core Network (CN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.702 version 17.0.0 Release 17)

TS 128 703 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Core Network (CN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.703 version 17.0.0 Release 17)

TS 128 704 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.704 version 17.0.0 Release 17)

TS 128 705 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.705 version 17.0.0 Release 17)

TS 128 706 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.706 version 17.0.0 Release 17)

TS 128 707 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Packet Core (EPC) Network Resource

Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.707 version 17.0.0 Release 17)

TS 128 708 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.708 version 17.0.0 Release 17)

TS 128 709 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.709 version 17.0.0 Release 17)

TS 128 731 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.731 version 17.0.0 Release 17)

TS 128 732 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.732 version 17.0.0 Release 17)

TS 128 733 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.733 version 17.0.0 Release 17)

TS 128 734 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.734 version 17.0.0 Release 17)

TS 128 735 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration

Reference Point (IRP); Information Service (IS) (3GPP TS 28.735 version 17.0.0 Release 17)

TS 128 736 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.736 version 17.0.0 Release 17)

TS 128 751 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.751 version 17.0.0 Release 17)

TS 128 752 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.752 version 17.0.0 Release 17)

TS 128 753 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.753 version 17.0.0 Release 17)

TS 129 007 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) (3GPP TS 29.007 version 17.0.0 Release 17)

TS 129 010 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Information element mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MSC); Signalling Procedures and the Mobile Application Part (MAP) (3GPP TS 29.010 version 17.0.0 Release 17)

TS 129 011 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Signalling Interworking for supplementary services (3GPP TS 29.011 version 17.0.0 Release 17)

TS 129 013 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Signalling interworking between ISDN supplementary services; Application Service Element (ASE) and Mobile Application Part (MAP) protocols (3GPP TS 29.013 version 17.0.0 Release 17)

TS 129 016 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification (3GPP TS 29.016 version 17.0.0 Release 17)

TS 129 018 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification (3GPP TS 29.018 version 17.0.0 Release 17)

TS 129 078 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase X; CAMEL Application Part (CAP) specification (3GPP TS 29.078 version 17.0.0 Release 17)

TS 129 108 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Application of the Radio Access Network Application Part (RANAP) on the E-interface (3GPP TS 29.108 version 17.0.0 Release 17)

TS 129 109 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Stage 3 (3GPP TS 29.109 version 17.0.0 Release 17)

TS 129 118 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Mobility Management Entity (MME) - Visitor Location Register (VLR) SGs interface specification (3GPP TS 29.118 version 17.0.0 Release 17)

TS 129 119 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR) (3GPP TS 29.119 version 17.0.0 Release 17)

TS 129 120 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Mobile Application Part (MAP) specification for Gateway Location Register (GLR) (3GPP TS 29.120 version 17.0.0 Release 17)

TS 129 128 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Universal Mobile Telecommunications System (UMTS); Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) interfaces for interworking with packet data networks and applications (3GPP TS 29.128 version 17.0.0 Release 17)

TS 129 139 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 3GPP system - fixed broadband access network interworking; Home (e)Node B - security gateway interface (3GPP TS 29.139 version 17.0.0 Release 17)

TS 129 153 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Service capability exposure functionality over Ns reference point (3GPP TS 29.153 version 17.0.0 Release 17)

TS 129 154 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Service capability exposure functionality over Nt reference point (3GPP TS 29.154 version 17.0.0 Release 17)

TS 129 164 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Interworking between the 3GPP CS domain with BICC or ISUP as signalling protocol and external SIP-I networks (3GPP TS 29.164 version 17.0.0 Release 17)

TS 129 172 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); Evolved Packet Core (EPC) LCS Protocol (ELP) between the Gateway Mobile Location Centre (GMLC) and the Mobile Management Entity (MME); SLg interface (3GPP TS 29.172 version 17.0.0 Release 17)

TS 129 173 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); Diameter-based SLh interface for Control Plane LCS (3GPP TS 29.173 version 17.0.0 Release 17)

TS 129 202 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); Signalling System No. 7 (SS7) signalling transport in core network; Stage 3 (3GPP TS 29.202 version 17.0.0 Release 17)

TS 129 204 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Signalling System No. 7 (SS7) security gateway; Architecture, functional description and protocol details (3GPP TS 29.204 version 17.0.0 Release 17)

TS 129 205 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); Application of Q.1900 series to bearer independent Circuit Switched (CS) core network architecture; Stage 3 (3GPP TS 29.205 version 17.0.0 Release 17)

TS 129 215 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Policy and Charging Control (PCC) over S9 reference point; Stage 3 (3GPP TS 29.215 version 17.0.0 Release 17)

TS 129 217 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Policy and Charging Control (PCC); Congestion reporting over Np reference point (3GPP TS 29.217 version 17.0.0 Release 17)

TS 129 219 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Policy and charging control: Spending limit reporting over Sy reference

point (3GPP TS 29.219 version 17.0.0 Release 17)

TS 129 231 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Application of SIP-I Protocols to Circuit Switched (CS) core network architecture; Stage 3 (3GPP TS 29.231 version 17.0.0 Release 17)

TS 129 250 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Nu reference point between SCEF and PFDF for sponsored data connectivity (3GPP TS 29.250 version 17.0.0 Release 17)

TS 129 275 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Proxy Mobile IPv6 (PMIPv6) based Mobility and Tunnelling protocols; Stage 3 (3GPP TS 29.275 version 17.0.0 Release 17)

TS 129 276 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 3GPP Evolved Packet System (EPS); Optimized handover procedures and protocols between E-UTRAN access and cdma2000 HRPD Access; Stage 3 (3GPP TS 29.276 version 17.0.0 Release 17)

TS 129 277 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Optimised handover procedures and protocol between EUTRAN access and non-3GPP accesses (S102); Stage 3 (3GPP TS 29.277 version 17.0.0 Release 17)

TS 129 278 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customized Applications for Mobile network Enhanced Logic (CAMEL) Phase 4; CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS) (3GPP TS 29.278 version 17.0.0 Release 17)

TS 129 279 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Mobile IPv4 (MIPv4) based mobility protocols; Stage 3 (3GPP TS 29.279 version 17.0.0 Release 17)

TS 129 280 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Evolved Packet System (EPS); 3GPP Sv interface (MME to MSC, and SGSN to

MSC) for SRVCC (3GPP TS 29.280 version 17.0.0 Release 17)

TS 129 282 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Mobile IPv6 vendor specific option format and usage within 3GPP (3GPP TS 29.282 version 17.0.0 Release 17)

TS 129 283 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Diameter data management applications (3GPP TS 29.283 version 17.0.0 Release 17)

TS 129 305 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; InterWorking Function (IWF) between MAP based and Diameter based interfaces (3GPP TS 29.305 version 17.0.0 Release 17)

TS 129 311 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Service Level Interworking (SLI) for messaging services (3GPP TS 29.311 version 17.0.0 Release 17)

TS 129 329 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Sh interface based on the Diameter protocol; Protocol details (3GPP TS 29.329 version 17.0.0 Release 17)

TS 129 337 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Diameter-based T4 Interface for communications with packet data networks and applications (3GPP TS 29.337 version 17.0.0 Release 17)

TS 129 343 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Proximity-services (ProSe) function to ProSe application server aspects (PC2); Stage 3 (3GPP TS 29.343 version 17.0.0 Release 17)

TS 129 344 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Proximity-services (ProSe) function to Home Subscriber Server (HSS) aspects; Stage 3 (3GPP TS 29.344 version 17.0.0 Release 17)

TS 129 345 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Inter-Proximity-services (ProSe) function signalling aspects; Stage 3 (3GPP TS 29.345 version 17.0.0 Release 17)

TS 129 364 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Application Server (AS) service data descriptions for AS interoperability (3GPP TS 29.364 version 17.0.0 Release 17)

TS 129 368 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Tsp interface protocol between the MTC Interworking Function (MTC-IWF) and Service Capability Server (SCS) (3GPP TS 29.368 version 17.0.0 Release 17)

TS 129 379 V16.4.0:2022

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 16.4.0 Release 16)

TS 129 388 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; V2X Control Function to Home Subscriber Server (HSS) aspects (V4); Stage 3 (3GPP TS 29.388 version 17.0.0 Release 17)

TS 129 389 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Inter-V2X Control Function Signalling aspects (V6); Stage 3 (3GPP TS 29.389 version 17.0.0 Release 17)

TS 129 405 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Nq and Nq' Application Protocol (Nq-AP); Stage 3 (3GPP TS 29.405 version 17.0.0 Release 17)

TS 129 413 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 17.0.0 Release 17)

TS 129 414 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); Core network Nb data transport and transport signalling (3GPP TS 29.414 version 17.0.0 Release 17)

TS 129 415 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); Core network Nb interface user plane protocols (3GPP TS 29.415 version 17.0.0 Release 17)

TS 129 525 V15.8.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; UE Policy Control Service; Stage 3 (3GPP TS 29.525 version 15.8.0 Release 15)

TS 129 525 V16.10.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; UE Policy Control Service; Stage 3 (3GPP TS 29.525 version 16.10.0 Release 16)

TS 129 526 V16.7.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Slice-Specific Authentication and Authorization (NSSAA) services; Stage 3 (3GPP TS 29.526 version 16.7.0 Release 16)

TS 129 540 V16.10.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; SMS Services; Stage 3 (3GPP TS 29.540 version 16.10.0 Release 16)

TS 129 554 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Background Data Transfer Policy Control Service; Stage 3 (3GPP TS 29.554 version 16.8.0 Release 16)

TS 129 563 V16.7.0:2022

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 16.7.0 Release 16)

TS 129 571 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Common Data Types for Service Based Interfaces; Stage 3 (3GPP TS 29.571 version 16.11.0 Release 16)

TS 129 572 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Location Management Services; Stage 3 (3GPP TS 29.572 version 16.9.0 Release 16)

TS 129 573 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Public Land Mobile Network (PLMN) Interconnection; Stage 3 (3GPP TS 29.573 version 16.9.0 Release 16)

TS 129 582 V16.4.0:2022

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

16.4.0 Release 16)

TS 129 591 V16.7.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Exposure Function Southbound Services; Stage 3 (3GPP TS 29.591 version 16.7.0 Release 16)

TS 129 594 V16.7.0:2022

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Spending Limit Control Service; Stage 3 (3GPP TS 29.594 version 16.7.0 Release 16)

TS 129 658 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; SIP Transfer of IP Multimedia Service Tariff Information; Protocol specification (3GPP TS 29.658 version 17.0.0 Release 17)

TS 129 674 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Interface between the UE radio Capability Management Function (UCMF) and the Mobility Management Entity (MME); Stage 3 (3GPP TS 29.674 version 17.0.0 Release 17)

TR 129 909 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Diameter-based protocols usage and recommendations in 3GPP (3GPP TR 29.909 version 17.0.0 Release 17)

TR 129 935 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Study on User Data Convergence (UDC) data model (3GPP TR 29.935 version 17.0.0 Release 17)

TR 129 949 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Study on technical aspects on roaming end-to-end scenarios with Voice over LTE (VoLTE) IP Multimedia Subsystem (IMS) and other networks (3GPP TR 29.949 version 17.0.0 Release 17)

TR 129 994 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults (3GPP TR 29.994 version 17.0.0 Release 17)

TS 131 101 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; 5G UICC-terminal interface; Physical and logical characteristics (3GPP TS 31.101 version 17.0.0 Release 17)

TS 131 102 V17.5.0:2022

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 17.5.0 Release 17)

TS 131 104 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; Characteristics of the Hosting Party Subscription Identity Module (HPSIM) application (3GPP TS 31.104 version 17.0.0 Release 17)

TS 131 111 V16.6.0:2022

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 16.6.0 Release 16)

TS 131 115 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications (3GPP TS 31.115 version 17.0.0 Release 17)

TS 131 116 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Remote APDU Structure for (U)SIM Toolkit applications (3GPP TS 31.116 version 17.0.0 Release 17)

TS 131 120 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; UICC-terminal interface; Physical, electrical and logical test specification (3GPP TS 31.120 version 17.0.0 Release 17)

TS 131 121 V16.6.0:2022

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 16.6.0 Release 16)

TS 131 122 V16.4.0:2022

Comitet Tehnic ETSI: 3GPP CT

Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 16.4.0 Release 16)

TS 131 122 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 17.0.0 Release 17)

TS 131 130 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; (U)SIM Application Programming Interface (API); (U)SIM API for Java Card (3GPP TS 31.130 version 17.0.0 Release 17)

TS 131 131 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; C-language binding to (U)SIM API (3GPP TS 31.131 version 17.0.0 Release 17)

TS 131 133 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Services Identity Module (ISIM) Application Programming Interface (API); ISIM API for Java Card (3GPP TS 31.133 version 17.0.0 Release 17)

TS 131 213 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; Test specification for (U)SIM; Application Programming Interface (API) for Java Card (3GPP TS 31.213 version 17.0.0 Release 17)

TS 131 220 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; Characteristics of the Contact Manager for 3GPP UICC applications (3GPP TS 31.220 version 17.0.0 Release 17)

TS 131 221 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; Contact Manager Application Programming Interface (API); Contact Manager API for Java Card (3GPP TS 31.221 version 17.0.0 Release 17)

TR 131 900 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; SIM/USIM internal and external

interworking aspects (3GPP TR 31.900 version 17.0.0 Release 17)

TR 131 970 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
LTE; Universal Mobile Telecommunications System (UMTS); UICC power optimisation for Machine-Type Communication (MTC) (3GPP TR 31.970 version 17.0.0 Release 17)

TS 132 101 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Principles and high level requirements (3GPP TS 32.101 version 17.0.0 Release 17)

TS 132 102 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Architecture (3GPP TS 32.102 version 17.0.0 Release 17)

TS 132 103 V16.3.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 16.3.0 Release 16)

TS 132 103 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 17.0.0 Release 17)

TS 132 107 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 17.0.0 Release 17)

TS 132 111-1 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fault Management; Part 1: 3G fault management requirements (3GPP TS 32.111-1 version 17.0.0 Release 17)

TS 132 111-2 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.111-2 version 17.0.0 Release 17)

TS 132 111-6 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fault Management; Part 6: Alarm Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.111-6 version 17.0.0 Release 17)

TS 132 121 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP): Requirements (3GPP TS 32.121 version 17.0.0 Release 17)

TS 132 122 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.122 version 17.0.0 Release 17)

TS 132 126 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.126 version 17.0.0 Release 17)

TS 132 140 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscription Management (SuM) requirements (3GPP TS 32.140 version 17.0.0 Release 17)

TS 132 141 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscription Management (SuM) architecture (3GPP TS 32.141 version 17.0.0 Release 17)

Release 17)

TS 132 150 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) Concept and definitions (3GPP TS 32.150 version 17.0.0 Release 17)

TS 132 153 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) technology specific templates, rules and guidelines (3GPP TS 32.153 version 17.0.0 Release 17)

TS 132 154 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Backward and Forward Compatibility (BFC); Concept and definitions (3GPP TS 32.154 version 17.0.0 Release 17)

TS 132 155 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Requirements template (3GPP TS 32.155 version 17.0.0 Release 17)

TS 132 156 V16.5.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) model repertoire (3GPP TS 32.156 version 16.5.0 Release 16)

TS 132 157 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template (3GPP TS 32.157 version 17.0.0 Release 17)

TS 132 158 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration; Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 17.0.0 Release 17)

TS 132 181 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; User Data Convergence (UDC); Framework for Model Handling and Management (3GPP TS 32.181 version 17.0.0 Release 17)

TS 132 182 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; User Data Convergence (UDC); Common baseline information model (CBIM) (3GPP TS 32.182 version 17.0.0 Release 17)

TS 132 240 V16.5.0:2022

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 16.5.0 Release 16)

TS 132 253 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); Telecommunication management; Charging management; Control Plane (CP) data transfer domain charging (3GPP TS 32.253 version 17.0.0 Release 17)

TS 132 256 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Charging management; 5G connection and mobility domain charging; Stage 2 (3GPP TS 32.256 version 17.0.0 Release 17)

TS 132 270 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; Multimedia Messaging Service (MMS) charging (3GPP TS 32.270 version 17.0.0 Release 17)

TS 132 271 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; Location Services (LCS) charging (3GPP TS 32.271 version 17.0.0 Release 17)

TS 132 273 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; Multimedia Broadcast and Multicast Service (MBMS)

charging (3GPP TS 32.273 version 17.0.0 Release 17)

TS 132 276 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; Voice Call Service (VCS) charging (3GPP TS 32.276 version 17.0.0 Release 17)

TS 132 278 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Charging management; Monitoring event charging (3GPP TS 32.278 version 17.0.0 Release 17)

TS 132 280 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Advice of Charge (AoC) service (3GPP TS 32.280 version 17.0.0 Release 17)

TS 132 291 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Charging management; 5G system, charging service; Stage 3 (3GPP TS 32.291 version 16.11.0 Release 16)

TS 132 293 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; Proxy function (3GPP TS 32.293 version 17.0.0 Release 17)

TS 132 296 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; Online Charging System (OCS): Applications and interfaces (3GPP TS 32.296 version 17.0.0 Release 17)

TS 132 297 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) file format and transfer (3GPP TS 32.297 version 17.0.0 Release 17)

TS 132 300 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); Name convention for Managed Objects (3GPP TS 32.300 version 17.0.0 Release 17)

TS 132 301 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); Notification Integration Reference Point (IRP); Requirements (3GPP TS 32.301 version 17.0.0 Release 17)

TS 132 302 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); Notification Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.302 version 17.0.0 Release 17)

TS 132 306 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.306 version 17.0.0 Release 17)

TS 132 311 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements (3GPP TS 32.311 version 17.0.0 Release 17)

TS 132 312 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS) (3GPP TS 32.312 version 17.0.0 Release 17)

TS 132 316 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Integration Reference Point (IRP) management; Solution Set (SS) definitions (3GPP TS 32.316 version 17.0.0 Release 17)

TS 132 321 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Test management Integration Reference Point (IRP); Requirements (3GPP TS 32.321 version 17.0.0 Release 17)

TS 132 322 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Test management Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.322 version 17.0.0 Release 17)

TS 132 326 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Test management Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.326 version 17.0.0 Release 17)

TS 132 331 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); Requirements (3GPP TS 32.331 version 17.0.0 Release 17)

TS 132 336 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): Solution Set (SS) definitions (3GPP TS 32.336 version 17.0.0 Release 17)

TS 132 341 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Requirements (3GPP TS 32.341 version 17.0.0 Release 17)

TS 132 342 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.342 version 17.0.0 Release 17)

TS 132 346 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.346 version 17.0.0 Release 17)

TS 132 351 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Requirements (3GPP TS 32.351 version 17.0.0 Release 17)

TS 132 352 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.352 version 17.0.0 Release 17)

TS 132 356 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.356 version 17.0.0 Release 17)

TS 132 361 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); Requirements (3GPP TS 32.361 version 17.0.0 Release 17)

TS 132 362 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); Information Service (IS) (3GPP TS 32.362 version 17.0.0 Release 17)

TS 132 371 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Security Management concept and

requirements (3GPP TS 32.371 version 17.0.0 Release 17)

TS 132 372 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Security services for Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.372 version 17.0.0 Release 17)

TS 132 376 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Security services for Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.376 version 17.0.0 Release 17)

TS 132 381 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 Itf-N Integration Reference Point (IRP); Requirements (3GPP TS 32.381 version 17.0.0 Release 17)

TS 132 386 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 Itf-N Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.386 version 17.0.0 Release 17)

TS 132 391 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Delta synchronization Integration Reference Point (IRP); Requirements (3GPP TS 32.391 version 17.0.0 Release 17)

TS 132 392 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Delta synchronization Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.392 version 17.0.0 Release 17)

TS 132 396 V17.0.0:2022

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

management; Delta synchronization Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.396 version 17.0.0 Release 17)

TS 132 401 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Performance Management (PM); Concept and requirements (3GPP TS 32.401 version 17.0.0 Release 17)

TS 132 404 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements; Definitions and template (3GPP TS 32.404 version 17.0.0 Release 17)

TS 132 405 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Telecommunication management; Performance Management (PM); Performance measurements; Universal Terrestrial Radio Access Network (UTRAN) (3GPP TS 32.405 version 17.0.0 Release 17)

TS 132 406 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements; Core Network (CN) Packet Switched (PS) domain (3GPP TS 32.406 version 17.0.0 Release 17)

TS 132 407 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements; Core Network (CN) Circuit Switched (CS) domain; UMTS and combined UMTS/GSM (3GPP TS 32.407 version 17.0.0 Release 17)

TS 132 408 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements; Teleservice (3GPP TS 32.408 version 17.0.0 Release 17)

TS 132 409 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements; IP Multimedia Subsystem (IMS) (3GPP TS 32.409 version 17.0.0 Release 17)

TS 132 410 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Telecommunication management; Key Performance Indicators (KPI) for UMTS and GSM (3GPP TS 32.410 version 17.0.0 Release 17)

TS 132 411 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements (3GPP TS 32.411 version 17.0.0 Release 17)

TS 132 412 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.412 version 17.0.0 Release 17)

TS 132 416 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.416 version 17.0.0 Release 17)

TS 132 422 V16.9.1:2022

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 16.9.1 Release 16)

TS 132 426 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 LTE; Telecommunication management; Performance Management (PM); Performance measurements Evolved Packet Core (EPC) network (3GPP TS 32.426 version 17.0.0 Release

17)

TS 132 432 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance measurement: File format definition (3GPP TS 32.432 version 17.0.0 Release 17)

TS 132 435 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance measurement; eXtensible Markup Language (XML) file format definition (3GPP TS 32.435 version 17.0.0 Release 17)

TS 132 436 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition (3GPP TS 32.436 version 17.0.0 Release 17)

TS 132 441 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Trace Management Integration Reference Point (IRP); Requirements (3GPP TS 32.441 version 17.0.0 Release 17)

TS 132 442 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Trace Management Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.442 version 17.0.0 Release 17)

TS 132 446 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Trace Management Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.446 version 17.0.0 Release 17)

TS 132 450 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management;

Key Performance Indicators (KPI) for Evolved Universal Terrestrial Radio Access Network (E-UTRAN): Definitions (3GPP TS 32.450 version 17.0.0 Release 17)

TS 132 451 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Key Performance Indicators (KPI) for Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Requirements (3GPP TS 32.451 version 17.0.0 Release 17)

TS 132 452 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements Home Node B (HNB) Subsystem (HNS) (3GPP TS 32.452 version 17.0.0 Release 17)

TS 132 453 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements Home enhanced Node B (HeNB) Subsystem (HeNS) (3GPP TS 32.453 version 17.0.0 Release 17)

TS 132 454 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Key Performance Indicators (KPI) for the IP Multimedia Subsystem (IMS); Definitions (3GPP TS 32.454 version 17.0.0 Release 17)

TS 132 455 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Key Performance Indicators (KPI) for the Evolved Packet Core (EPC); Definitions (3GPP TS 32.455 version 17.0.0 Release 17)

TS 132 500 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON); Concepts and requirements (3GPP TS 32.500 version 17.0.0 Release 17)

TS 132 501 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-configuration of network elements; Concepts and requirements (3GPP TS 32.501 version 17.0.0 Release 17)

TS 132 502 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-configuration of network elements Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.502 version 17.0.0 Release 17)

TS 132 506 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-configuration of network elements Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.506 version 17.0.0 Release 17)

TS 132 511 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Automatic Neighbour Relation (ANR) management; Concepts and requirements (3GPP TS 32.511 version 17.0.0 Release 17)

TS 132 531 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Software management (SwM); Concepts and Integration Reference Point (IRP) Requirements (3GPP TS 32.531 version 17.0.0 Release 17)

TS 132 532 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Software management (SwM); Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.532 version 17.0.0 Release 17)

TS 132 536 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Software management Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.536 version 17.0.0 Release 17)

TS 132 541 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON); Self-healing concepts and requirements (3GPP TS 32.541 version 17.0.0 Release 17)

TS 132 551 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management;

Energy Saving Management (ESM); Concepts and requirements (3GPP TS 32.551 version 17.0.0 Release 17)

TS 132 571 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) and Home eNode B (HeNB) management; Type 2 interface concepts and requirements (3GPP TS 32.571 version 17.0.0 Release 17)

TS 132 572 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) and Home eNode B (HeNB) management; Type 2 interface models and mapping functions (3GPP TS 32.572 version 17.0.0 Release 17)

TS 132 581 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Concepts and requirements for Type 1 interface HNB to HNB Management System (HMS) (3GPP TS 32.581 version 17.0.0 Release 17)

TS 132 582 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Information model for Type 1 interface HNB to HNB Management System (HMS) (3GPP TS 32.582 version 17.0.0 Release 17)

TS 132 583 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Procedure flows for Type 1 interface HNB to HNB Management System (HMS) (3GPP TS 32.583 version 17.0.0 Release 17)

TS 132 584 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); XML definitions for Type 1 interface HNB to HNB Management System (HMS) (3GPP TS 32.584 version 17.0.0 Release 17)

TS 132 591 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Concepts and requirements for Type 1 interface HeNB to HeNB Management System (HeMS) (3GPP TS 32.591 version 17.0.0 Release 17)

TS 132 592 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Information model for Type 1 interface HeNB to HeNB Management System (HeMS) (3GPP TS 32.592 version 17.0.0 Release 17)

TS 132 593 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Procedure flows for Type 1 interface HeNB to HeNB Management System (HeMS) (3GPP TS 32.593 version 17.0.0 Release 17)

TS 132 594 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); XML definitions for Type 1 interface HeNB to HeNB Management System (HeMS) (3GPP TS 32.594 version 17.0.0 Release 17)

TS 132 600 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); Concept and high-level requirements (3GPP TS 32.600 version 17.0.0 Release 17)

TS 133 105 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Cryptographic algorithm requirements (3GPP TS 33.105 version 17.0.0 Release 17)

TS 133 106 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Lawful interception requirements (3GPP TS 33.106 version 17.0.0 Release 17)

TS 133 107 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System

(UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Lawful interception architecture and functions (3GPP TS 33.107 version 17.0.0 Release 17)

TS 133 108 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Handover interface for Lawful Interception (LI) (3GPP TS 33.108 version 17.0.0 Release 17)

TS 133 110 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Key establishment between a Universal Integrated Circuit Card (UICC) and a terminal (3GPP TS 33.110 version 17.0.0 Release 17)

TS 133 116 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Security Assurance Specification (SCAS) for the MME network product class (3GPP TS 33.116 version 17.0.0 Release 17)

TS 133 122 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Security aspects of Common API Framework (CAPIF) for 3GPP northbound APIs (3GPP TS 33.122 version 17.0.0 Release 17)

TS 133 128 V15.8.0:2022

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 15.8.0 Release 15)

TS 133 128 V16.10.0:2022

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 16.10.0 Release 16)

TS 133 141 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Presence service; Security (3GPP TS 33.141 version 17.0.0 Release 17)

TS 133 180 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Security of the Mission Critical (MC) service (3GPP TS 33.180 version 16.9.0 Release 16)

TS 133 185 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

LTE; 5G; Security aspect for LTE support of Vehicle-to-Everything (V2X) services (3GPP TS 33.185 version 17.0.0 Release 17)

TS 133 187 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Security aspects of Machine-Type Communications (MTC) and other mobile data applications communications enhancements (3GPP TS 33.187 version 17.0.0 Release 17)

TS 133 204 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Network Domain Security (NDS); Transaction Capabilities Application Part (TCAP) user security (3GPP TS 33.204 version 17.0.0 Release 17)

TS 133 221 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Generic Authentication Architecture (GAA); Support for subscriber certificates (3GPP TS 33.221 version 17.0.0 Release 17)

TS 133 224 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) push layer (3GPP TS 33.224 version 17.0.0 Release 17)

TS 133 234 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 3G security; Wireless Local Area Network (WLAN) interworking security (3GPP TS 33.234 version 17.0.0 Release 17)

TS 133 246 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS) (3GPP TS 33.246 version 17.0.0 Release 17)

TS 133 250 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; Security assurance specification for the PGW network product class (3GPP TS 33.250 version 17.0.0 Release 17)

TS 133 259 V17.0.0:2022

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

System (UMTS); LTE; Key establishment between a UICC hosting device and a remote device (3GPP TS 33.259 version 17.0.0 Release 17)

TS 133 310 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); Authentication Framework (AF) (3GPP TS 33.310 version 16.9.0 Release 16)

TS 133 320 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Security of Home Node B (HNB) / Home evolved Node B (HeNB) (3GPP TS 33.320 version 17.0.0 Release 17)

TS 133 402 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3GPP System Architecture Evolution (SAE); Security aspects of non-3GPP accesses (3GPP TS 33.402 version 17.0.0 Release 17)

TS 133 434 V16.3.1:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Security aspects of Service Enabler Architecture Layer (SEAL) for verticals (3GPP TS 33.434 version 16.3.1 Release 16)

TS 133 434 V17.1.1:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Security aspects of Service Enabler Architecture Layer (SEAL) for verticals (3GPP TS 33.434 version 17.1.1 Release 17)

TS 133 501 V15.15.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 15.15.0 Release 15)

TS 133 501 V16.10.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.10.0 Release 16)

TS 133 501 V16.9.1:2022

Comitet Tehnic ETSI: 3GPP SA
5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.9.1 Release 16)

TS 133 515 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS) for the Session Management Function (SMF) network product class (3GPP TS 33.515 version 17.0.0 Release 17)

TS 133 516 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS) for the Authentication Server Function (AUSF) network product class (3GPP TS 33.516 version 17.0.0 Release 17)

TS 133 518 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS) for the Network Repository Function (NRF) network product class (3GPP TS 33.518 version 17.0.0 Release 17)

TS 133 519 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS) for the Network Exposure Function (NEF) network product class (3GPP TS 33.519 version 17.0.0 Release 17)

TS 133 536 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Security aspects of 3GPP support for advanced Vehicle-to-Everything (V2X) services (3GPP TS 33.536 version 17.0.0 Release 17)

TR 133 905 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Recommendations for Trusted Open Platforms (3GPP TR 33.905 version 17.0.0 Release 17)

TR 133 916 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Security Assurance Methodology (SECAM) for 3GPP network products (3GPP TR 33.916 version 17.0.0 Release 17)

TR 133 919 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Generic Authentication Architecture (GAA); System description (3GPP TR 33.919 version 17.0.0 Release 17)

TR 133 924 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Identity management and 3GPP security interworking; Identity management and Generic Authentication Architecture (GAA) interworking (3GPP TR 33.924 version 17.0.0 Release 17)

TR 133 935 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Study on detailed Long Term Key Update Process (LTKUP) detailed solutions (3GPP TR 33.935 version 17.0.0 Release 17)

TR 133 937 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Study of mechanisms for Protection against Unsolicited Communication for IMS (PUCI) (3GPP TR 33.937 version 17.0.0 Release 17)

TR 133 969 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study on security aspects of Public Warning System (PWS) (3GPP TR 33.969 version 17.0.0 Release 17)

TR 133 980 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Liberty Alliance and 3GPP security interworking; Interworking of Liberty Alliance Identity Federation Framework (ID-FF), Identity Web Services Framework (ID-WSF) and Generic Authentication Architecture (GAA) (3GPP TR 33.980 version 17.0.0 Release 17)

TR 133 995 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Study on security aspects of integration of Single Sign-On (SSO) frameworks with 3GPP operator-controlled resources and mechanisms (3GPP TR 33.995 version 17.0.0 Release 17)

TS 134 124 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 34.124 version 17.0.0 Release 17)

TS 134 131 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Test Specification for C-language binding to (Universal) Subscriber Interface Module ((U)SIM) Application Programming Interface (API) (3GPP TS 34.131 version 17.0.0 Release 17)

TR 134 926 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Electromagnetic compatibility (EMC); Table of international requirements for

mobile terminals and ancillary equipment (3GPP TR 34.926 version 17.0.0 Release 17)

TS 135 201 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specification (3GPP TS 35.201 version 17.0.0 Release 17)

TS 135 202 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi specification (3GPP TS 35.202 version 17.0.0 Release 17)

TS 135 203 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data (3GPP TS 35.203 version 17.0.0 Release 17)

TS 135 204 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data (3GPP TS 35.204 version 17.0.0 Release 17)

TS 135 205 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General (3GPP TS 35.205 version 17.0.0 Release 17)

TS 135 206 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification (3GPP TS 35.206 version 17.0.0 Release 17)

TS 135 207 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data (3GPP TS 35.207 version 17.0.0 Release 17)

TS 135 208 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data (3GPP TS 35.208 version 17.0.0 Release 17)

TS 135 215 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 1: UEA2 and UIA2 specifications (3GPP TS 35.215 version 17.0.0 Release 17)

TS 135 216 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 2: SNOW 3G specification (3GPP TS 35.216 version 17.0.0 Release 17)

TS 135 217 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 3: Implementors' test data (3GPP TS 35.217 version 17.0.0 Release 17)

TS 135 218 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 4: Design conformance test data (3GPP TS 35.218 version 17.0.0 Release 17)

TS 135 221 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 1: EEA3 and EIA3 specifications (3GPP TS 35.221 version 17.0.0 Release 17)

TS 135 222 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 2: ZUC specification (3GPP TS 35.222 version 17.0.0 Release 17)

TS 135 223 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 3: Implementors' test data (3GPP TS 35.223 version 17.0.0 Release 17)

TS 135 231 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: Algorithm specification (3GPP TS 35.231 version 17.0.0 Release 17)

TS 135 232 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Implementors' test data (3GPP TS 35.232 version 17.0.0 Release 17)

TS 135 233 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Design conformance test data (3GPP TS 35.233 version 17.0.0 Release 17)

TR 135 909 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation (3GPP TR 35.909 version 17.0.0 Release 17)

TR 135 919 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 5: Design and evaluation report (3GPP TR 35.919 version 17.0.0 Release 17)

TR 135 924 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 4: Design and Evaluation Report

TR 135 934 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Report on the design and evaluation (3GPP TR 35.934 version 17.0.0 Release 17)

TR 135 935 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Performance evaluation (3GPP TR 35.935 version 17.0.0 Release 17)

TR 135 936 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 6: Security assessment (3GPP TR 35.936 version 17.0.0 Release 17)

TS 136 101 V10.32.0:2022

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 10.32.0 Release 10)

TS 136 101 V11.29.0:2022

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 11.29.0 Release 11)

TS 136 101 V12.29.0:2022

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 12.29.0 Release 12)

TS 136 101 V13.23.0:2022

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 13.23.0 Release 13)

TS 136 101 V14.21.0:2022

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 14.21.0 Release 14)

TS 136 101 V15.17.0:2022

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 15.17.0 Release 15)

TS 136 101 V16.12.0:2022

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 16.12.0 Release 16)

TS 136 104 V15.15.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 15.15.0 Release 15)

TS 136 104 V16.13.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 16.13.0 Release 16)

TS 136 104 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 17.5.0 Release 17)

TS 136 106 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); FDD repeater radio transmission and reception (3GPP TS 36.106 version 17.0.0 Release 17)

TS 136 111 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Location Measurement Unit (LMU) performance specification; Network based positioning systems in Evolved Universal Terrestrial Radio Access Network (E-UTRAN) (3GPP TS 36.111 version 17.0.0 Release 17)

TS 136 112 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Location Measurement Unit (LMU) conformance specification; Network based positioning systems in Evolved Universal Terrestrial Radio Access Network (E-UTRAN) (3GPP TS 36.112 version 17.0.0 Release 17)

TS 136 113 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access

(E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 17.0.0 Release 17)

TS 136 116 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Relay radio transmission and reception (3GPP TS 36.116 version 17.0.0 Release 17)

TS 136 117 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Relay conformance testing (3GPP TS 36.117 version 17.0.0 Release 17)

TS 136 124 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 36.124 version 17.0.0 Release 17)

TS 136 133 V16.12.0:2022

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 16.12.0 Release 16)

TS 136 141 V15.16.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 15.16.0 Release 15)

TS 136 141 V16.13.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 16.13.0 Release 16)

TS 136 141 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 17.5.0 Release 17)

TS 136 143 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); FDD repeater conformance testing (3GPP TS 36.143 version 17.0.0 Release 17)

TS 136 171 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for Support of Assisted Global Navigation Satellite System (A-GNSS) (3GPP TS 36.171 version 17.0.0 Release 17)

TS 136 201 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE physical layer; General description (3GPP TS 36.201 version 17.0.0 Release 17)

TS 136 212 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (3GPP TS 36.212 version 17.1.0 Release 17)

TS 136 214 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer; Measurements (3GPP TS 36.214 version 17.0.0 Release 17)

TS 136 216 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer for relaying operation (3GPP TS 36.216 version 17.0.0 Release 17)

TS 136 307 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 17.0.0 Release 17)

TS 136 465 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 interface user plane protocol (3GPP TS 36.465 version 17.0.0 Release 17)

TR 136 912 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Feasibility study for Further Advancements for E-UTRA (LTE-Advanced) (3GPP TR 36.912 version 17.0.0 Release 17)

TR 136 921 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); FDD Home eNode B (HeNB) Radio Frequency (RF) requirements analysis (3GPP TR 36.921 version 17.0.0 Release 17)

TR 136 922 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); TDD Home eNode B (HeNB) Radio Frequency (RF) requirements analysis (3GPP TR 36.922 version 17.0.0 Release 17)

TR 136 927 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Potential solutions for energy saving for E-UTRAN (3GPP TR 36.927 version 17.0.0 Release 17)

TR 136 931 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Frequency (RF) requirements for LTE Pico Node B (3GPP TR 36.931 version 17.0.0 Release 17)

TR 136 933 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Study on Context Aware Service Delivery in RAN for LTE (3GPP TR 36.933 version 17.0.0 Release 17)

TR 136 942 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Frequency (RF) system scenarios (3GPP TR 36.942 version 17.0.0 Release 17)

TR 136 976 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Overall description of LTE-based 5G broadcast (3GPP TR 36.976 version 17.0.0 Release 17)

TS 137 104 V15.16.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 15.16.0 Release 15)

TS 137 104 V16.13.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 16.13.0 Release 16)

TS 137 104 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 17.5.0 Release 17)

TS 137 105 V15.16.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 15.16.0 Release 15)

TS 137 105 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 16.11.0 Release 16)

TS 137 105 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 17.5.0 Release 17)

TS 137 106 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; User Equipment (UE) requirements for shared spectrum channel access (3GPP TS 37.106 version 17.0.0 Release 17)

TS 137 107 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; Base Station (BS) requirements and conformance tests for shared spectrum channel access (3GPP TS 37.107 version 17.0.0 Release 17)

TS 137 113 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 17.0.0 Release 17)

TS 137 114 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Active Antenna System (AAS) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.114 version 17.0.0 Release 17)

TS 137 141 V15.17.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 15.17.0 Release 15)

TS 137 141 V16.13.1:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA

and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 16.13.1 Release 16)

TS 137 141 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 17.5.0 Release 17)

TS 137 144 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance requirements (3GPP TS 37.144 version 17.0.0 Release 17)

TS 137 145-1 V15.13.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 15.13.0 Release 15)

TS 137 145-1 V16.10.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 16.10.0 Release 16)

TS 137 145-1 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 17.5.0 Release 17)

TS 137 145-2 V15.14.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 15.14.0 Release 15)

TS 137 145-2 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 16.11.0 Release 16)

TS 137 145-2 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 17.5.0 Release 17)

TS 137 171 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA); User Equipment (UE) performance requirements for Radio Access Technology (RAT) Independent Positioning Enhancements (3GPP TS 37.171 version 17.0.0 Release 17)

TS 137 213 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 16.8.0 Release 16)

TS 137 213 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 17.1.0 Release 17)

TS 137 460 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; luan interface: General aspects and principles (3GPP TS 37.460 version 17.0.0 Release 17)

TS 137 461 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; luan interface: Layer 1 (3GPP TS 37.461 version 17.0.0 Release 17)

TS 137 462 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; luan interface: Signalling transport (3GPP TS 37.462 version 17.0.0 Release 17)

TS 137 466 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; luan interface: Application part (3GPP TS 37.466 version 17.0.0 Release 17)

TS 137 470 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; W1 interface; General aspects and principles (3GPP TS 37.470 version 17.0.0 Release 17)

TS 137 471 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN

LTE; 5G; W1 interface; Layer 1 (3GPP TS 37.471 version 17.0.0 Release 17)

TS 137 472 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; W1 interface; Signalling transport (3GPP TS 37.472 version 17.0.0 Release 17)

TS 137 473 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; W1 interface; Application Protocol (W1AP) (3GPP TS 37.473 version 16.8.0 Release 16)

TS 137 473 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; W1 interface; Application Protocol (W1AP) (3GPP TS 37.473 version 17.0.0 Release 17)

TS 137 480 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; E1 general aspects and principles (3GPP TS 37.480 version 17.0.0 Release 17)

TS 137 481 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; E1 layer 1 (3GPP TS 37.481 version 17.0.0 Release 17)

TS 137 482 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; E1 signalling transport (3GPP TS 37.482 version 17.0.0 Release 17)

TS 137 483 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; E1 Application Protocol (E1AP) (3GPP TS 37.483 version 17.0.0 Release 17)

TR 137 900 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Radio Frequency (RF) requirements for Multicarrier and Multiple Radio Access Technology (Multi-RAT) Base Station (BS) (3GPP TR 37.900 version 17.0.0 Release 17)

TR 137 902 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Measurements of User Equipment (UE) radio performances for LTE/UMTS terminals; Total Radiated Power (TRP) and Total Radiated Sensitivity (TRS) test methodology (3GPP TR 37.902 version 17.0.0 Release 17)

TR 137 941 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941

version 17.0.0 Release 17)

TR 137 976 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Measurement of radiated performance for Multiple Input Multiple Output (MIMO) and multi-antenna reception for High Speed Packet Access (HSPA) and LTE terminals (3GPP TR 37.976 version 17.0.0 Release 17)

TR 137 977 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA); Verification of radiated multi-antenna reception performance of User Equipment (UE) (3GPP TR 37.977 version 17.0.0 Release 17)

TR 137 985 V16.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; Overall description of Radio Access Network (RAN) aspects for Vehicle-to-everything (V2X) based on LTE and NR (3GPP TR 37.985 version 16.1.0 Release 16)

TR 137 985 V17.1.1:2022

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; Overall description of Radio Access Network (RAN) aspects for Vehicle-to-everything (V2X) based on LTE and NR (3GPP TR 37.985 version 17.1.1 Release 17)

TS 138 101-1 V15.16.0:2022

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 15.16.0 Release 15)

TS 138 101-1 V16.10.0:2022

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 16.10.0 Release 16)

TS 138 101-2 V15.17.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.17.0 Release 15)

TS 138 101-2 V16.10.1:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.10.1 Release 16)

TS 138 101-2 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.11.0 Release 16)

TS 138 101-2 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 17.5.0 Release 17)

TS 138 101-4 V15.13.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements (3GPP TS 38.101-4 version 15.13.0 Release 15)

TS 138 101-4 V16.8.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements (3GPP TS 38.101-4 version 16.8.0 Release 16)

TS 138 101-4 V17.4.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements (3GPP TS 38.101-4 version 17.4.0 Release 17)

TS 138 104 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.11.0 Release 16)

TS 138 104 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 17.5.0 Release 17)

TS 138 106 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR repeater radio transmission and reception (3GPP TS 38.106 version 17.0.0 Release 17)

TS 138 113 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 17.0.0 Release 17)

TS 138 114 V17.0.1:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Repeaters ElectroMagnetic Compatibility (EMC) (3GPP TS 38.114 version 17.0.1 Release 17)

TS 138 124 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 17.0.0 Release 17)

TS 138 133 V15.16.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements for support of radio

resource management (3GPP TS 38.133 version 15.16.0 Release 15)

TS 138 133 V16.10.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements for support of radio resource management (3GPP TS 38.133 version 16.10.0 Release 16)

TS 138 141-1 V15.12.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 15.12.0 Release 15)

TS 138 141-1 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.11.0 Release 16)

TS 138 141-1 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 17.5.0 Release 17)

TS 138 141-2 V16.11.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.11.0 Release 16)

TS 138 141-2 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 17.5.0 Release 17)

TS 138 151 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) Multiple Input Multiple Output (MIMO) Over-the-Air (OTA) performance requirements (3GPP TS 38.151 version 17.0.0 Release 17)

TS 138 171 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements for support of Assisted Global Navigation Satellite System (A-GNSS) (3GPP TS 38.171 version 17.0.0 Release 17)

TS 138 174 V16.6.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 16.6.0 Release 16)

TS 138 174 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 17.0.0 Release 17)

TS 138 175 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Integrated Access and Backhaul (IAB)
Electromagnetic Compatibility (EMC) (3GPP TS
38.175 version 17.0.0 Release 17)

TS 138 176-1 V16.3.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Integrated Access and Backhaul (IAB)
conformance testing; Part 1: Conducted
conformance testing (3GPP TS 38.176-1 version
16.3.0 Release 16)

TS 138 176-1 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Integrated Access and Backhaul (IAB)
conformance testing; Part 1: Conducted
conformance testing (3GPP TS 38.176-1 version
17.0.0 Release 17)

TS 138 176-2 V16.3.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Integrated Access and Backhaul (IAB)
conformance testing; Part 2: Radiated
conformance testing (3GPP TS 38.176-2 version
16.3.0 Release 16)

TS 138 176-2 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Integrated Access and Backhaul (IAB)
conformance testing; Part 2: Radiated
conformance testing (3GPP TS 38.176-2 version
17.0.0 Release 17)

TS 138 202 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Services provided by the physical layer
(3GPP TS 38.202 version 17.1.0 Release 17)

TS 138 211 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical channels and modulation (3GPP
TS 38.211 version 16.9.0 Release 16)

TS 138 211 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical channels and modulation (3GPP
TS 38.211 version 17.1.0 Release 17)

TS 138 212 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Multiplexing and channel coding (3GPP
TS 38.212 version 16.9.0 Release 16)

TS 138 212 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Multiplexing and channel coding (3GPP
TS 38.212 version 17.1.0 Release 17)

TS 138 213 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for control
(3GPP TS 38.213 version 16.9.0 Release 16)

TS 138 214 V15.16.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for data (3GPP
TS 38.214 version 15.16.0 Release 15)

TS 138 214 V16.9.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for data (3GPP
TS 38.214 version 16.9.0 Release 16)

TS 138 215 V16.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer measurements (3GPP TS
38.215 version 16.5.0 Release 16)

TS 138 215 V17.1.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer measurements (3GPP TS
38.215 version 17.1.0 Release 17)

TS 138 307 V16.10.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements on User Equipments (UEs)
supporting a release-independent frequency band
(3GPP TS 38.307 version 16.10.0 Release 16)

TS 138 307 V17.5.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements on User Equipments (UEs)
supporting a release-independent frequency band
(3GPP TS 38.307 version 17.5.0 Release 17)

TS 138 411 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG layer 1 (3GPP TS 38.411
version 17.0.0 Release 17)

TS 138 412 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG signalling transport (3GPP TS
38.412 version 17.0.0 Release 17)

TS 138 414 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG data transport (3GPP TS
38.414 version 17.0.0 Release 17)

TS 138 421 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn layer 1 (3GPP TS 38.421
version 17.0.0 Release 17)

TS 138 422 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn signalling transport (3GPP TS
38.422 version 17.0.0 Release 17)

TS 138 424 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn data transport (3GPP TS 38.424
version 17.0.0 Release 17)

TS 138 471 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN

5G; NG-RAN; F1 layer 1 (3GPP TS 38.471 version 17.0.0 Release 17)

TS 138 472 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 signalling transport (3GPP TS 38.472 version 17.0.0 Release 17)

TS 138 474 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 data transport (3GPP TS 38.474 version 17.0.0 Release 17)

TS 138 521-2 V16.10.0:2022

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 16.10.0 Release 16)

TS 138 521-4 V16.10.0:2022

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 16.10.0 Release 16)

TS 138 523-1 V16.10.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; LTE; 5GS; User Equipment (UE) conformance specification; Part 1: Protocol (3GPP TS 38.523-1 version 16.10.0 Release 16)

TR 138 901 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on channel model for frequencies from 0.5 to 100 GHz (3GPP TR 38.901 version 17.0.0 Release 17)

TR 141 031 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Fraud Information Gathering System (FIGS); Service requirements; Stage 0 (3GPP TR 41.031 version 17.0.0 Release 17)

TS 141 101 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Technical Specifications and Technical Reports for a GERAN-based 3GPP system (3GPP TS 41.101 version 17.0.0 Release 17)

TS 142 043 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Support of Localised Service Area (SoLSA); Service description; Stage 1 (3GPP TS 42.043 version 17.0.0 Release 17)

TS 142 056 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1 (3GPP TS 42.056 version 17.0.0 Release 17)

TS 142 068 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Voice Group Call Service (VGCS); Stage 1 (3GPP TS 42.068 version 17.0.0 Release 17)

TS 142 069 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Voice Broadcast Service (VBS); Stage 1 (3GPP TS 42.069 version 17.0.0 Release 17)

TS 143 005 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Technical performance objectives (3GPP TS 43.005 version 17.0.0 Release 17)

TS 143 010 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); GSM Public Land Mobile Network (PLMN) connection types (3GPP TS 43.010 version 17.0.0 Release 17)

TS 143 020 V11.4.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Security related network functions (3GPP TS 43.020 version 11.4.0 Release 11)

TS 143 020 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Security related network functions (3GPP TS 43.020 version 17.0.0 Release 17)

TS 143 045 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Technical realization of facsimile group 3 transparent (3GPP TS 43.045 version 17.0.0 Release 17)

TS 143 068 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Voice Group Call Service (VGCS); Stage 2 (3GPP TS 43.068 version 17.0.0 Release 17)

TS 143 069 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Voice Broadcast Service (VBS); Stage 2 (3GPP TS 43.069 version 17.0.0 Release 17)

TS 143 073 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Support of Localised Service Area (SoLSA); Stage 2 (3GPP TS 43.073 version 17.0.0 Release 17)

TS 144 001 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station - Base Station System (MS - BSS) interface; General aspects and principles (3GPP TS 44.001 version 17.0.0 Release 17)

TS 144 013 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Performance requirements on the mobile radio interface (3GPP TS 44.013 version 17.0.0 Release 17)

TS 144 021 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Rate adaption on the Mobile Station - Base Station System (MS - BSS) interface (3GPP TS 44.021 version 17.0.0 Release 17)

TS 144 056 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); GSM Cordless Telephony System (CTS), Phase 1; CTS radio interface layer 3 specification (3GPP TS 44.056 version 17.0.0 Release 17)

TS 144 057 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); GSM Cordless Telephony System (CTS), Phase 1; CTS supervising system layer 3 specification (3GPP TS 44.057 version 17.0.0 Release 17)

TS 144 064 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station - Serving GPRS Support Node (MS-SGSN); Logical Link Control (LLC) Layer Specification (3GPP TS 44.064 version 17.0.0 Release 17)

TS 144 065 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP) (3GPP TS 44.065 version 17.0.0 Release 17)

TS 144 068 V17.0.0:2022

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

2+) (GSM); Group Call Control (GCC) protocol (3GPP TS 44.068 version 17.0.0 Release 17)

TS 144 069 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Broadcast Call Control (BCC) protocol (3GPP TS 44.069 version 17.0.0 Release 17)

TS 148 020 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Rate adaption on the Base Station System - Mobile-services Switching Centre (BSS - MSC) interface (3GPP TS 48.020 version 17.0.0 Release 17)

TS 149 008 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Application of the Base Station System Application Part (BSSAP) on the E interface (3GPP TS 49.008 version 17.0.0 Release 17)

TS 151 010-4 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) conformance specification; Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 51.010-4 version 17.0.0 Release 17)

TS 151 013 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card (3GPP TS 51.013 version 17.0.0 Release 17)

TS 155 205 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8 (3GPP TS 55.205 version 17.0.0 Release 17)

TS 155 216 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); 3G Security; Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 1: A5/3 and GEA3 specifications (3GPP TS 55.216 version 17.0.0 Release 17)

TS 155 217 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); 3G Security; Specification of the A5/3

encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 2: Implementers' test data (3GPP TS 55.217 version 17.0.0 Release 17)

TS 155 218 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); 3G Security; Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 3: Design conformance test data (3GPP TS 55.218 version 17.0.0 Release 17)

TS 155 226 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); 3G Security; Specification of the A5/4 Encryption Algorithms for GSM and ECSD, and the GEA4 Encryption Algorithm for GPRS (3GPP TS 55.226 version 17.0.0 Release 17)

TS 155 236 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Specification of A8_V MILENAGE Algorithm: An example algorithm for the key generation function A8_V (3GPP TS 55.236 version 17.0.0 Release 17)

TS 155 241 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GIA4 integrity algorithm for General Packet Radio Service (GPRS); GIA4 specification (3GPP TS 55.241 version 17.0.0 Release 17)

TS 155 242 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GIA4 integrity algorithm for General Packet Radio Service (GPRS); Implementers' test data (3GPP TS 55.242 version 17.0.0 Release 17)

TS 155 243 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GIA4 integrity algorithm for General Packet Radio Service (GPRS); Design conformance test data (3GPP TS 55.243 version 17.0.0 Release 17)

TS 155 251 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GEA5 and GIA5 encryption algorithms for General Packet Radio Service (GPRS); GEA5 and GIA5 algorithm specification (3GPP TS 55.251 version 17.0.0 Release 17)

TS 155 252 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GEA5 encryption and GIA5 integrity algorithms for General Packet Radio Service (GPRS); Implementers' test data (3GPP TS 55.252 version 17.0.0 Release 17)

TS 155 253 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GEA5 encryption and GIA5 integrity algorithms for General Packet Radio Service (GPRS); Design conformance test data (3GPP TS 55.253 version 17.0.0 Release 17)

TR 155 919 V17.0.0:2022

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); 3G Security; Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report (3GPP TR 55.919 version 17.0.0 Release 17)

TS 186 001-5 V2.4.1:2022

Comitet Tehnic ETSI: INT
Core Network and Interoperability Testing (INT); Network Integration Testing between SIP and ISDN/PSTN network signalling protocols; Part 5: Test Suite Structure and Test Purposes (TSS&TP)

ES 201 873-5 V4.9.1:2022

Comitet Tehnic ETSI: MTS
Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 5: TTCN-3 Runtime Interface (TRI)

ES 201 873-6 V4.13.1:2022

Comitet Tehnic ETSI: MTS
Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 6: TTCN-3 Control Interface (TCI)

ES 201 873-7 V4.10.1:2022

Comitet Tehnic ETSI: MTS
Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 7: Using ASN.1 with TTCN-3

ES 202 781 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: Configuration and Deployment Support

ES 202 784 V1.9.1:2022

Comitet Tehnic ETSI: MTS
Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3;

Buletinul Standardizării – **Mai 2022**
TTCN-3 Language Extensions: Advanced
Parameterization

ES 202 786 V1.5.1:2022

Comitet Tehnic ETSI: MTS
Methods for Testing and Specification (MTS); The
Testing and Test Control Notation version 3;
TTCN-3 Language Extensions: Support of
interfaces with continuous signals

ES 202 789 V1.6.1:2022

Comitet Tehnic ETSI: MTS
Methods for Testing and Specification (MTS); The
Testing and Test Control Notation version 3;
TTCN-3 Language Extensions: Extended TRI

ES 203 022 V1.5.1:2022

Comitet Tehnic ETSI: MTS
Methods for Testing and Specification (MTS); The
Testing and Test Control Notation version 3;
TTCN-3 Language extension: Advanced Matching

ES 203 228 V1.4.1:2022

Comitet Tehnic ETSI: EE EEPS
Environmental Engineering (EE); Assessment of
mobile network energy efficiency

ES 203 790 V1.4.1:2022

Comitet Tehnic ETSI: MTS
Methods for Testing and Specification (MTS); The

Testing and Test Control Notation version 3;
TTCN-3 Language Extensions: Object-Oriented
Features

ES 205 200-3-2 V1.1.1:2022

Comitet Tehnic ETSI: ATTM AT2
Access, Terminals, Transmission and Multiplexing
(ATTM); Carbon Intensity Management;
Operational infrastructures; Implementation of
Global KPIs; Part 3: ICT Sites; Sub-part 2: DCCM

EN 300 338-7 V1.1.1:2022

Comitet Tehnic ETSI: ERM TGMARINE
Technical characteristics and methods of
measurement for equipment for generation,
transmission and reception of Digital Selective
Calling (DSC) in the maritime MF, MF/HF and/or
VHF mobile service; Part 7: Implementation of
Bridge Alert Management (BAM) in DSC radio
equipment

EN 303 213-5-2 V1.1.1:2022

Comitet Tehnic ETSI: ERM TGAERO
Advanced Surface Movement Guidance and
Control System (A-SMGCS); Part 5: Harmonised
Standard for access to radio spectrum for
Multilateration (MLAT) equipment; Sub-part 2:
Reference and Vehicle Transmitters

 **PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE EUROPENE**
CEN SUPUSE ANCHETEI PUBLICE

În perioada **2022.04.01 – 2022.04.29**

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observații orice persoană fizică sau juridică, la adresa 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/TR 6026

Electronic fee collection - Pre-study on the use of
vehicle licence plate information and automatic
number plate recognition (ANPR) technologies
(ISO/PRF TR 6026:2022)
dea: 2022-07-11

prEN 9116

Aerospace Series - Supplier Notice of Change
(NOC)
dea: 2022-07-07

FprCEN/TR 15120

Tanks for transport of dangerous goods -
Guidance and recommendations for loading,
transport and unloading
dea: 2022-07-21

01.040 Vocabulare

01.040.77 Metalurgie (Vocabulare)

prEN ISO 3252

Powder metallurgy - Vocabulary (ISO/DIS
3252:2022)
dea: 2022-07-12

01.100 Desene tehnice

01.100.01 Desene tehnice în general

prEN ISO 128-3

Technical product documentation (TPD) - General
principles of representation - Part 3: Views,
sections and cuts (ISO/FDIS 128-3:2022)
dea: 2022-07-12

prEN 15016-1

Railway applications - Technical documents - Part
1: General principles
dea: 2022-07-14

prEN 15016-2

Railway applications - Technical documents - Part 2: Parts lists
dea: 2022-07-14

prEN 15016-3

Railway applications - Technical documents - Part 3: Handling of modifications of technical documents
dea: 2022-07-14

03.080 Servicii**03.080.30 Servicii pentru consumatori****prEN 16194**

Mobile non-sewer-connected toilet cabins - Requirements of services and products relating to the deployment of cabins and sanitary products
dea: 2022-07-14

03.100 Organizarea si managementul întreprinderii. Sisteme de management**03.100.01 Organizarea si managementul întreprinderii în general****prEN ISO 56007**

Innovation management - Tools and methods for idea management - Guidance (ISO/DIS 56007:2022)
dea: 2022-07-01

03.100.30 Managementul resurselor umane**prEN ISO 8586**

Sensory analysis - General guidelines for the selection, training and monitoring of selected assessors and expert sensory assessors (ISO/DIS 8586:2022)
dea: 2022-07-08

prEN 17678-2

Installation of post-tensioned kits for prestressing of structures – Part 2: Assessment of personnel
dea: 2022-06-30

03.100.40 Cercetare si dezvoltare**prEN ISO 56007**

Innovation management - Tools and methods for idea management - Guidance (ISO/DIS 56007:2022)
dea: 2022-07-01

03.120 Calitate**03.120.20 Certificarea produselor si a întreprinderilor. Evaluarea conformitatii****prEN ISO/IEC 17043**

Conformity assessment - General requirements for proficiency testing (ISO/IEC/DIS 17043:2022)
dea: 2022-07-20

03.220 Transport**03.220.01 Transport în general****prEN ISO 21177**

Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices (ISO/DIS 21177:2022)
dea: 2022-07-04

03.220.20 Transport rutier**prEN ISO 12813**

Electronic fee collection — Compliance check communication for autonomous systems (ISO/DIS 12813:2022)
dea: 2022-07-19

03.240 Servicii postale**prEN 14534**

Postal services - Quality of service - Measurement of the transit time of end-to-end services for bulk mail
dea: 2022-07-21

prEN 17837

Postal Services - Parcel Delivery Environmental Footprint - Methodology for calculation and declaration of GHG emissions and air pollutants of parcel logistics delivery services
dea: 2022-07-14

11.040 Echipament medical**11.040.10 Echipament pentru anestezie, respiratie si reanimare****prEN ISO 80601-2-72**

Medical electrical equipment - Part 2-72: Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients (ISO/DIS 80601-2-72:2022)
dea: 2022-07-19

11.040.40 Implanturi chirurgicale, proteze si orteze**prEN ISO 22523**

External limb prostheses and external orthoses - Requirements and test methods (ISO/DIS 22523:2022)
dea: 2022-07-18

11.060 Stomatologie

11.060.01 Stomatologie în general

prEN ISO 13078-3

Dentistry - Dental furnace - Part 3: Test method for evaluation of high temperature sintering furnace measurement with separate thermocouple (ISO/DIS 13078-3:2022)
dea: 2022-07-11

11.060.10 Materiale dentare

prEN ISO 3990

Dentistry - Evaluation of antibacterial activity of dental restorative materials, luting cements, fissure sealants and orthodontic bonding or luting materials (ISO/DIS 3990:2022)
dea: 2022-07-07

prEN ISO 23401-1

Dentistry - Chairside denture base relining materials - Part 1: Hard type materials (ISO/DIS 23401-1:2022)
dea: 2022-07-14

11.080 Sterilizare si dezinfectare

11.080.20 Dezinfectante si antiseptice

FprCEN/TR 17825

Chemical disinfectants and antiseptics - Interpretation of water controls in EN 16615:2015
dea: 2022-07-14

11.200 Controlul nasterilor. Contraceptive mecanice

prEN ISO 7439

Copper-bearing contraceptive intrauterine devices - Requirements and tests (ISO/DIS 7439:2022)
dea: 2022-07-07

13.020 Protectia mediului

13.020.60 Ciclul de viata al produselor

prEN 17837

Postal Services - Parcel Delivery Environmental Footprint - Methodology for calculation and declaration of GHG emissions and air pollutants of parcel logistics delivery services
dea: 2022-07-14

13.030 Deseuri

13.030.01 Deseuri în general

FprCEN/TS 17847

Characterization of waste - Determination of selected low boiling point alcohols using gas chromatography with flame ionization detection after static head-space extraction (HS-GC-FID)
dea: 2022-07-14

13.060 Calitatea apei

13.060.20 Apa potabila

prEN 17818

Devices for in-situ generation of biocides - Active chlorine generated from sodium chloride by electrolysis
dea: 2022-06-30

13.220 Protectia contra incendiilor

13.220.10 Lupta contra incendiilor

prEN 1846-2

Firefighting and rescue service vehicles - Part 2: Common requirements - Safety and performance
dea: 2022-07-14

13.220.20 Protectia contra incendiilor

prEN 14972-11

Fixed firefighting systems - Water mist systems - Part 11: Test protocol for cable tunnels for open nozzle systems
dea: 2022-07-14

prEN 14972-17

Fixed firefighting systems - Water mist systems - Part 17: Test protocol for residential occupancies for automatic nozzle systems
dea: 2022-07-14

prEN 14972-6

Fixed firefighting systems - Water mist systems - Part 6: Test protocol for false floors and false ceilings for automatic nozzle systems
dea: 2022-07-14

prEN 14972-7

Fixed firefighting systems - Water mist systems - Part 7: Test protocol for commercial low hazard occupancies for automatic nozzle systems
dea: 2022-07-14

13.220.50 Rezistenta la foc a materialelor si a elementelor de constructii

prEN 1364-6

Fire resistance tests for non-loadbearing elements - Part 6: Cavity barriers
dea: 2022-07-07

13.220.99 Alte standarde referitoare la protectia contra incendiilor

prEN 14972-17

Fixed firefighting systems - Water mist systems - Part 17: Test protocol for residential occupancies for automatic nozzle systems
dea: 2022-07-14

17.180 Optica si masurari optice

17.180.20 Culori si masurarea luminii

prEN ISO/CIE/DIS 11664-6

Colorimetry - Part 6: CIEDE2000 Colour-difference formula (ISO/CIE FDIS- 11664-6:2022)
dea: 2022-07-12

21.060 Elemente de asamblare**21.060.20 Piulite****prEN ISO 4032**

Fasteners - Hexagon regular nuts (style 1) (ISO/DIS 4032:2022)
dea: 2022-07-13

prEN ISO 4033

Fasteners - Hexagon high nuts (style 2) (ISO/DIS 4033:2022)
dea: 2022-07-13

prEN ISO 4035

Fasteners - Hexagon thin nuts (style 0) (ISO/DIS 4035:2022)
dea: 2022-07-13

prEN ISO 8673

Fasteners - Hexagon regular nuts (style 1), with fine pitch thread (ISO/DIS 8673:2022)
dea: 2022-07-13

prEN ISO 8674

Fasteners - Hexagon high nuts (style 2), with fine pitch thread (ISO/DIS 8674:2022)
dea: 2022-07-13

prEN ISO 8675

Fasteners - Hexagon thin nuts (style 0), with fine pitch thread (ISO/DIS 8675:2022)
dea: 2022-07-20

21.100 Lagare si rulmenti**21.100.20 Rulmenti****prEN ISO 683-17**

Heat-treated steels, alloy steels and free-cutting steels - Part 17: Ball and roller bearing steels (ISO/DIS 683-17:2022)
dea: 2022-07-19

23.040 Conducte si accesorii**23.040.40 Racorduri metalice****prEN 10242**

Threaded pipe fitting in malleable cast iron
dea: 2022-07-14

prEN 10284

Malleable cast iron fittings with compression ends for polyethylene (PE) piping systems
dea: 2022-07-14

prEN 10344

Malleable cast iron fittings with compression ends for steel pipes
dea: 2022-07-14

23.040.70 Furtunuri flexibile**prEN 14585-1 rev**

Corrugated metal hose assemblies for pressure applications
dea: 2022-07-14

25.160 Sudare si lipire**25.160.20 Materiale pentru sudare****prEN ISO 3581**

Welding consumables - Covered electrodes for manual metal arc welding of stainless and heat-resisting steels - Classification (ISO/DIS 3581:2022)
dea: 2022-07-12

27.190 Energie biologica si alte surse de energie alternativa**prEN ISO 17225-8**

Solid biofuels - Fuel specifications and classes - Part 8: Graded thermally treated and densified biomass fuels for commercial and industrial use (ISO/DIS 17225-8:2022)
dea: 2022-07-14

35.030 Securitatea IT**prEN ISO 21177**

Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices (ISO/DIS 21177:2022)
dea: 2022-07-04

EN ISO/IEC 29134:2020/prA1

Information technology - Security techniques - Guidelines for privacy impact assessment - Amendment 1 (ISO/IEC 29134:2017/DAM 1:2022)
dea: 2022-07-11

35.240 Aplicatii privind tehnologia informatiei**35.240.60 Aplicatii IT în transport****prEN ISO 12813**

Electronic fee collection — Compliance check communication for autonomous systems (ISO/DIS 12813:2022)
dea: 2022-07-19

prEN ISO 21177

Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices (ISO/DIS

45.020 Ingineria cailor ferate în general

prEN 15016-1

Railway applications - Technical documents - Part 1: General principles

dea: 2022-07-14

prEN 15016-2

Railway applications - Technical documents - Part 2: Parts lists

dea: 2022-07-14

prEN 15016-3

Railway applications - Technical documents - Part 3: Handling of modifications of technical documents

dea: 2022-07-14

45.040 Materiale si componente pentru cai ferate

prEN 13979-1

Railway applications - Wheelsets and bogies - Monobloc Wheels - Technical approval procedure - Part 1: Forged and rolled wheels

dea: 2022-07-07

prEN 15313

Railway applications - In-service wheelset operation requirements - In-service and off-vehicle wheelset maintenance

dea: 2022-07-07

45.060 Material rulant pentru cai ferate

45.060.01 Material rulant pentru cai ferate în general

FprCEN/TS 17843

Railway applications - Investigations on vehicles to quantify track loading in curve radii below 250 m

dea: 2022-07-14

47.060 Nave de navigatie interioara

prEN 13281

Inland navigation vessels - Safety requirements for walkways and working places

dea: 2022-06-30

49.025 Materiale pentru aeronautica

49.025.99 Alte materiale

prEN 3628

Aerospace series - Lockwire, drawn - Corrosion resisting steel

dea: 2022-07-21

49.060 Echipament electric

prEN 2591-508

Aerospace series - Elements of electrical and optical connection - Part 508: Measurement of thickness of coating on contacts - Test methods

dea: 2022-07-21

prEN 2591-509

Aerospace series - Elements of electrical and optical connection - Part 509: Adhesion of coating on contacts - Test methods

dea: 2022-07-21

prEN 2997-004

Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak - Part 004: Jam-nut mounted receptacle - Product standard

dea: 2022-07-21

prEN 2997-006

Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak - Part 006: Hermetic jam-nut mounted receptacle - Product standard

dea: 2022-07-21

prEN 4703

Aerospace series - Test specification for verification of the permeability of electrical insulation

dea: 2022-07-21

49.090 Echipamente si instrumente de bord

prEN 2591-508

Aerospace series - Elements of electrical and optical connection - Part 508: Measurement of thickness of coating on contacts - Test methods

dea: 2022-07-21

prEN 2591-509

Aerospace series - Elements of electrical and optical connection - Part 509: Adhesion of coating on contacts - Test methods

dea: 2022-07-21

prEN 3745-306

Aerospace series - Fibres and cables, optical, aircraft use - Test methods - Part 306: Variation of attenuation during temperature cycling

dea: 2022-07-21

53.040 Echipamente pentru transport continuu

53.040.20 Componente pentru transportoare

prEN ISO 283

Textile conveyor belts - Full thickness tensile

strength, elongation at break and elongation at the reference load - Test method (ISO/DIS 283:2022)
dea: 2022-07-15

65.060 Masini si echipamente agricole

65.060.99 Alte masini si echipamente agricole

prEN ISO 4254-19

Agricultural machinery - Safety - Part 19: Feed mixing machines (ISO/DIS 4254-19:2022)
dea: 2022-07-06

65.160 Tutun, produse din tutun si echipamente pentru industria tutunului

FprCEN/TS 17633

General principles and requirements for testing of quality and nicotine levels of electronic cigarette liquids
dea: 2022-06-30

67.240 Analiza senzoriala

prEN ISO 8586

Sensory analysis - General guidelines for the selection, training and monitoring of selected assessors and expert sensory assessors (ISO/DIS 8586:2022)
dea: 2022-07-08

71.100 Produse din industria chimica

71.100.80 Produse chimice pentru purificarea apei

prEN 17841

Chemicals used for treatment of water intended for human consumption - Antifouling for membranes – Sulfamic acid
dea: 2022-07-07

75.160 Combustibili

75.160.10 Combustibili solizi

prEN 1860-2

Appliances, solid fuels and firelighters for barbecuing - Part 2: Barbecue charcoal and barbecue charcoal briquettes - Requirements and test methods
dea: 2022-07-07

prEN 1860-3

Appliances, solid fuels and firelighters for barbecuing - Part 3: Firelighters for igniting solid fuels for use in barbecues and grill applications - Requirements and test methods
dea: 2022-07-07

prEN 1860-4

Appliances, solid fuels and firelighters for

barbecuing - Part 4: Single use barbecues burning solid fuels - Requirements and test methods
dea: 2022-07-07

75.160.20 Combustibili lichizi

prEN 16906

Liquid petroleum products - Determination of the ignition quality of diesel fuels - Fixed compression ratio engine method
dea: 2022-06-30

75.160.40 Biocombustibili

prEN ISO 17225-8

Solid biofuels - Fuel specifications and classes - Part 8: Graded thermally treated and densified biomass fuels for commercial and industrial use (ISO/DIS 17225-8:2022)
dea: 2022-07-14

77.140 Produse din otel si fonta

77.140.10 Oteluri pentru tratament termic

prEN ISO 683-17

Heat-treated steels, alloy steels and free-cutting steels - Part 17: Ball and roller bearing steels (ISO/DIS 683-17:2022)
dea: 2022-07-19

EN 10025-4:2019/prA1

Hot rolled products of structural steels - Part 4: Technical delivery conditions for thermomechanical rolled weldable fine grain structural steels
dea: 2022-06-30

EN 10025-6:2019/prA1

Hot rolled products of structural steels - Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition
dea: 2022-06-30

EN 10225-3:2019/prA1

Weldable structural steels for fixed offshore structures - Technical delivery conditions - Part 3: Hot finished hollow sections
dea: 2022-06-30

77.140.50 Produse si semi-produse plate din otel

EN 10025-4:2019/prA1

Hot rolled products of structural steels - Part 4: Technical delivery conditions for thermomechanical rolled weldable fine grain structural steels
dea: 2022-06-30

EN 10025-6:2019/prA1

Hot rolled products of structural steels - Part 6:

Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition
dea: 2022-06-30

77.160 Metalurgia pulberilor

prEN ISO 3252

Powder metallurgy - Vocabulary (ISO/DIS 3252:2022)
dea: 2022-07-12

81.040 Sticla

81.040.20 Sticla pentru constructii

prEN 17839

Glass in building - Glazing and airborne sound insulation - Validation procedure for calculation tools
dea: 2022-07-14

83.080 Materiale plastice

83.080.01 Materiale plastice, în general

prEN ISO 179-1

Plastics - Determination of Charpy impact properties - Part 1: Non-instrumented impact test (ISO/DIS 179-1:2022)
dea: 2022-07-05

prEN ISO 180

Plastics - Determination of Izod impact strength (ISO/DIS 180:2022)
dea: 2022-07-06

prEN ISO 6603-2

Plastics - Determination of puncture impact behaviour of rigid plastics - Part 2: Instrumented impact testing (ISO/DIS 6603-2:2022)
dea: 2022-07-11

83.200 Echipament pentru industria cauciucului si industria de mase plastice

prEN ISO 23582-1

Plastics and rubber machines - Clamping systems - Part 1: Safety requirements for magnetic clamping systems (ISO/DIS 23582-1:2022)
dea: 2022-07-06

87.040 Vopsele si emailuri

prEN ISO 1518-1

Paints and varnishes - Determination of scratch resistance - Part 1: Constant-loading method (ISO/DIS 1518-1:2022)
dea: 2022-07-22

prEN ISO 2811-1

Paints and varnishes - Determination of density - Part 1: Pycnometer method (ISO/DIS 2811-

1:2022)
dea: 2022-07-08

prEN ISO 7784-1

Paints and varnishes - Determination of resistance to abrasion - Part 1: Method with abrasive-paper covered wheels and rotating test specimen (ISO/DIS 7784-1:2022)
dea: 2022-07-22

prEN ISO 7784-2

Paints and varnishes - Determination of resistance to abrasion - Part 2: Method with abrasive rubber wheels and rotating test specimen (ISO/DIS 7784-2:2022)
dea: 2022-07-22

91.010 Constructii civile în general

91.010.30 Aspecte tehnice referitoare la constructii

FprCEN/TS 1993-1-101

Eurocode 3: Design of steel structures - Part 1-101: Alternative interaction method for members in bending and compression
dea: 2022-07-21

FprCEN/TS 19101

Design of fibre-polymer composite structures
dea: 2022-07-21

91.010.99 Alte aspecte

prEN 17840

Performance and condition assessment for buildings and civil engineering works - Framework for assessment within physical asset management
dea: 2022-07-21

91.040 Cladiri

91.040.99 Alte cladiri

prEN 16194

Mobile non-sewer-connected toilet cabins - Requirements of services and products relating to the deployment of cabins and sanitary products
dea: 2022-07-14

91.060 Elemente ale constructiilor

91.060.99 Alte elemente ale constructiilor

prEN 1364-6

Fire resistance tests for non-loadbearing elements - Part 6: Cavity barriers
dea: 2022-07-07

91.080 Structuri de constructii

91.080.13 Structuri de otel

FprCEN/TS 1993-1-101

Eurocode 3: Design of steel structures - Part 1-101: Alternative interaction method for members in bending and compression
dea: 2022-07-21

91.080.40 Structuri de beton

prEN 17678-2

Installation of post-tensioned kits for prestressing of structures – Part 2: Assessment of personnel
dea: 2022-06-30

91.100 Materiale de constructii

91.100.30 Beton si produse din beton

prEN 17808

Precast concrete products - Essential characteristics
dea: 2022-07-14

91.120 Protectia exterioara si interioara a cladirilor

91.120.10 Izolatie termica

prEN ISO 52016-3

Energy performance of buildings - Energy needs for heating and cooling, internal temperatures and sensible and latent heat loads - Part 3: Calculation procedures regarding adaptive building envelope elements (ISO/DIS 52016-3:2022)
dea: 2022-07-14

91.120.20 Acustica în cladiri. Izolatie fonica

prEN 17839

Glass in building - Glazing and airborne sound insulation - Validation procedure for calculation tools
dea: 2022-07-14

93.020 Lucrari de terasament. Excavatii. Fundatii. Lucrari subterane

prEN ISO 22476-5

Geotechnical investigation and testing - Field testing - Part 5: Prebored pressuremeter test (ISO/DIS 22476-5:2022)
dea: 2022-07-04

prEN ISO 22477-2

Geotechnical investigation and testing - Testing of geotechnical structures - Part 2: Testing of piles: static tension load testing (ISO/DIS 22477-2:2022)
dea: 2022-07-05

93.025 Sisteme de transport exterioare pentru apa

prEN 805

Water supply - Requirements for systems and components outside buildings
dea: 2022-07-21

97.040 Echipament de bucatarie

97.040.20 Aragaze, aparate de încălzire, cuptoare si aparate similare

prEN 1860-4

Appliances, solid fuels and firelighters for barbecuing - Part 4: Single use barbecues burning solid fuels - Requirements and test methods
dea: 2022-07-07

97.130 Amenajarea magazinelor

97.130.20 Aparate de racit comerciale

prEN ISO 6369

Ice makers for commercial use - Classification, requirements and test conditions (ISO/DIS 6369:2022)
dea: 2022-07-11

97.220 Echipamente si instalatii sportive

97.220.30 Echipamente de sport pentru sala

prEN ISO 20957-2

Stationary training equipment - Part 2: Strength training equipment, additional specific safety requirements and test methods (ISO/DIS 20957-2:2022)
dea: 2022-07-06

prEN ISO 20957-7

Stationary training equipment - Part 7: Rowing equipment, additional specific safety requirements and test methods (ISO/DIS 20957-7:2022)
dea: 2022-07-06

În perioada **2022.04.01 – 2022.04.29**

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observații orice persoană fizică sau juridică, la adresa 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 50292:2022

Electrical apparatus for the detection of carbon monoxide in domestic premises, caravans and boats - Guide on the selection, installation, use and maintenance
dea: 2022-07-15

prEN IEC 63345:2022

Energy Efficiency Systems - Simple External Consumer Display
dea: 2022-07-15

11.040 Echipament medical

11.040.30 Instrumente si materiale chirurgicale

EN IEC 60601-2-2:2018/prA1:2022

Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories
dea: 2022-07-08

13.280 Protectia contra radiatiilor

prEN IEC 61031:2022

Nuclear facilities - Instrumentation and control systems - Design, location and application criteria for installed area gamma radiation dose rate monitoring equipment for use during normal operation and anticipated operational occurrences
dea: 2022-07-01

17.200 Termodinamica si masurari de temperatura

17.200.99 Alte standarde referitoare la termodinamica

prEN IEC 61340-4-7:2022

Electrostatics - Part 4-7: Standard test methods for specific applications - Ionization
dea: 2022-07-01

19.080 Încercari electrice si electronice

prEN IEC 61010-031:2022

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 031: Safety requirements for hand-held probe

assemblies for electrical measurement and test
dea: 2022-06-24

prEN IEC 61010-2-034:2022

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength
dea: 2022-06-24

27.120 Energie nucleara

27.120.10 Reactoare nucleare

prEN IEC 61031:2022

Nuclear facilities - Instrumentation and control systems - Design, location and application criteria for installed area gamma radiation dose rate monitoring equipment for use during normal operation and anticipated operational occurrences
dea: 2022-07-01

27.120.20 Centrale nucleare. Securitate

prEN IEC 62988:2022

Nuclear power plants - Instrumentation and control systems important to safety - Selection and use of wireless devices
dea: 2022-07-01

29.020 Electrotehnica în general

prEN IEC 61340-4-7:2022

Electrostatics - Part 4-7: Standard test methods for specific applications - Ionization
dea: 2022-07-01

prEN IEC 62305-4:2022

Protection against lightning - Part 4: Electrical and electronic systems within structures
dea: 2022-07-15

prEN IEC 62561-4:2022

Lightning protection system components (LPSC) - Part 4: Requirements for conductor fasteners
dea: 2022-07-22

29.080 Izolatii electrice

29.080.10 Izolatoare

prEN IEC 60383-1:2022

Insulators for overhead lines with a nominal voltage above 1000 V - Part 1: Ceramic or glass insulator units for a.c. systems - Definitions, test methods and acceptance criteria
dea: 2022-07-01

prEN IEC 60437:2022

Radio interference test on high-voltage insulators
dea: 2022-06-24

29.120 Accesorii electrice**29.120.50 Sigurante fuzibile si alte aparate de protectie la scurtcircuit****prEN IEC 60127-1:2022**

Miniature fuses - Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links
dea: 2022-07-01

29.240 Retele de transport si distributie a energiei electrice**29.240.20 Linii de transport si distributie a energiei electrice****prEN IEC 60383-1:2022**

Insulators for overhead lines with a nominal voltage above 1000 V - Part 1: Ceramic or glass insulator units for a.c. systems - Definitions, test methods and acceptance criteria
dea: 2022-07-01

31.060 Condensatoare**prEN IEC 62146-2:2022**

Grading capacitors for high-voltage alternating current circuit-breakers - Part 2: TRV capacitors
dea: 2022-07-15

31.060.70 Condensatoare de putere**prEN IEC 62146-2:2022**

Grading capacitors for high-voltage alternating current circuit-breakers - Part 2: TRV capacitors
dea: 2022-07-15

31.080 Dispozitive cu semiconductoare**31.080.01 Dispozitive cu semiconductoare în general****EN 62007-1:2015/prA1:2022**

Semiconductor optoelectronic devices for fibre optic system applications - Part 1: Specification template for essential ratings and characteristics
dea: 2022-07-15

31.260 Optoelectronica. Aparate cu laser**EN 62007-1:2015/prA1:2022**

Semiconductor optoelectronic devices for fibre optic system applications - Part 1: Specification template for essential ratings and characteristics
dea: 2022-07-15

33.080 Retele integrate de servicii digitale (ISDN)**prEN IEC 63365:2022**

Digital Nameplate - Digital Product Marking
dea: 2022-06-24

33.100 Compatibilitate electromagnetica (EMC)**33.100.20 Imunitate****prEN IEC 61000-4-6:2022**

Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
dea: 2022-07-08

33.180 Comunicatii prin fibra optica**33.180.01 Sisteme cu fibra optica în general****prEN IEC 61744:2022**

Calibration of fibre optic chromatic dispersion test sets
dea: 2022-07-22

EN 62007-1:2015/prA1:2022

Semiconductor optoelectronic devices for fibre optic system applications - Part 1: Specification template for essential ratings and characteristics
dea: 2022-07-15

33.180.20 Dispozitive de interconectare prin fibre optice**EN 62148-12:2004/prA1:2022**

Fibre optic active components and devices - Package and interface standards - Part 12: Laser transmitters with a coaxial RF connector
dea: 2022-07-15

59.080 Produse din industria textila**59.080.01 Textile în general****prEN IEC 63203-204-1:2022**

Wearable electronic devices and technologies - Part 204-1: Electronic textile - Test method for assessing washing durability of e-textile products
dea: 2022-07-15

59.080.80 Textile inteligente

Buletinul Standardizării – **Mai 2022**

prEN IEC 63203-204-1:2022

Wearable electronic devices and technologies -
Part 204-1: Electronic textile - Test method for
assessing washing durability of e-textile products
dea: 2022-07-15

71.040 Chimie analitica

**71.040.10 Laboratoare de analize
chimice. Echipament de laborator**

prEN IEC 61010-2-034:2022

Safety requirements for electrical equipment for
measurement, control, and laboratory use - Part
2-034: Particular requirements for measurement
equipment for insulation resistance and test
equipment for electric strength
dea: 2022-06-24

**91.120 Protectia exterioara si interioara a
cladirilor**

91.120.40 Protectia împotriva trasnetelor

prEN IEC 62305-4:2022

Protection against lightning - Part 4: Electrical and
electronic systems within structures
dea: 2022-07-15

prEN IEC 62561-4:2022

Lightning protection system components (LPSC) -
Part 4: Requirements for conductor fasteners
dea: 2022-07-22



**PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE
EUROPENE ETSI SUPUSE ANCHETEI PUBLICE**

În perioada **2022.04.01 – 2022.04.29**

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observații orice persoană fizică sau juridică, la adresa 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 303 687 V1.0.0

Comitet Tehnic ETSI: BRAN
6 GHz WAS/RLAN Harmonised Standard for

access to radio spectrum
dea: 2022-07-26

STANDARDIZAREA INTERNAȚIONALĂ

Informațiile din această secțiune se referă la activitatea din cadrul Organizației Internaționale de Standardizare (ISO) și a Comisiei Electrotehnice Internaționale (IEC).

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

ISO	standard internațional ISO (de exemplu, ISO 9001)
IEC	standard internațional IEC (de exemplu, IEC 60050)
ISO/TS, IEC/TS	specificație tehnică ISO, IEC
ISO/TR, IEC/TR	raport tehnic ISO, IEC
ISO/PAS, IEC PAS	specificație disponibilă publicului ISO, IEC
IWA	acordul unui workshop ISO, IEC
ISO/DIS	proiect de standarde internațional ISO
dea	termenul limită de vot



STANDARDE / DOCUMENTE DE STANDARDIZARE INTERNAȚIONALE ISO APROBATE

În perioada **2022.04.01 – 2022.04.29**

ISO/CASCO COMITETUL DE EVALUARE A CONFORMITATII

ISO/IEC 17060:2022

Conformity assessment — Code of good practice

ISO/IEC JTC 1 TEHNOLOGIA INFORMATIEI

ISO/IEC 7816-11:2022

Identification cards — Integrated circuit cards — Part 11: Personal verification through biometric methods

ISO/IEC 18033-7:2022

Information security — Encryption algorithms — Part 7: Tweakable block ciphers

ISO/IEC 19944-2:2022

Cloud computing and distributed platforms — Data flow, data categories and data use — Part 2: Guidance on application and extensibility

ISO/IEC 23003-7:2022

Information technology — MPEG audio technologies — Part 7: Unified speech and audio coding conformance testing

ISO/IEC 23091-3:2018/Amd 1:2022

Information technology — Coding-independent code points — Part 3: Audio — Amendment 1: Headphone support

ISO/IEC 23634:2022

Information technology — Automatic identification and data capture techniques — JAB Code polychrome bar code symbology specification

ISO/IEC 38507:2022

Information technology — Governance of IT — Governance implications of the use of artificial intelligence by organizations

ISO/TC 5 TEVI DIN METALE FEROASE SI RACORDURI METALICE

ISO 23991:2022

Irrigation applications of ductile iron pipelines — Product design and installation

ISO/TC 6 HÂRTIE, CARTON SI CELULOZA

ISO 8784-3:2022

Pulp, paper and board — Microbiological examination — Part 3: Enumeration of yeast and mould based on disintegration

ISO/TC 8 NAVE SI TEHNOLOGIE MARITIMA

ISO 799-3:2022

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

ISO 7547:2022

Ships and marine technology — Air-conditioning and ventilation of accommodation spaces and other enclosed compartments on board ships — Design conditions and basis of calculations

ISO 23730:2022

Marine technology — Marine environment impact assessment (MEIA) — General technical requirements

ISO/TC 17 OTEL

ISO 4968:2022

Steel — Macrographic examination by sulphur print (Baumann method)

ISO/TC 20 AERONAUTICA SI SPATIU

ISO 22893:2022

Space systems — Software product assurance (SPA)

ISO 23835:2022

Space Systems — Mechanism design and verification

ISO/TC 21 ECHIPAMENT DE PROTECTIE LA FOC SI DE STINGERE A INCENDIULUI

ISO/TR 7240-9:2022

Fire detection and alarm systems — Part 9: Test fires for fire detectors

ISO/TC 22 VEHICULE RUTIERE

ISO/TS 5385:2022

Road vehicles — Anti-fog coating for exterior lighting devices — Specification

ISO 7141:2022

Road vehicles — Light alloy wheels — Lateral impact test

ISO 11010-1:2022

Passenger cars — Simulation model classification — Part 1: Vehicle dynamics

ISO 14229-5:2022

Road vehicles — Unified diagnostic services (UDS) — Part 5: Unified diagnostic services on Internet Protocol implementation (UDSonIP)

ISO 14229-7:2022

Road vehicles — Unified diagnostic services (UDS) — Part 7: UDS on local interconnect network (UDSonLIN)

ISO 15118-20:2022

Road vehicles — Vehicle to grid communication interface — Part 20: 2nd generation network layer and application layer requirements

ISO 16844-2:2022

Road vehicles — Tachograph systems — Part 2: Recording unit communication interface

ISO 17447-1:2022

Road Vehicles — Glow plugs with conical seating and their cylinder head housing — Part 1: Basic characteristics and dimensions for metal-sheath-type glow plugs

ISO/TC 34 PRODUSE ALIMENTARE

ISO 5984:2022

Animal feeding stuffs — Determination of crude ash

ISO/TR 21380:2022

Matcha tea — Definition and characteristics

ISO/TC 38 TEXTILE

ISO 24040:2022

Textiles — Determination of certain benzotriazole compounds

ISO/TC 39 MASINI-UNELTE

ISO 28881:2022

Machine tools — Safety — Electrical discharge machines

ISO/TC 44 SUDARE SI PROCEDEE CONEXE

ISO 17405:2022

Non-destructive testing — Ultrasonic testing — Technique of testing claddings produced by welding, rolling and explosion

ISO/TC 45 ELASTOMERI SI PRODUSE PE BAZA DE ELASTOMERI

ISO 2782-1:2022

Rubber, vulcanized or thermoplastic — Determination of permeability to gases — Part 1: Differential-pressure methods

ISO 6101-3:2022

Rubber — Determination of metal content by atomic absorption spectrometry — Part 3: Determination of copper content

ISO 6101-4:2022

Rubber — Determination of metal content by atomic absorption spectrometry — Part 4: Determination of manganese content

ISO 18064:2022

Thermoplastic elastomers — Nomenclature and abbreviated terms

ISO/TC 48 STICLARIE DE LABORATOR SI APARATE CONEXE

ISO 8655-1:2022

Piston-operated volumetric apparatus — Part 1: Terminology, general requirements and user recommendations

ISO 8655-2:2022

Piston-operated volumetric apparatus — Part 2: Pipettes

ISO 8655-3:2022

Piston-operated volumetric apparatus — Part 3: Burettes

ISO 8655-4:2022

Piston-operated volumetric apparatus — Part 4: Dilutors

ISO 8655-5:2022

Piston-operated volumetric apparatus — Part 5: Dispensers

ISO 8655-6:2022

Piston-operated volumetric apparatus — Part 6: Gravimetric reference measurement procedure for the determination of volume

ISO 8655-7:2022

Piston-operated volumetric apparatus — Part 7: Alternative measurement procedures for the determination of volume

ISO 8655-8:2022

Piston-operated volumetric apparatus — Part 8: Photometric reference measurement procedure for the determination of volume

ISO 8655-9:2022

Piston-operated volumetric apparatus — Part 9: Manually operated precision laboratory syringes

ISO/TC 59 CONSTRUCTII IMOBILIARE**ISO 22057:2022**

Sustainability in buildings and civil engineering works — Data templates for the use of environmental product declarations (EPDs) for construction products in building information modelling (BIM)

ISO/TC 61 MATERIALE PLASTICE**ISO 4765:2022**

Chemically-induced ultra-weak photon emission (UPE) — Measurement as an analysis method of degradation of polymeric material

ISO 24360:2022

Composites and reinforcements fibres — Carbon fibre reinforced plastics (CFRPs) and metal assemblies — Determination of the cross tension strength

ISO/TS 28660:2022

Plastics — Determination of J-R curves — Fracture toughness

ISO/TC 67 MATERIALE, ECHIPAMENT SI STRUCTURI MARINE PENTRU INDUSTRIILE PETROLULUI SI GAZELOR NATURALE**ISO 13503-3:2022**

Petroleum and natural gas industries — Completion fluids and materials — Part 3: Testing of heavy brines

ISO/TC 68 SERVICII FINANCIARE**ISO 3531-1:2022**

Financial services — Financial information eXchange session layer — Part 1: FIX tagvalue encoding

ISO 3531-2:2022

Financial services — Financial information eXchange session layer — Part 2: FIX session layer

ISO 3531-3:2022

Financial services — Financial information eXchange session layer — Part 3: FIX session layer test cases

ISO 9362:2022

Banking — Banking telecommunication messages — Business identifier code (BIC)

ISO/TC 70 MOTOARE CU ARDERE INTERNA**ISO 7967-10:2022**

Reciprocating internal combustion engines — Vocabulary of components and systems — Part 10: Ignition systems

ISO 7967-6:2022

Reciprocating internal combustion engines — Vocabulary of components and systems — Part 6: Lubricating systems

ISO/TC 79 METALE USOARE SI ALIAJELE LOR**ISO 23515:2022**

Titanium and titanium alloys — Designation system

ISO/TC 84 DISPOZITIVE PENTRU ADMINISTRAREA PRODUSELOR MEDICALE SI CATETERE INTRAVASCULARE**ISO 11608-1:2022**

Needle-based injection systems for medical use — Requirements and test methods — Part 1: Needle-based injection systems

ISO 11608-2:2022

Needle-based injection systems for medical use — Requirements and test methods — Part 2: Double-ended pen needles

ISO 11608-3:2022

Needle-based injection systems for medical use — Requirements and test methods — Part 3: Containers and integrated fluid paths

ISO 11608-4:2022

Needle-based injection systems for medical use — Requirements and test methods — Part 4:

Needle-based injection systems containing electronics

ISO 11608-5:2022

Needle-based injection systems for medical use — Requirements and test methods — Part 5: Automated functions

ISO 11608-6:2022

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

ISO/TC 85 ENERGIE NUCLEARA

ISO 10645:2022

Nuclear energy — Light water reactors — Decay heat power in non-recycled nuclear fuels

ISO/ASTM 51310:2022

Practice for use of a radiochromic optical waveguide dosimetry system

ISO/TC 87 PLUTA

ISO 9727-8:2022

Cylindrical cork stoppers — Physical tests — Part 8: Determination of capillarity

ISO/TC 92 SECURITATE LA INCENDIU

ISO 12863:2022

Standard test method for assessing the ignition propensity of cigarettes

**ISO/TC 94 SECURITATEA PERSOANEI-
ÎMBRACAMINTE SI ECHIPAMENTE
DE PROTECTIE**

ISO 23616:2022

Cleaning, inspection and repair of firefighters' personal protective equipment (PPE)

ISO/TC 104 CONTAINERE

ISO 6346:2022

Freight containers — Coding, identification and marking

**ISO/TC 107 ACOPERIRI METALICE SI ALTE
ACOPERIRI ANORGANICE**

ISO 4531:2022

Vitreous and porcelain enamels — Release from enamelled articles in contact with food — Methods of test and limits

**ISO/TC 108 VIBRATII SI SOCURI
MECANICE**

ISO 10813-4:2022

Vibration generating machines — Guidance for selection — Part 4: Equipment for multi-axial environmental testing

ISO/TS 22704:2022

Mechanical vibration — Uncertainty of the measurement and evaluation of human exposure to vibration

ISO/TC 123 LAGARE

ISO 22507:2022

Plain bearings — Fluid film bearing materials for vehicular turbocharger

ISO/TC 130 TEHNOLOGIE GRAFICA

ISO/TS 18621-11:2022

Graphic technology — Image quality evaluation methods for printed matter — Part 11: Colour gamut analysis

**ISO/TC 131 SISTEME HIDRAULICE SI
PNEUMETICE**

ISO 8132:2022

Hydraulic fluid power — Mounting dimensions for accessories for single rod cylinders, 16 MPa (160 bar) medium and 25 MPa (250 bar) series

ISO/TC 146 CALITATEA AERULUI

ISO 23320:2022

Workplace air — Gases and vapours — Requirements for evaluation of measuring procedures using diffusive samplers

ISO 23435:2022

Air quality — Test methods for snow depth sensors

ISO/TC 159 ERGONOMIE

ISO/TR 9241-311:2022

Ergonomics of human-system interaction — Part 311: Application of ISO 9241-307: LCD screens for workstations

ISO/TC 172 OPTICA SI FOTONICA

ISO 9022-3:2022

Optics and photonics — Environmental test methods — Part 3: Mechanical stress

ISO/TS 22247:2022

Optics and photonics — Effective numerical aperture of laser lenses — Definition and verification procedure

**ISO/TC 173 PRODUSE AJUTATOARE
PENTRU PERSOANE CU
DEFICIENTE SAU HANDICAP**

ISO 7176-19:2022

Wheelchairs — Part 19: Wheelchairs for use as seats in motor vehicles

**ISO/TC 178 ASCENSOARE, SCARI
RULANTE, TROTUARE RULANTE****ISO/TR 14799-1:2022**

Comparison of worldwide escalator and moving walk safety standards — Part 1: Clause by clause comparison

**ISO/TC 184 SISTEME DE AUTOMATIZARI
INDUSTRIALE SI STRUCTURI DE
INTEGRARE****ISO 8000-1:2022**

Data quality — Part 1: Overview

ISO/TC 188 NAVE MICI**ISO 8848:2022**

Small craft — Remote mechanical steering systems

ISO/TC 193 GAZE NATURALE**ISO 20765-5:2022**

Natural gas — Calculation of thermodynamic properties — Part 5: Calculation of viscosity, Joule-Thomson coefficient, and isentropic exponent

**ISO/TC 201 ANALIZE CHIMICE DE
SUPRAFATA****ISO/TS 22933:2022**

Surface chemical analysis — Secondary ion mass spectrometry — Method for the measurement of mass resolution in SIMS

ISO/TC 202 ANALIZE MICROBIENE**ISO 23749:2022**

Microbeam analysis — Electron backscatter diffraction — Quantitative determination of austenite in steel

**ISO/TC 204 SISTEME INTELIGENTE DE
TRANSPORT****ISO 5345:2022**

Intelligent transport systems — Identifiers

ISO/TC 207 MANAGEMENTUL MEDIULUI**ISO/TS 14029:2022**

Environmental statements and programmes for products — Mutual recognition of environmental product declarations (EPDs) and footprint communication programmes

**ISO/TC 212 LABORATOARE DE ANALIZE
BIOLOGICE MEDICALE SI
SISTEME DE DIAGNOSTICARE IN
VITRO****ISO/TS 5798:2022**

In vitro diagnostic test systems — Requirements and recommendations for detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) by nucleic acid amplification methods

ISO/TC 220 RECIPIENTE CRIOGENICE**ISO 20421-1:2019/Amd 1:2022**

Cryogenic vessels — Large transportable vacuum-insulated vessels — Part 1: Design, fabrication, inspection and testing — Amendment 1

ISO/TC 221 GEOSINTETICE**ISO/TR 18228-9:2022**

Design using geosynthetics — Part 9: Barriers

**ISO/TC 254 SECURITATEA PLIMBARILOR
DE AGREMENT SI A
DISPOZITIVELOR DE AGREMENT****ISO 17842-2:2022**

Safety of amusement rides and amusement devices — Part 2: Operation and use

ISO 17842-3:2022

Safety of amusement rides and amusement devices — Part 3: Requirements for inspection during design, manufacture, operation and use

**ISO/TC 260 MANAGEMENTUL
RESURSELOR UMANE****ISO 30401:2018/Amd 1:2022**

Knowledge management systems — Requirements — Amendment 1

ISO/TC 261 FABRICATIA ADITIVA**ISO/ASTM 52925:2022**

Additive manufacturing of polymers — Feedstock materials — Qualification of materials for laser-based powder bed fusion of parts

ISO/TC 297**ISO/TS 24159:2022**

Refuse collection vehicles — Safety of manual and rear-loaded refuse collection vehicles

ISO/PC 311**ISO 22458:2022**

Consumer vulnerability — Requirements and guidelines for the design and delivery of inclusive service


În perioada 2022.04.01 – 2022.04.29
**IEC/TC 100 SISTEME SI ECHIPAMENTE
 AUDIO, VIDEO SI MULTIMEDIA**
IEC 63033-1:2022

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

IEC 63033-2:2022

 Multimedia Systems and equipment for vehicle -
 Surround view system - Part 2: Recording
 methods of the surround view system

IEC 63033-3:2022

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

IEC 63033-4:2022

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

IEC/TC 17 APARATAJ ELECTRIC
IEC 62271-102:2018/A1:2022

 Amendment 1 - High-voltage switchgear and
 controlgear - Part 102: Alternating current
 disconnectors and earthing switches

IEC 62271-102:2018+A1:2022 CSV

 High-voltage switchgear and controlgear - Part
 102: Alternating current disconnectors and
 earthing switches

**IEC/TC 100 SISTEME SI ECHIPAMENTE
 AUDIO, VIDEO SI MULTIMEDIA**
IEC 62623:2022

 Desktop and notebook computers - Measurement
 of energy consumption

IEC/TC 20 CABLURI ELECTRICE
IEC 62067:2022

 Power cables with extruded insulation and their
 accessories for rated voltages above 150 kV (U_m
 = 170 kV) up to 500 kV (U_m = 550 kV) - Test
 methods and requirements

IEC/TC 23 ACCESORII ELECTRICE
IEC 62196-6:2022

 Plugs, socket-outlets, vehicle connectors and
 vehicle inlets - Conductive charging of electric
 vehicles - Part 6: Dimensional compatibility
 requirements for DC pin and contact-tube vehicle
 couplers intended to be used for DC EV supply

 equipment where protection relies on electrical
 separation

IEC/TC 29 ELECTROACUSTICA
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

**IEC/TC 34 LAMPI SI ECHIPAMENTUL
 ASOCIAT**
IEC 60810:2017/A2:2022

 Amendment 2 - Lamps, light sources and LED
 packages for road vehicles - Performance
 requirements

IEC 60810:2017+A1:2019+A2:2022 CSV

 Lamps, light sources and LED packages for road
 vehicles - Performance requirements

**IEC/TC 47 DISPOZITIVE CU
 SEMICONDUCTOARE**
IEC 60747-5-4:2022

 Semiconductor devices - Part 5-4: Optoelectronic
 devices - Semiconductor lasers

IEC 60749-10:2022

 Semiconductor devices - Mechanical and climatic
 test methods - Part 10: Mechanical shock - device
 and subassembly

IEC 63275-1:2022

 Semiconductor devices - Reliability test method
 for silicon carbide discrete metal-oxide
 semiconductor field effect transistors - Part 1: Test
 method for bias temperature instability

IEC 63284:2022

 Semiconductor devices - Reliability test method
 by inductive load switching for gallium nitride
 transistors

**IEC/TC 51 COMPONENTE MAGNETICE SI
 FERITE**
IEC 63093-10:2022

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

**IEC/TC 61 SECURITATEA APARATELOR
 ELECTRICE DE UZ CASNIC**

IEC 60335-2-115:2021/C1:2022

Corrigendum 1 - Household and similar electrical appliances - Safety - Part 2-115: Particular requirements for skin beauty care appliances

IEC/TC 86 FIBRE OPTICE**IEC 60794-1-310:2022**

Optical fibre cables - Part 1-310: Generic specification - Basic optical cable test procedures - Cable element test methods - Strippability, method G10

IEC 60794-3-40:2022

Optical fibre cables - Part 3-40: Outdoor cables - Family specification for cables for storm and sanitary sewers

IEC 61300-1:2022

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

IEC/TC 91 TEHNOLOGIA ASAMBLARII COMPONENTELOR ELECTRONICE**IEC TR 62878-2-9:2022**

Device embedding assembly technology - Part 2-9: Guidelines - Concept of JISSO level in the electronic assembly technology industries

IEC/TC 101 ELECTROSTATICA**IEC 61340-5-3:2022**

Electrostatics - Part 5-3: Protection of electronic devices from electrostatic phenomena - Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices

IEC 61340-5-3:2022 CMV

Electrostatics - Part 5-3: Protection of electronic devices from electrostatic phenomena - Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices

IEC/TC 103 ECHIPAMENTE DE TRANSMISIE PENTRU RADIOCOMUNICATII**IEC TR 63352:2022**

Transmitting and receiving equipment for radiocommunication - Radio spectrum measurement method - 300-GHz spectrum measurement equipment

IEC/TC 112 EVALUAREA SI CALIFICAREA MATERIALELOR IZOLATOARE ELECTRICE SI A SISTEMELOR**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

IEC/TC 113 STANDARDIZAREA ÎN DOMENIUL NANOTEHNOLOGIEI PENTRU PRODUSE SI SISTEME ELECTRICE SI ELECTRONICE**IEC TS 62565-5-2:2022**

Nanomanufacturing - Material specifications - Part 5-2: Nano-enabled electrodes of electrochemical capacitors - Blank detail specification

IEC/TC 114 ENERGIE MARINA. CONVERTOARE DE ENRGIE A VALURILOR SI MAREELOR**IEC TS 62600-202:2022**

Marine energy - Wave, tidal and other water current converters - Part 202: Early stage development of tidal energy converters - Best practices and recommended procedures for the testing of pre-prototype scale devices

IEC/TC 116 SECURITATEA UNELTELOR ELECTRICE CU MOTOR PORTABILE**IEC 62841-3-5:2022**

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-5: Particular requirements for transportable band saws

IEC 63370:2022

Lithium-ion batteries and charging systems - Safety

IEC/TC 120**IEC TS 62933-2-2:2022**

Electrical energy storage (EES) systems - Part 2-2: Unit parameters and testing methods - Application and performance testing

IEC/TC 124**IEC 63203-201-1:2022**

Wearable electronic devices and technologies - Part 201-1: Electronic textile - Measurement methods for basic properties of conductive yarns

IEC 63203-201-2:2022

Wearable electronic devices and technologies - Part 201-2: Electronic textile - Measurement methods for basic properties of conductive fabrics and insulation materials



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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.

**ISO/CASCO COMITETUL DE EVALUARE A
 CONFORMITATII**

media format
 dea: 2022-07-14

ISO/IEC DIS 17043

Conformity assessment — General requirements for the competence of proficiency testing providers
 dea: 2022-07-20

ISO/IEC DIS 23093-4

Information technology — Internet of media things — Part 4: Reference software and conformance
 dea: 2022-07-19

ISO/IEC JTC 1 TEHNOLOGIA INFORMATIEI

ISO/IEC DIS 9660

Information processing — Volume and file structure of CD-ROM for information interchange
 dea: 2022-07-04

ISO/IEC DIS 24661

Information technology — User interfaces — Full duplex speech interaction
 dea: 2022-07-13

ISO/IEC 18013-2:2020/DAmD 1

Personal identification — ISO-compliant driving licence — Part 2: Machine-readable technologies — Amendment 1: DG11 length for compact encoding
 dea: 2022-07-11

ISO/IEC 29134:2017/DAmD 1

Information technology — Security techniques — Guidelines for privacy impact assessment — Amendment 1
 dea: 2022-07-11

ISO/IEC 18013-3:2017/DAmD 2

Information technology — Personal identification — ISO-compliant driving licence — Part 3: Access control, authentication and integrity validation — Amendment 2: Certificate hash for compact encoding
 dea: 2022-07-11

ISO/TC 2 ELEMENTE DE ASAMBLARE

ISO/DIS 4032

Fasteners — Hexagon regular nuts (style 1)
 dea: 2022-07-13

ISO/DIS 4033

Fasteners — Hexagon high nuts (style 2)
 dea: 2022-07-13

ISO/DIS 4035

Fasteners — Hexagon thin nuts (style 0)
 dea: 2022-07-13

ISO/IEC DIS 19566-8

Information technologies — JPEG systems — Part 8: JPEG Snack
 dea: 2022-07-15

ISO/DIS 8673

Fasteners — Hexagon regular nuts (style 1), with fine pitch thread
 dea: 2022-07-13

ISO/IEC 21122-2:2022/DAmD 1

Information technology — JPEG XS low-latency lightweight image coding system — Part 2: Profiles and buffer models — Amendment 1: Profile and sublevel for 4:2:0 content
 dea: 2022-07-13

ISO/DIS 8674

Fasteners — Hexagon high nuts (style 2), with fine pitch thread
 dea: 2022-07-13

ISO/IEC DIS 23001-11

Information technology — MPEG systems technologies — Part 11: Energy-efficient media consumption (green metadata)
 dea: 2022-07-11

ISO/DIS 8675

Fasteners — Hexagon thin nuts (style 0), with fine pitch thread
 dea: 2022-07-20

ISO/IEC DIS 23090-2

Information technology — Coded representation of immersive media — Part 2: Omnidirectional

ISO/TC 8 NAVE SI TEHNOLOGIE MARITIMA

ISO/DIS 4679

Ships and marine technology — Hydraulic

performance tests for waterjet propulsion system
dea: 2022-07-06

ISO/DIS 24409-4

Ships and marine technology — Design, location and use of shipboard safety signs, fire control plan signs, safety notices and safety markings — Part 4: Escape plan signs used for general emergency information
dea: 2022-07-05

ISO/TC 17 OTEL

ISO/DIS 683-17

Heat-treatable steels, alloy steels and free-cutting steels — Part 17: Ball and roller bearing steels
dea: 2022-07-19

ISO/TC 20 AERONAUTICA SI SPATIU

ISO/DIS 23230

Space systems — Paints and varnishes — Processes, procedures, and requirements for coating materials and coatings
dea: 2022-07-11

ISO/DIS 24412

Space systems — Thermal vacuum environmental testing
dea: 2022-07-15

ISO/DIS 27996

Aerospace fluid systems — Elastomer seals — Storage and shelf life
dea: 2022-07-15

ISO/TC 22 VEHICULE RUTIERE

ISO/DIS 15830-3

Road vehicles — Design and performance specifications for the WorldSID 50th percentile male side-impact dummy — Part 3: Mechanical requirements for electronic subsystems
dea: 2022-07-01

ISO/TC 23 TRACTOARE SI MATERIALE AGRICOLE SI FORESTIERE

ISO/DIS 4254-19

Agricultural machinery — Safety — Part 19: Feed mixing machines
dea: 2022-07-06

ISO/DIS 16399

Meters for irrigation water
dea: 2022-07-05

ISO/DIS 21622-3

Irrigation techniques — Remote monitoring and control for irrigation — Part 3: Interoperability
dea: 2022-07-08

ISO/TC 24 SITE, CERNERE SI ALTE METODE DE SEPARARE GRANULOMETRICA

ISO/DIS 13319-2

Determination of particle size distribution — Electrical sensing zone method — Part 2: Tuneable resistive pulse sensing method
dea: 2022-07-11

ISO/TC 31 ANVELOPE, JANTE SI VALVE

ISO/DIS 4250-1

Earth-mover tyres and rims — Part 1: Tyre designation and dimensions
dea: 2022-07-07

ISO/DIS 4250-2

Earth-mover tyres and rims — Part 2: Loads and inflation pressures
dea: 2022-07-07

ISO/TC 34 PRODUSE ALIMENTARE

ISO/DIS 8586

Sensory analysis — General guidelines for the selection, training and monitoring of selected assessors and expert sensory assessors
dea: 2022-07-08

ISO/DIS 24363

Determination of fatty acid methyl esters (cis and trans) and squalene in olive oil and other vegetable oils by gas chromatography
dea: 2022-07-08

ISO/TC 35 VOPSELE SI LACURI

ISO/DIS 2811-1

Paints and varnishes — Determination of density — Part 1: Pycnometer method
dea: 2022-07-08

ISO/DIS 8130-16

Coating powders — Part 16: Determination of density by liquid displacement in a measuring cylinder
dea: 2022-07-08

ISO/TC 37 TERMINOLOGIE SI ALTE RESURSE LINGVISTICE

ISO/DIS 639-4

Code for the representation of individual languages and language groups — Part 4: General principles, rules and guidelines
dea: 2022-07-04

ISO/TC 41 ROTI SI CURELE (INCLUSIV CURELE TRAPEZOIDALE)

ISO/DIS 283

Textile conveyor belts — Full thickness tensile

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strength, elongation at break and elongation at the reference load — Test method
dea: 2022-07-15

ISO/TC 44 SUDARE SI PROCEDEE CONEXE

ISO/DIS 3581

Welding consumables — Covered electrodes for manual metal arc welding of stainless and heat-resisting steels — Classification
dea: 2022-07-12

ISO/TC 45 ELASTOMERI SI PRODUSE PE BAZA DE ELASTOMERI

ISO/DIS 2322

Styrene-butadiene rubber (SBR) — Emulsion- and solution-polymerized types — Evaluation procedures
dea: 2022-07-04

ISO/DIS 24087

Rubber, vulcanized — Determination of the glass transition temperature and enthalpy by differential scanning calorimetry (DSC)
dea: 2022-07-21

ISO/TC 46 INFORMARE SI DOCUMENTARE

ISO/DIS 16245

Information and documentation — Boxes, file covers and other enclosures, made from cellulosic materials, for storage of paper and parchment documents
dea: 2022-07-07

ISO/TC 61 MATERIALE PLASTICE

ISO/DIS 179-1

Plastics — Determination of Charpy impact properties — Part 1: Non-instrumented impact test
dea: 2022-07-05

ISO/DIS 180

Plastics — Determination of Izod impact strength
dea: 2022-07-06

ISO/DIS 3616

Textile glass — Chopped-strand and continuous-filament mats — Determination of average thickness, thickness under load and recovery after compression
dea: 2022-07-05

ISO/DIS 5677

Testing and characterization of mechanically recycled Polypropylene (PP) and Polyethylene (PE) for intended use in different plastics processing techniques
dea: 2022-07-20

ISO/DIS 6603-2

Plastics — Determination of puncture impact behaviour of rigid plastics — Part 2: Instrumented

impact testing
dea: 2022-07-11

ISO/DIS 22007-7

Plastics — Determination of thermal conductivity and thermal diffusivity — Part 7: Measurement of thermal effusivity using a regularly-shaped transient plane source probe
dea: 2022-07-13

ISO 22841:2021/DAMd 1

Composites and reinforcements fibres — Carbon fibre reinforced plastics (CFRPs) and metal assemblies — Determination of the tensile lap-shear strength — Amendment 1: Precision data
dea: 2022-07-08

ISO/TC 69 APLICATII ALE METODELOR STATISTICE

ISO/DIS 5725-1

Accuracy (trueness and precision) of measurement methods and results — Part 1: General principles and definitions
dea: 2022-07-07

ISO/TC 70 MOTOARE CU ARDERE INTERNA

ISO/DIS 4548-14

Methods of test for full-flow lubricating oil filters for internal combustion engines — Part 14: Cold start simulation and hydraulic pulse durability for composite filter housings
dea: 2022-07-21

ISO/TC 82 EXPLOATARI MINIERE-ÎN AȘTEPTARE

ISO/DIS 24419-1

Mine closure and reclamation – Managing mining legacies — Part 1: Requirements and recommendations
dea: 2022-07-08

ISO/TC 83 ECHIPAMENTE PENTRU SPORT SI RECREERE

ISO/DIS 20957-2

Stationary training equipment — Part 2: Strength training equipment, additional specific safety requirements and test methods
dea: 2022-07-06

ISO/DIS 20957-7

Stationary training equipment — Part 7: Rowing equipment, additional specific safety requirements and test methods
dea: 2022-07-06

ISO/TC 85 ENERGIE NUCLEARA

ISO 11311:2011/DAMd 1

Nuclear criticality safety — Critical values for homogeneous plutonium-uranium oxide fuel

mixtures outside of reactors — Amendment 1:
Corrections and clarifications
dea: 2022-07-15

**ISO/TC 86 TEHNICA FRIGULUI SI
CLIMATIZARE**

ISO/DIS 5222-1

Heat recovery ventilators and energy recovery ventilators — Testing and calculating methods for seasonal performance factor — Part 1: Sensible heating recovery seasonal performance factors of HRV

dea: 2022-07-14

ISO/DIS 6369

Ice makers for commercial use — Classification, requirements and test conditions

dea: 2022-07-11

**ISO/TC 94 SECURITATEA PERSOANEI-
ÎMBRACAMINTE SI ECHIPAMENTE
DE PROTECTIE**

ISO/DIS 16976-5

Respiratory protective devices — Human factors — Part 5: Thermal effects

dea: 2022-07-04

ISO/DIS 16976-7

Respiratory protective devices — Human factors — Part 7: Hearing and speech

dea: 2022-07-04

ISO/TC 106 STOMATOLOGIE

ISO/DIS 3990

Dentistry — Evaluation of antibacterial activity of dental restorative materials, luting cements, fissure sealants and orthodontic bonding or luting materials

dea: 2022-07-07

ISO/DIS 13078-3

Dentistry — Dental furnace — Part 3: Test method for evaluation of high temperature sintering furnace measurement with separate thermocouple

dea: 2022-07-11

ISO/DIS 23401-1

Dentistry — Chairside denture base relining materials — Part 1: Hard type materials

dea: 2022-07-14

**ISO/TC 110 CARUCIOARE DE
MANIPULARE**

ISO/DIS 22915-10

Industrial trucks — Verification of stability — Part 10: Additional stability test for trucks operating in the special condition of stacking with load laterally

displaced by powered devices

dea: 2022-07-07

ISO/DIS 22915-20

Industrial trucks — Verification of stability — Part 20: Additional stability test for trucks operating in the special condition of offset load, offset by utilization

dea: 2022-07-07

ISO/TC 119 METALURGIA PULBERILOR

ISO/DIS 3252

Powder metallurgy — Vocabulary

dea: 2022-07-12

**ISO/TC 121 ECHIPAMENTE PENTRU
ANESTEZIE SI REANIMARE**

ISO/DIS 80601-2-72

Medical electrical equipment — Part 2-72: Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients

dea: 2022-07-19

ISO/TC 123 LAGARE

ISO/DIS 7148-1

Plain bearings — Testing of the tribological behaviour of bearing materials — Part 1: Testing of bearing metals

dea: 2022-07-20

ISO/DIS 7148-2

Plain bearings — Testing of the tribological behaviour of bearing materials — Part 2: Testing of polymer-based bearing materials

dea: 2022-07-20

**ISO/TC 131 SISTEME HIDRAULICE SI
PNEUMETICE**

ISO/DIS 5352

Hydraulic fluid power — Determining discharge flow rate and thermal losses of gas loaded accumulators

dea: 2022-07-11

ISO/DIS 6953-1

Pneumatic fluid power — Compressed air pressure regulators and filter-regulators — Part 1: Main characteristics to include in supplier's literature and product-marking requirements

dea: 2022-07-11

ISO/DIS 6953-2

Pneumatic fluid power — Compressed air pressure regulators and filter-regulators — Part 2: Test methods to determine the main characteristics to include in supplier's literature

dea: 2022-07-12

ISO/TC 132 FEROALIAJE

ISO/DIS 5451

Ferrovandium — Specification and conditions of delivery

dea: 2022-07-06

**ISO/TC 133 SISTEME SI DESEMNAAREA
MARIMILOR IMBRACAMINTEI - IN
ASTEPTARE**

ISO/DIS 20947-3

Performance evaluation protocol for digital fitting systems — Part 3: Digital fitting performance

dea: 2022-07-11

ISO/TC 135 EXAMINARI NEDISTRUCTIVE

ISO/DIS 24647

Non-destructive testing — Robotic ultrasonic test systems — General requirements

dea: 2022-07-13

ISO/TC 136 MOBILIER

ISO/DIS 19682

Furniture — Tables — Test methods for the determination of stability, strength and durability

dea: 2022-07-06

**ISO/TC 137 SISTEM DE DESEMNAAREA A
MARIMILOR SI MARCARE PENTRU
ÎNCALTAMINTE - IN ASTEPTARE**

ISO/DIS 19407

Footwear — Sizing — Conversion of sizing systems

dea: 2022-07-19

ISO/DIS 19408

Footwear — Sizing — Vocabulary and terminology

dea: 2022-07-20

**ISO/TC 138 TEVI, FITINGURI SI ROBINETE
DE MATERIALE PLASTICE
PENTRU TRANSPORTUL
FLUIDELOR**

ISO/DIS 4981

Plastic piping systems for non-pressure underground conveyance and storage of non-potable water — Boxes used for retention, detention, transportation and storage systems — Specifications for storm water boxes made of PP and PVC-U

dea: 2022-07-18

ISO/DIS 4982

Plastics piping systems for non-pressure underground conveyance and storage of non-potable water — Arch-shaped, corrugated wall chambers made of PE or PP used for retention, detention, transportation and storage systems —

Product specifications and performance criteria
dea: 2022-07-18

ISO/TC 146 CALITATEA AERULUI

ISO/DIS 16000-44

Indoor air — Part 44: Test method for measuring perceived indoor air quality for use in testing the performance of gas phase air cleaners

dea: 2022-07-06

ISO/TC 157 CONTRACEPTIVE MECANICE

ISO/DIS 7439

Copper-bearing contraceptive intrauterine devices — Requirements and tests

dea: 2022-07-07

**ISO/TC 161 ARZATOARE CU
COMBUSTIBIL GAZOS SAU LICHID
SI DISPOZITIVE PENTRU
ARZATOARE CU COMBUSTIBIL
LICHID SAU GAZOS**

ISO/DIS 23551-12

Safety and control devices for gas burners and gas-burning appliances — Particular requirements — Part 12: Multifunctional controls with integral overpressure protection safety function for use with butane gas cartridge used in portable gas appliances

dea: 2022-07-20

ISO/DIS 23551-8

Safety and control devices for gas burners and gas-burning appliances — Particular requirements — Part 8: Multifunctional controls

dea: 2022-07-20

ISO/TC 162 USI SI FERESTRE

ISO/DIS 6612

Windows and doors — Resistance to wind load — Test method

dea: 2022-07-01

ISO/DIS 6613

Windows and doors — Air permeability — Test method

dea: 2022-07-01

ISO/DIS 8270

Windows and doors — Determination of the resistance to soft and heavy body impact for doors

dea: 2022-07-01

ISO/DIS 8275

Hinged or pivoted doors — Determination of the resistance to vertical load

dea: 2022-07-01

**ISO/TC 163 PERFORMANTA TERMICA SI
UTILIZAREA ENERGIEI TERMICE
ÎN CLADIRI**

ISO/DIS 52016-3

Energy performance of buildings — Energy needs for heating and cooling, internal temperatures and sensible and latent heat loads — Part 3: Calculation procedures regarding adaptive building envelope elements
dea: 2022-07-14

**ISO/TC 167 STRUCTURI DE OTEL SI
ALUMINIU**

ISO/DIS 17607-1

Steel structures — Execution of structural steelwork — Part 1: General requirements and vocabulary
dea: 2022-07-21

ISO/DIS 17607-2

Steel structures — Execution of structural steelwork — Part 2: Steels
dea: 2022-07-21

ISO/DIS 17607-3

Steel structures — Execution of structural steelwork — Part 3: Fabrication
dea: 2022-07-21

ISO/DIS 17607-4

Steel structures — Execution of structural steelwork — Part 4: Erection
dea: 2022-07-21

ISO/DIS 17607-5

Steel structures — Execution of structural steelwork — Part 5: Welding
dea: 2022-07-21

ISO/DIS 17607-6

Steel structures — Execution of structural steelwork — Part 6: Bolting
dea: 2022-07-21

ISO/TC 168 PROTEZE SI ORTEZE

ISO/DIS 22523

External limb prostheses and external orthoses — Requirements and test methods
dea: 2022-07-18

ISO/DIS 29782

Prostheses and orthoses — Factors to be considered when specifying a prosthesis for a person who has had a lower limb amputation
dea: 2022-07-11

ISO/TC 172 OPTICA SI FOTONICA

ISO/DIS 8600-4

Endoscopes — Medical endoscopes and

endotherapy devices — Part 4: Determination of maximum width of insertion portion
dea: 2022-07-13

ISO/TC 181 SECURITATEA JUCARIILOR

ISO 8124-3:2020/DAmD 1

Safety of toys — Part 3: Migration of certain elements — Amendment 1: Title missing
dea: 2022-07-08

ISO/DIS 8124-2

Safety of toys — Part 2: Flammability
dea: 2022-07-08

ISO/TC 182 GEOTEHNICA

ISO/DIS 22476-5

Geotechnical investigation and testing — Field testing — Part 5: Prebored pressuremeter test
dea: 2022-07-04

ISO/DIS 22477-2

Geotechnical investigation and testing — Testing of geotechnical structures — Part 2: Testing of piles: Static tension load testing
dea: 2022-07-05

**ISO/TC 204 SISTEME INTELIGENTE DE
TRANSPORT**

ISO/DIS 12813

Electronic fee collection — Compliance check communication for autonomous systems
dea: 2022-07-19

ISO/DIS 15638-23

Intelligent transport systems — Framework for collaborative telematics applications for regulated commercial freight vehicles (TARV) — Part 23: Tyre pressure monitoring (TPM)
dea: 2022-07-11

ISO/DIS 21177

Intelligent transport systems — ITS station security services for secure session establishment and authentication between trusted devices
dea: 2022-07-04

ISO/DIS 23375

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ISO/TC 238 BIOCMBUSTIBILI SOLIZI

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ISO/TC 270 MAȘINI PENTRU MATERIALE PLASTICE ȘI CAUCIUC

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Radio interference test on high-voltage insulators
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